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1. In this Academy training catalog

Purpose
Good training offers many benefits to your company. It enhances the skills of your employees and increases productivity, thus increasing return on investment. The Esko Academy offers a wide and diverse range of training sessions to achieve these goals. You can find an overview of all these trainings in this Academy training catalog.

Classroom training
Training programs organized in a certified Esko training center are typically general Esko software courses. Learn the ins and outs of the software without the interruptions of the day-to-day activities.

On-site training
Our on-site training focuses on the integration of Esko software in your workflow.

On-site startup services
After installation and basic product training, we offer on-site startup services to ensure a smooth implementation. These follow-up services assess whether the recently purchased software and hardware is used to the fullest extent of its capabilities.

Remote training
For small upgrades or product features that require a limited amount of assistance, we offer remote training. It allows you to plan the training when it is most convenient. It is financially attractive because there are no travel costs. In some instances for software upgrades, upgrade movies are available to provide the insight necessary for an operator to begin working with an upgraded application until any necessary training can be acquired.

Hardware training
To further familiarize your technicians with the Esko hardware, we provide a hardware training program. Better technical knowledge will maximize the uptime of the equipment. These sessions are organized in the production-site of the specific hardware.
2. General courses

Esko is the number one supplier of the packaging and commercial printing supply chain. Our view on its trends and requirements allows us to develop a broad range of market leading products. Hence, Esko’s solutions answer the needs of our customers in a wide variety of packaging industry processes.

2.1 Start-up assistance

**Goal**
The start-up assistance takes place after all courses have been given. The Esko engineer provides assistance to use the system in your production environment: start producing live jobs, further fine-tune the workflow setup based on the current production needs, and, if licenses are available, further automate the setup with automation tickets and hotfolders.

**Requirements**
Before attending this course, you should followed training on the active Esko Software Solution.

**Duration**
Per day

**Learning targets**
After completion of the **Start-up assistance** course, the trainees will know how to start working with the Esko products

**Lessons Overview**
- Building and using the different workflows needed in your production environment
- Defining the needed changes and knowledge
- Fine-tuning and evaluating the workflow
- Coaching and reviewing the operators’ knowledge (Q&A)

2.2 Customization

**Goal**
Esko’s solutions answer the needs of our customers in a wide variety of packaging industry processes. This also includes the integration of new solutions in your whole process.

**Duration**
Per day
Learning targets
This service provides you the needed customized program elements for your system such as DTLs, special marks, fully customized tickets, etc.

Lessons Overview
• Discussing and evaluating the needs with pre-press operator or manager
• Creating the elements in our Esko offices
• Transferring and installing the results into your workflow (remotely)

2.3 Additional services

Target audience
Esko customers

Duration
Per day

Learning targets
Esko offers a wide range of additional services including:
• Creation services (SmartMarks, ReportMaker templates)
• Productivity guidance
• Color calibration

2.4 Follow-up

Goal
Some time ago you started using the Esko solution and discovered the power of the system. Now it is time to have an Esko engineer on site to provide further assistance for more in-depth fine-tuning of the system in your production environment.

Requirements
Before attending this course, you should have followed a training on the active Esko Software Solution.

Duration
Per day

Learning targets
After completion of the Follow-up course, the trainees can:
• Improve the production of live jobs
• Further automate the set up with automation tickets and hot folders if applicable
A new kind of job input may ask for new and better ways to handle your jobs. Here too our engineers can contribute to finding and defining the best practice.

**Lessons Overview**

- Understanding the system concept more in depth
- Structural solutions
- Further fine-tuning and evaluating the workflow
- Problem solving
- Coaching and reviewing the operators’ knowledge (Q&A)

### 2.5 Upgrade

We offer upgrade trainings for all our software products.

**Goal**

This training provides trainees who have taken a training on a previous version of one of our software products, the opportunity to understand the changes and improvements made in the newest version. It will help you to successfully make the transition from the previous to the updated version.

**Requirements**

Before attending this course, you should have knowledge of a previous version of the software.

**Duration**

Per day

**Learning targets**

After completion of the Upgrade course, the trainees can:

- Explain the changes and new features of the upgraded software
- Implement the new features of the upgraded software

**Lessons Overview**
• Introduction
• What is new?
• Hands-on exercises
ArtiosCAD is the world’s most popular structural packaging design editor.

**Unrivaled in Structural Design**
With dedicated tools specifically designed for packaging professionals for structural design, product development, virtual prototyping and manufacturing, ArtiosCAD increases productivity throughout your company.
ArtiosCAD is the ideal product for all corrugated, folding carton and POP, POS, FSDU display designers.

**Design productivity**
Intelligent drafting tools with interactive display elements increase packaging designer productivity.

**Rebuildable designs**
Smart standards save design time and reduce errors. Intelligent, resizeable design libraries of the US, ECMA, FEFCO and display standards make design decisions for you. A powerful rebuild design feature allows designs to be parametrically rebuilt with new geometric values.

**Reduce production costs**
Structural design and graphic design integration with productions files eliminate costly mistakes down stream in the workflow.

### 3.1 ArtiosCAD Basics: 2D Design

**Duration**
3 days

**Goal**
In this course, structural designers learn to master the key functionalities of ArtiosCAD Basics.

**Learning targets**
After completion of the ArtiosCAD Basics course, the trainees can:
• Complete a structural design (for packaging / sign & display)
• Generate different output and export types based on the design
• Customize the ArtiosCAD defaults (basics)
• Manage the ArtiosCAD DataCenter (basics)

Requirements
Before attending this course, you should have the following knowledge:
• Microsoft Windows
• Structural design

Supplied Materials
• Training Guide
• Training files

Lessons Overview
• Structural Design
  • Working environment
  • Builder
  • Geometry Macros and rebuild
  • Views and selections
  • Geometry
  • Construction lines
  • Annotations and layers
  • Edit tools
  • Adjust tools
• Outputs
• Exports
• Basic customization
• DataCenter

3.2 ArtiosCAD Advanced: Customization and Specialized Modules

Duration
3 days

Goal
In this course, structural designers learn to master advanced functionalities of ArtiosCAD.

Learning targets
After completion of the ArtiosCAD Advanced course, the trainees can:
• Modify user defined defaults
• Customize the ArtiosCAD defaults (advanced)
• Manage the ArtiosCAD DataCenter (advanced)
• Create custom reports
• Use ArtMaker for managing graphics added to the design
• Perform basic 3D tasks
• Use advanced layout functions

Requirements
Before attending this course, you should have followed the ArtiosCAD Basics course.

Lessons Overview
• Defaults
• Customization
• DataCenter
• ReportMaker
• ArtMaker
• Normalized PDF demo
• Basics of 3D
• Manufacturing
• Specialist features at a glance

3.3 ArtiosCAD Specialist: 3D

This training will review the basics of ArtiosCAD 3D with an emphasis on the enhancements that have been made to this module. It will also take an in-depth look at the 3D special layer functionality and the manipulation of ArtiosCAD solids and other solid formats in 3D. Learn how to use a solid model to create fitments and inserts which will be used in the packaging of the product. Learn how to define a bounding box that will be used to run a precisely sized standard design carton that can contain the product and all of the inserts. Create and save all fitments, inserts and the carton design itself as flat unfolded designs that will be used in the production of the product’s packaging. And, as the situation may warrant, learn how to make changes and adjustments to the “parts” and then update the associated 3D images. Finally, use all parts to create a prototype presentation that can be exported to other file formats with or without animation. The trainees are encouraged to bring examples of their prospective projects for discussion.

Duration
2 days

Goal
In this course, structural designers learn to master the key functionalities of 3D Designer.

Learning targets
After completion of the ArtiosCAD Specialist: 3D Designer course, the trainees can:
• Create 3D files with differing surface texture and graphics
• Create multi piece 3D files
• Create 3D solid designs from within ArtiosCAD
• Use imported 3D modeling files within ArtiosCAD 3D
• Create 3D cross sectioned fitments
• Run parametric design sized to fit a 3D design
• Output 3D files to differing file types
• Export assembly instructions
• Create 3D animations and output in differing formats

Requirements
Before attending this course, you should have followed the ArtiosCAD Basics and Advanced courses.

Lessons Overview

• Folding ArtiosCAD design in 3D (open single design convert to 3d fold and fold all)
• Adding graphics to flat design (add graphics, crop graphics, color panels, add strokes etc)
• Duplicating 3D designs
• Adding multiple 3D designs to a single 3D (import files & duplicate designs)
• Moving and positioning 3D designs (build multi piece designs, accurately positioning multiple pieces)
• Creating simple 3D solid design ( simple shape evolving using cross section layer and label graphics)
• Importing IGES solid modeling file into ArtiosCAD 3D (.iges test file)
• Using 3D cross section tool to create fitment across a solid 3D model (using previously imported .iges file)
• Wrapping ArtiosCAD parametric design around 3D items (using previously created cross section fitment and solid)
• Outputting a 3D file to differing file types including to PDF U3D (output single items through u3d report)
• Export assembly instructions
• Creating animation and outputting to differing file types (create simple animation output as VRML or AVI)
3.4 ArtiosCAD Manufacturing for DieMakers

Duration
3 days

Goal
In this course, diemakers learn to master the key functionalities of ArtiosCAD Manufacturing.

Learning targets
After completion of the ArtiosCAD Manufacturing for DieMakers course, the trainees can:

- Use basic tools for cleaning up One Up Files
- Design dieboard and stripper tools, counter and rubber
- Create coating/varnish blankets
- Output geometry to different machines (laser, waterjet and milling machines)
- Customize macros and defaults matching a diemaker’s manufacturing requirements

Requirements
Before attending this course, you should have followed the ArtiosCAD Basics and Advanced courses. Basic knowledge of Diemaking technology is beneficial.

Lessons Overview
- ArtiosCAD Design Tools (Bridge-, Nick-, Tack Bridge tools)
- Intelligent Counter
- ArtiosCAD manufacturing bridge/nick tools
- Dieboard tools
- Stripper tools
- Coating/varnish blankets
- ArtiosCAD DieMakerFixit
- Rule Path and Leader Holes tools (Rotary Diemaker)
- ArtiosCAD Rubber designer
- Production Parameter set
3.5 ArtiosCAD Specialist: Advanced StyleMaker

ArtiosCAD Advanced StyleMaker covers the use of variables to create parametric designs that can be turned into Library Standards and Geometry Macros.

Duration
3 days

Goal
In this course, structural designers learn to master the advanced functionalities of ArtiosCAD StyleMaker.

Learning targets
After completion of the ArtiosCAD Specialist: Advanced StyleMaker course, the trainees can:

- Add and use variables within a design
- Use Library Functions
- Add advanced functions to a parametric design
- Customize existing parametric standards
- Create and customize advanced macro placement
- Add new/edited parametric standards and macros to the design interface

Requirements
Before attending this course, you should have followed the ArtiosCAD Basics and Advanced courses.
Lessons Overview

- Using conditional statements
- Adding Variables
- Adding parametric designs to the style catalog
- Main parametric functions (step, style choice ...)
- Rebuilding playback
- Using variable geometry to create other variable geometry (length of line, distance between points)
- Converting non parametric designs to parametric designs
- Editing ArtiosCAD standards
- Build standards from existing Geometry macros
- Working with enable and disable parametric dependencies
- Free form editing of Log commands

3.6 ArtiosCAD Admin

Duration
2 days

Goal
In this course, structural designers learn to master the key functionalities of ArtiosCAD Admin.

Learning targets
After completion of the ArtiosCAD Admin course, the trainees can:

- Install and configure ArtiosCAD
- Set system defaults to match required criteria
- Customize the interface to streamline production tasks
- Create additional import/export filters
- Perform ArtiosCAD administrative task (backups, fault isolation, maintain centralized configurations)

Requirements
Before attending this course, you should have followed the ArtiosCAD Basics and Advanced courses.
Lessons Overview

- ArtiosCAD Defaults and Configurations
- Short briefing of ArtiosCAD install options
- Toolbars, Icons
- Adding designs to the standards catalog
- Creating outputs
- Tuning existing outputs
- Creating grouped and multiple outputs
- Adding Macros
- Advanced ReportMaker
- Design defaults, start-up defaults (e.g. customize Database Information dialog)
- Importing filters
- Parameter sets
- Template files
- Plotting styles
- Special line types + rule labels
- Database reports
- Creating Board tables
- Editing and managing DataCenter tables
- Portable Workstation environment
- Connect ArtiosCAD to WebCenter
- Esko Station Information Service
- ArtiosCAD Autoload function
4. ArtPro

ArtPro is the number one prepress editor for Mac. ArtPro is a full-featured packaging preproduction editor offering unique technologies and dedicated tools focused on your major pre-press pain points (e.g. CAD/graphics alignments, trapping, distortion, screening, barcodes, ...).

If you want to drastically reduce the cost of errors and increase the efficiency of your Mac-based preproduction department, ArtPro is the answer.

As it supports all industry standard file formats, ArtPro can be integrated in any packaging workflow but because of a seamless integration with ArtiosCAD and Automation Engine, ArtPro turns Software Suite 12 into a complete and unbeatable packaging solution.

4.1 ArtPro Basics

Duration
4 days

Target audience
In this course, pre-production editors learn to master the key functionalities of ArtPro Basics.

Learning Targets
After completion of the ArtPro Basics course, the trainees can:
- Explain basic ArtPro concepts and utilization
- Import and export Esko PostScript/PDF files
- Effectively use ArtPro tools for preflighting production files
- Effectively use edit tools for verification and correction of files

Requirements
The following basic knowledge is required to attend the ArtPro Basics course:
- Mac OS
- Graphical and prepress processes and workflows
• Standard graphical editors (Adobe Illustrator etc.)

Supplied Materials
• Training Guide
• Training files

Lessons Overview
• ArtPro introduction and overview
• Opening and inserting ArtPro files
• Importing and vectorizing files
• Selecting
• Viewing
• Working with color separations
• Working with paint styles
• Drawing objects
• Working with objects
• Editing paths
• Working with layers and templates
• Ruler and magnetism
• Transforming and aligning paths
• Special paint styles
• Set functions
• Working with text
• Importing Postscript/PDF
• Working with images
• Working with blend modes
• Defining job sizes
• Creating a barcode
• Interactive trapping
• Outputting Postscript/PDF
• Using parameters
• Preferences and color information
• Warping
• Recap exercise

4.2 ArtPro PowerTrapper
Duration
1 day

Goal
In this course, pre-production editors learn to master the key functionalities of ArtPro PowerTrapper.

Learning targets
After completion of the ArtPro PowerTrapper course, the trainees can:
• List the functions of the PowerTrapper
• Use the PowerTrapper as part of the Workflow
• Predefine options
• Evaluate the results

Requirements
Before attending this course, you should have followed the ArtPro Basics course.

Lessons Overview
• Applying default trapping
• Changing and removing traps from a selection
• Specifying trapping settings in the Color Matrix
• Changing trapping directions: exclude
• Changing trapping directions: force
• Removing small gaps
• Changing the trap Intensity
• Working with rich black trapping
• Working with predefined trapping pairs
• Setting text in overprint versus knockout
• Vectorizing opacity masks
• Working with blended traps versus opaque traps
• Recap exercise

4.3 ArtPro PowerWarp

PowerWarp is an optional ArtPro module that allows distortion of (a part of) a graphic design to compensate for the deformation the printed product will undergo when it adopts its final 3-dimensional shape. The distortions applied to the design are based upon grids or reference lines which are created within the same module and are dependent on the type of warping necessary, for example: cups, cans, shrink sleeves… PowerWarp grids can equally be rendered into 3D animations to evaluate the distortion before real print.

Duration
1 day

Goal
In this course, pre-production editors learn to master the key functionalities of ArtPro PowerWarp.

Learning targets
After completion of the ArtPro PowerWarp course, the trainees can:
• Create and alter grids for a specific production process
• Warp an existing design into the grid
• Create a 3D-preview of the job

Requirements
Before attending this course, you should have followed the ArtPro Basics course.

Lessons Overview
• General settings of PowerWarp
• Grid types
• Measurements
• Creating, altering, saving and restoring grids
• Warping options
• Creating a 3D-view

4.4 ArtPro PowerLayout

PowerLayout includes step & repeat solutions for many label and packaging applications. One repeat file supports multiple file formats. PowerLayout includes generic repeats with vertical and horizontal stepping, staggered steps, seamless repeat calculations, single separation stepping for digital flexo plate preparation and grid repetitions for handling many different graphic files of the same size like playing cards. ArtPro can be configured with PowerLayout as a module or PowerLayout can also be provided as a standalone application.

**Duration**
2 days

**Goal**
In this course, pre-production editors learn to master the key functionalities of **ArtPro PowerLayout**.

**Learning targets**
After completion of the **ArtPro PowerLayout** course, the trainees can:
• Prepare single files for S&R
• S&R single files with:
  • S&R Tabular
  • S&R Interactive
  • S&R Seamless
  • S&R Grid
• Define proper page boxes to a S&R
• Alter existing S&R
• Export S&R to PDF or PS in the best way
• Define marks and apply object based screening
Requirements
Before attending this course, you should have followed the ArtPro Basics course.

Lessons Overview

- Preparing single files
- Using S&R Tabular
- Using S&R Interactive
- Using S&R Seamless
- Using S&R Grid
- Applying page boxes to the S&R
- Applying marks and screening
- Altering existing S&Rs
- Exporting S&R for output
- Exercises with training and customer’s jobs

4.5 ArtPro PowerStepper

PowerStepper is an optional module running on PowerLayout that can be used as a module inside ArtPro, or the combination of PowerLayout and PowerStepper as a standalone application. It generates packaging repeats based on DDES-, CFF2- or VLM-files retrieved from the CAD system. Different single files may be combined on one repeat, each single file can potentially define its own station number positioning and bleed handling.

Duration
2 days
Goal
In this course, pre-production editors learn to master the key functionalities of ArtPro PowerStepper.

Learning targets
After completion of the ArtPro PowerStepper course, the trainees can:

- Prepare single files for the use with PowerStepper
- S&R PDF- and ArtPro single files based on CAD
- Apply bleed to the S&R
- Apply station numbers to the S&R
- Apply screening to the marks or the whole S&R
- Export the S&R in the best way
- Define page boxes and apply marks

Requirements
Before attending this course, you should have followed the ArtPro Basics course.

Lessons Overview
4.6 ArtPro PowerOptimizer

PowerOptimizer is an optional module running on PowerLayout that can be used as a module inside ArtPro, or the combination of PowerLayout and PowerOptimizer as a standalone application. It calculates the most economic label imposition based on a set of rules and specifications from the user such as paper and plate size, amount of labels...

**Duration**
1 day

**Goal**
In this course, pre-production editors learn to master the key functionalities of ArtPro PowerOptimizer.

**Learning targets**
After completion of the ArtPro PowerOptimizer course, the trainees can:
- Prepare a single file for use with PowerOptimizer
- Create optimized S&R using Automatic S&R

**Requirements**
Before attending this course, you should have followed the ArtPro Basics course.

**Lessons Overview**
- Preparing single files for PowerOptimizer
- Defining settings and file lists in Automatic S&R
- Exercises with training and customer’s jobs
PA:CT stands for Packaging: Certified Technology. PA:CT is a solution to integrate the industry standard Certified PDF technology of Enfocus software in the packaging world. PA:CT is an additional layer on top of all our applications: ArtPro, Nexus and Odystar. It offers complete traceability (straightforward information about a file and its history) for the brand owner, the design agency, the pre-press company and the printer.

**Duration**
1 day

**Goal**
In this course, preproduction editors learn to master the key functionalities of **ArtPro PA:CT**.

**Learning targets**
After completion of the **ArtPro PA:CT** course, the trainees can:
- Create profiles to preflight their files
- Import and export certified PDFs
- Check the certified status

**Requirements**
Before attending this course, you should have followed the **ArtPro Basics, Nexus Basics or Odystar Basics** course.

**Lessons Overview**
- Creating profiles
- Preflighting files
- Importing and exporting certified PDFs
- Checking and controlling the certified status (history, session information and the preflight result) of a file
5. Automation Engine

Automation Engine sets a new standard for prepress workflow automation. It is a new modular workflow server with dynamic workflows that are easy to set up and operate. Automation Engine ensures increased efficiency and throughput and saves time and money. It is, by all standards, an exceptional answer to the daily challenges of print professionals who need to increase quality, reduce errors and drive cost out of the process.

5.1 Automation Engine Basics

**Duration**
3 days

**Goal**
In this course, workflow administrators learn to master the key functionalities of *Automation Engine Basics*.

**Learning targets**
After completion of the *Automation Engine Basics* course, the trainees can:

- Explain the basic Automation Engine concepts.
- Explain the *Pilot* and *Shuttle* Interface.
- Build workflows, use parameters, and use them to process jobs.
- Set up an access point and use it.
- Work with favorite tickets.
- Explain the principle of *SmartNames*.
- Use *SmartNames* in workflows and at *Job* creation.
- Understand the principle of *ArtPro Actions Lists* and make some.
- Run scripts.

**Requirements**
Before attending this course, you should have the following knowledge:

- Working in Windows/Mac environments
- Graphical and prepress processes and workflows
Supplied Materials

- Training Guide
- Training files

Lessons Overview

- Introduction to Automation Engine and an overview of the lessons to come
- About the Automation Engine Pilot
- Understanding the client-server architecture
- About Containers
- Key Automation Engine concepts:
  - Jobs
  - Tasks
  - Tickets
  - Views
  - Working with job templates and milestones
  - Working with Products
  - Working with Workflow Tickets
  - Working with Access Points
  - Working with SmartNames
  - Workflow Parameters, Public Parameters, Job Parameters
  - ArtPro Action List
  - Scripting

5.2 Automation Engine Advanced Automation

Advanced Automation is one of the classic power features in Automation Engine.

Duration
2 days

Goal
In this course, workflow administrators learn to master the key functionalities of Automation Engine Advanced Automation.
Learning targets
After completion of the Automation Engine Advanced Automation course, the trainees can:

- Name the possibilities of the Automation Engine workflow tools
- Set up notification channels
- Better integrate Automation Engine in the overall workflow

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Basic knowledge of packaging workflow

Lessons Overview

- Task Notifications: Email/XML/txt; Conditional, notifications, Smart Templates; Email attachments
- Job Milestones: seeing and managing a Job’s status; using it for filtering
- CheckPoint task: inserting a workflow stop in a workflow task, requesting for a user intervention
- To-Do list: seeing and managing your workflow checkpoints or any general messages, forwarding to other operators, continuing or aborting workflows etc.
- Integrate via external Hot folder task: enables a basic integration with any hot folder-based application. Depending on where that application outputs the file, Automation Engine will assume a status (OK, warning, error)
- Job management tasks: Automation Engine Jobs represent production orders; these are temporary. These tasks offer to remove the Job from the Automation Engine Job database (instead of manual)
- Export / Zip Job task, relocate Job task
- The Archive database is not included here; see separate module ‘Automation Engine Archive’
- Image to device task: for live communication from your CDI, enabling to monitor (and cancel) the state of the RIP data on your CDI. This requires on the CDI the Digital Flexo Suite v7 or higher.

5.3 Automation Engine Job Management Module

A Job contains all the files and information relative to a customer job you process in Automation Engine. It has a blue icon and is stored in the Automation Engine Job Database. The database can hold up to 100,000 jobs.

Duration
1 day
Goal
In this course, workflow administrators learn to master the key functionalities of the Automation Engine Jobs Module.

Learning target
After completion of the Automation Jobs Module course, the trainees can create jobs in Automation Engine manually and via a template.

Requirements
Before attending this course, you should have followed the Automation Engine Basics course.

Lessons Overview
1. Jobs
   - Creating a job manually
   - Last Used Job Mode
   - Job Metadata
   - Job based SmartNames
   - Job Automation
2. Jobs View
   - Menus
   - Tool bar
   - Job details (cmd + I)
3. Creating a Job
   - Manually
   - Template
   - Copying data from existing job
4. Job Setup
   - Job tab
   - Customer tab
   - Inks tab
   - Parameters
5. Milestones
   - Milestones Views (in a job and job overview)
   - Creating milestones
   - Adding actions to milestones
   - Using milestones to filter jobs
   - Automating creation and confirmation of milestone

5.4 Automation Engine Layout Module
Performing Step & Repeat (S&R) in the background saves operator time and reduces errors. Whether your workflow is Labels or Folding carton or Flexible packaging, Sheet-fed or Web-fed, Automation Engine has Step & Repeat modules fitting all workflows. Automation Engine offers three Step & Repeat tasks that each serve a different mode of making a Step & Repeat layout: the Template based Step & Repeat task bases its layout on a previously made layout; the Tabular Step & Repeat task bases its layout on parameters specified in the S&R ticket; the CAD based Step & Repeat task uses a layout CAD file as the task’s input file.

Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of Automation Engine Step & Repeat.

Learning targets
After completion of the Automation Engine Step & Repeat course, the trainees can Automate the step & repeat process using a Automation Engine task.

Requirements
Before attending this course, you should have followed the Automation Engine Basics course.

Lessons Overview

1. Template based Step & Repeat
   - Creating the link to templates from Plato or CAD based applications (MFG, CFF2…)
   - Linking with graphics
   - SmartMarks

2. Tabular Step & Repeat
   - Using “Plato-formulas”
   - SmartNames in Automation Engine
     - SmartMarks

3. CAD based Step & Repeat
   - Linking CAD files to graphics
   - SmartMarks
   - Gang Run Printing [iCut]
     - Build different substrate queues with different sheet sizes
• Prepare graphics for nesting
• Submit prepared graphics to the different substrate queues
• Export combined graphics to print/cut file

5.5 Automation Engine Viewing & QA Module

This module is an amazing QA tool. This view and compare tool is launched from an Automation Engine Pilot on Mac or Windows. It has elaborate viewing modes and detailed inspection tools. Its benefits are error reduction in all forms or production, faster job throughput and use by CSRs.

**Duration**
4 hours

**Goal**
In this course, plate makers learn to master the key functionalities of Automation Engine Viewer.

**Learning targets**
After completion of the Automation Engine Viewer course, the trainees can:
• Decide how and what to view, inspect and measure
• Compare different files
• Use the Prepare for Automation Engine Viewer task
• Perform automatic creation and update of View Data

**Requirements**
Before attending this course, you should have the following knowledge:
• Basic knowledge of Windows
• Basic knowledge of packaging workflow
• Good knowledge of Automation Engine
Lessons Overview

1. Viewing, Inspecting and Measuring:
   - Unlimited zoom
   - Detailed measuring
   - Extensive separation view
2. Supported file types:
   - Graphics
   - Images: all standard types (but no RGB): TIF, EPS, PSD, Esko legacy CT RIP output (digital film, supported compressions: CCIT, LZW, packbits)
3. Comparing these files:
   - Seeing/Finding differences in many modes
   - Using channel matching tools to 'match' files which have different separations
   - Using align tools when the files have different V-H size
   - Using the Blinking mode
4. The Prepare for Automation Engine Viewer task
5. Automatic creation and update of View Data
6. Quality Control use cases

5.6 Automation Engine Reporting & 3D module

All prepress operators make file reports manually. Sometimes it just means adding some extra text outside the bounding box, but most of the times it is a more elaborate combination of ink
descriptions and various administrative info. The ReportMaker task creates such a graphical file report automatically. These 'reports', 'print cards' or 'proof legends' not only take up much time but also make operators enter data that is probably already present in another computer. Time loss, double entries, typos, outdated data: Automation Engine takes care of those. These reports are made with just one click and can be proofed or delivered as PDF in any shape or format, and used for approval.

**Duration**
1 day

**Goal**
In this course, workflow administrators and pre-production editors learn to master the key functionalities of Automation Engine ReportMaker.

**Learning targets**
After completion of the Automation Engine ReportMaker course, the trainees can:

- Create a ReportMaker template in PackEdge
- Implement a workflow

**Requirements**
Before attending this course, you should have followed the Automation Engine Basics course.

**Lessons Overview**
- Creating the templates needed in PackEdge (SmartMarks, SmartNames, TaskInputFile, SmartName, Viewports)
- Using the Reportmaker Task

### 5.7 Automation Engine DesignWizard (Deprecated)

Automation Engine DesignWizard is one of the optional modules in Automation Engine; it focuses on the automated creation of graphic variations (multilingual packaging, brand variations, price tags,
Automation Engine just needs two things to create variants of designs: the template design (master file) and the (XML) description of what to create or change. Having that, the DesignWizard task can create dozens of graphic designs in just seconds. The benefits are error free and fast creation of variations. Avoiding re-entering data means speeding up the process but far more important is the virtual elimination of wrong content in a design, in a text, in a bar code, in an ingredient copy...

**Duration**
2 days

**Goal**
In this course, workflow administrators learn to master the key functionalities of Automation Engine DesignWizard

**Learning targets**
After completion of the Automation Engine DesignWizard course, the trainees can:

- Explain the DesignWizard concept
- Load data in an Automation Engine Job
- Create a Smart graphic template in PackEdge
- Implement in a workflow

**Requirements**
Before attending this course, you should have followed the Automation Engine Basics and PackEdge Basics training.

**Lessons Overview**
- Introduction to the DesignWizard concept
- Job Parameters (JDF SmartNames, XML)
• Preparing a smart graphics template (SmartMarks, SmartNames)
• Using the DesignWizard task
• Using the DesignWizard interactive functions

5.8 Automation Engine Color Module

Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of Automation Engine InkWizard.

Learning targets
After completion of the Automation Engine Color Module course, the trainees can:

• List the required prerequisite components for implementation of successful Color Management
• Explain the basics of Color Management
• Converting to another CMYK Profile
• Reseparating your CMYK File
• Converting and reseparating your File
• New Suite 14 Color tasks: connect colors with Equinox & Manage Color

Requirements
Before attending this course, you should have followed the Automation Engine Basics course.

5.9 Automation Engine Processor Module

Duration
4 hours

Goal
In this course, workflow administrators learn to master the key functionalities of the Automation Engine Processor Module.
Learning targets
After completion of the Automation Engine Processor Module course, the trainees can:

• Create Pitstop Profiles/Actionlists and apply these inside a preflight workflow.

• Edit pageboxes, layers & separations inside a PDF file.

• Split multipage PDF files into one-up files and merge later on.

• Compare PDF.

• Use the Runlist Task for CP customers (imposition).

Requirements
Before attending this course, you should have followed the Automation Engine Basics course.

5.10 Automation Engine Connect Module

Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of the Automation Engine Connect Module.

Learning targets
After completion of the Automation Engine Connect Module course, the trainees can automate their job creation and Map Data throughout a workflow.

Training on the other Connect tasks will depend on the customized implementation and hold down these tasks:

• Interact with database

• Interact with Web Service

• Integrate with WebCenter

Requirements
Before attending this course, you should have followed the Automation Engine Basics course.
6. Color Engine

Color Engine: for all color critical printing.

The **Color Engine** enables color management across the packaging and print supply chain. At the heart of the Color Engine is a central color database for all color critical data.

Color consistency is critical in brand recognition. Defining accurate brand and spot color standards is the first step in maintaining consistency. The next step is using these color standards in all packaging design and production applications.

6.1 Color Engine Basics

Color Engine allows you to manage your color challenges, from prepress to press.

**Duration**
1 day

**Goal**
In this course, color technicians and color managers learn how to setup and manage their prepress color management

**Learning targets**
After completion of the **Color Engine Basics** course, the trainees can:
- Setup a central color database
- Create color profiles for press and proof
- Work with ICC profiles in Esko software
- Setup basic color conversions
- Create and manage spot colors

**Requirements**
Before attending this course, you should have the following knowledge:
- Microsoft Windows
- Color theory (deltaE, Lab, light source, …)
Lessons Overview

- Setup a central color database
- Create Esko color profiles
  - Different charts
  - Measure and check
  - Difference between creation by measurement or by calculation
- ICC Profiles
  - Import ICC profiles
  - Convert Esko to ICC profiles
- Setup basic devicelink and color strategy (against standard, e.g. ISO)
  - Default devicelink settings
  - Default color strategy settings
- Basic spot color management
  - Default and custom Ink Books
  - Create spot color by Lab
  - Create spot color by single measurement
  - Create spot color by multi measurement
- Color Tools
  - Gamut view
6.2 Color Engine Advanced

Color Engine allows you to manage your color challenges, from prepress to press.

**Duration**
1 day

**Goal**
In this course, color technicians and color managers learn how to optimize their color management.

**Learning targets**
After completion of the Color Engine Advanced course, the trainees can:
- Adapt existing color profiles without remeasuring
- Setup advanced color conversions
- Profile and tweak spot colors
- Exchange color data
- Analyze color issues

**Requirements**
Before attending this course, you should have the following knowledge:
- Color Engine Basics
Lessons Overview

- Edit color profiles (e.g. change whitepoint)
- Devicelinks advanced
  - Use of all settings
  - Other devicelinks (e.g. Inkswitch)
- Color strategy advanced
  - Change process color calculation
  - Change spot color calculation
- Spot colors advanced
  - Ink profiling
  - Tweak spot colors
- Export and import
  - Esko profiles, devicelinks…
  - CGATS, CxF…
- Color Tools
  - Gamut check
  - Compare inks

6.3 Introduction to Color
There are a lot of variables that influence the perception and the reproduction of color. The color theory basics explain why and how to deal with it.

**Duration**
1 day

**Goal**
In this course, all people (managers, sales, prepress and press operators, …) involved in the graphical process learn the basic theory of color.

**Learning targets**
After completion of the Introduction to Color course, the trainees can:

- Understand that many variables influence what we see
- Create and analyze the correct viewing conditions to evaluate color
- Communicate about color in a scientific and objective way
- Explain why we need color management

**Lessons Overview**

- Human perception
  - Optical Illusions
  - Human eye
- Light
  - What?
  - Different light sources
  - Standard light sources
- Color spaces
6.4 Re-Proﬁling Services

Recreate your proofer proﬁles, to take your proofing to the next level.

**Duration**
0.5 day per proofer proﬁle

**Goal**
- Replace the Esko proofer proﬁles, which are created in Suite 7.x, 10.x and 12.x.
- Create and integrate the new Esko proofer proﬁles in the existing Esko Proof conﬁguration.
- Use the new ‘standardized proofing charts’ in Color Engine Pilot.

** Beneﬁts**
- Unlocking new functionality: Re-linearization
- Improved color accuracy
• Improved color stability

Requirements
• FlexProofE 14.0 or Pack Proof 14.1 or later
• Measurement device: X-Rite i1 Pro or i1 Pro2

Note: X-Rite iO table is highly recommended

• Proofer ink cartridges that are NOT expired

Steps
• Review current proofing setup
• Create new Esko proofer profiles
• Create new device links and color strategies
• Adapt existing proofing workflows and tickets in Automation Engine
• Test new proofing setup:
  • Workflow behavior
  • Proof quality
7. DeskPack

DeskPack turns Adobe® Illustrator® and Adobe® Photoshop® into full-fledged packaging applications.

**Adobe® Illustrator® packaging plugins get the job done**

DeskPack is a collection of packaging prepress plugins for Adobe® Illustrator® and Adobe® Photoshop®. With these plugins, Adobe® Illustrator® and Photoshop® become full-fledged packaging prepress applications.

Using Esko’s pre-production knowledge, you can now boost productivity and reduce errors while working in your favorite design application.

The DeskPack plugins fit any prepress environment. From importing structural design files (CAD data), over trapping production files, all the way up to creating repetitions of print-ready production files, DeskPack offers the best packaging solution to get the job done.

The majority of Adobe® Illustrator® packaging modules will improve your capabilities of designing the right packaging for your products, while others are specifically created to support Adobe® Photoshop®.

These prepress plugins will improve any packaging pre-press process by boosting the productivity of standard Adobe® Illustrator® & Photoshop® workstations. All of our Photoshop® & Illustrator® packaging prepress plugins are suited for both Mac and PC.

7.1 **DeskPack Prepress Essentials**

**Duration**

3 days

**Goal**

In this course, pre-press operators learn to master the key functionalities of DeskPack Prepress Essentials.

**Learning targets**

After completion of the DeskPack Prepress Essentials course, the trainees will:

- Understand the big picture of DeskPack:
• Explain the uses of **DeskPack** as a cohesive tool to enhance **Illustrator®** for print
• Manage **Esko XMP** metadata
• Navigate and manage file elements:
  • Use productivity enhancement tools
  • Navigate with ease through file elements
  • Utilize communication from **DeskPack** tools to assess the tasks needed to prepare a file
  • Manage the ink-based composition and properties of both vector and raster based artwork
• Create and optimize art elements for print:
  • Build barcodes dynamically
  • Create and modify trapping elements efficiently
  • Simulate press-based results
  • Highlight potential print errors

**Requirements**
Before attending this course, you should have the following knowledge:
• Basic understanding of a Prepress workflow
• Working knowledge of Adobe® Illustrator®

**Lessons Overview**
This section contains a brief description of each topic to be covered:
• **Overview of DeskPack** Tools:
  • Orientation to the your new tools
  • What is a Normalized PDF and **Esko XMP**?
    • Setting basic XMP information using the **Data Exchange** tools
    • Saving a Normalized PDF and opening it in Illustrator® using **PDF Import**
• **Navigation through file elements:**
  • Comparing **BoostX** enhancements to the Illustrator® selection tools
  • Searching and navigating through files using criteria:
    • Filtering with **BoostX Select by Attributes**
    • Checking with **Preflight**
    • Saving the results of your filter for navigation using **Collection**
  • Using **DeskPack** path management solutions with **Crosshair** and **Replace Contour**
  • Converting embedded images to linked images with **Image Extractor**
• Analysis of separations
  • Viewing file separations
    • Ink based reporting with the Ink Manager as opposed to using Illustrator® swatches
    • Designating object based screen definitions with the Screening tool
    • Previewing separations with the Viewer
  • Generating ink usage estimates with the Viewer
  • Converting and consolidating inks with the Ink Manager and Channel Mapping
  • Creating ink-based colors using Ink Mix
• Management of artwork for print
  • Creating Dynamic Barcodes
  • Building a White Underprint layer based on existing artwork
  • Trapping file elements interactively with Instant Trapper
  • Previewing plate and print results based on simplified press data in the Viewer

7.2 DeskPack Carton Solution

**Duration**
2 days

**Goal**
In this course, pre-production editors learn to master the key functionalities of DeskPack Carton Solution.

**Learning targets**
After completion of the DeskPack Carton Solution course, the trainees can:
  • Navigate the Plug-in menus and dialog windows, and use the online help
  • Preflight a file with Preflight for Illustrator Parameter Sets
  • Define ink types, rulings, angles, and dot shapes with Ink Manager
  • Use dedicated tools for accelerated selection and alignment operations
  • Handle spot colors and special inks with ‘Ink Mix’
  • Use Studio Designer to place and position your ArtiosCAD structure within Adobe Illustrator
  • Generate standard, dynamic bar codes with Dynamic Barcodes
• Convert embedded images into externally linked images with Image Extractor
• Remap channels of embedded or linked images into any used ink with Channel Mapping
• Use Viewer for Illustrator to accurately simulate printed results
• Use PowerTrapper to create and modify trapping layers
• Use Launch workflow to import files into the Esko workflow
• Create and modify Trapping tickets

Requirements
Before attending this course, you should have the following basic knowledge:
• Prepress processes and workflows
• Adobe Illustrator CS4 or higher

Lessons Overview
A basic overview of the following modules:
• DeskPack PowerTrapper
• DeskPackViewer for Illustrator
• Image Extractor for Illustrator
• BoostX
• Preflight for Illustrator
• Dynamic Barcodes
• Studio Designer
• Channel Mapping for Illustrator

7.3 DeskPack Label Solution

Duration
2 days

Goal
In this course, pre-production editors learn to master the key functionalities of DeskPack Label Solution.

Learning targets
After completion of the DeskPack Label Solution course, the trainees can:
• Navigate the Plug-in menus and dialog windows, and use the online help
• Preflight a file with Preflight for Illustrator Parameter Sets
• Define ink types, rulings, angles, and dot shapes with Ink Manager
• Use dedicated tools for accelerated selection and alignment operations
• Handle spot colors and special inks with ‘Ink Mix’
• Generate standard, dynamic bar codes with Dynamic Barcodes
• Convert embedded images into externally linked images with Image Extractor
• Remap channels of embedded or linked images into any used ink with Channel Mapping
• Create Illustrator files with multiple rulings, angles, and screenings in a single separation with Screening for Illustrator
• Create print-ready layouts with PowerLayout
• Use Viewer for Illustrator to accurately simulate printed results
• Use PowerTrapper to create and modify trapping layers
• Use Launch workflow to import files into the Esko workflow
• Create and modify Trapping tickets

Requirements
Before attending this course, you should have the following basic knowledge:
• Prepress processes and workflows
• Adobe Illustrator CS4 or higher

Lessons Overview
A basic overview of the following modules:
• DeskPack PowerTrapper
• DeskPackViewer for Illustrator
• Image Extractor for Illustrator
• BoostX
• Preflight for Illustrator
• Dynamic Barcodes
• Screening for Illustrator
• PowerLayout for Illustrator
• Channel Mapping for Illustrator

7.4 DeskPack PowerTrapper

Professional quality trapping for Adobe® Illustrator®. DeskPack PowerTrapper is based on the Esko’s ColorStitch technology, considered one of the best in the industry. While DeskPack PowerTrapper is trapping a design in the background with blazing speed, Adobe® Illustrator® is immediately available to start preparing the next job.

Duration
1 day
Goal
In this course, pre-production editors learn to master the key functionalities of DeskPack PowerTrapper.

Learning targets
After completion of the DeskPack PowerTrapper course, the trainees can:

• Explain the features of DeskPack PowerTrapper
• Apply changes

Requirements
Before attending this course, you should have the following basic knowledge:

• Mac OS
• Adobe Illustrator
• Automation Engine Pilot
• Automation Engine ticket creation

Lessons Overview

• Why is trapping necessary and how is it applied using DeskPack PowerTrapper
• Types of trapping, Normal, Pull-Back & Reverse
• Performing trap and explaining inks menu and trapping ticket, technical and varnish inks ignored
• Explaining DeskPack server concept when closing a file to be sent to Automation Engine
• Opening trapped file from the Tasks Palette menu and explain tasks concept
• Showing the created DeskPack PowerTrapper layer
• Explaining color pairs menu, lighter colors trapped into darker colors, icons showing images, gradients and empty backgrounds
• Explaining trapping distance and the Truncate, End Caps and Corners options
• Using Show Colour Edges to identify traps, using trap select button in Illustrator menu to select a trap
• Editing the file using Invert Trap Direction and manually adjust the trap distance, then show the update feature
• Showing how the trap layer can be edited and extra trap layers created
• Showing how DeskPack PowerTrapper uses predefined tickets created in Automation Engine Pilot and utilized via the DeskPack PowerTrapper tool
• Creating and editing trapping tickets in Automation Engine Pilot (prepare Trap Pairs Ticket)
• Creating a new trapping ticket in Automation Engine Pilot for use in DeskPack PowerTrapper tool
• Explaining the trap ticket settings and how to make new rules and modify the general settings

7.5 PowerLayout for Illustrator

A complete label step & repeat solution inside Adobe® Illustrator® CS2 or higher. PowerLayout for Illustrator is a powerful tool for the creation of print-ready layouts. Step and Repeat templates can be saved and re-purposed for additional designs.

Duration
4 hours

Goal
In this course, pre-production editors learn to master the key functionalities of PowerLayout for Illustrator.

Learning targets
After completion of the PowerLayout for Illustrator course, the trainees can:
• Explain the features of PowerLayout for Illustrator
• Apply changes

Requirements
Before attending this course, you should have the following basic knowledge:
• Mac OS
• Adobe Illustrator

Lessons Overview
• Using crop marks or bounding box for 1-up label in Adobe Illustrator
• All individual 1-ups to be opened so they can be selected in the PowerLayout for Illustrator menu
• Inputting plate & sheet sizes, adjusting the sheet position on plate
• Gridding Settings, selecting artwork and size. Using Esko Trim Box and Borders tool
• Inputting step & repeat values with bleed and gaps
• Creating a second grid with a second artwork selection and positioning on sheet
• Showing effect of alternating the originals
• Adding and deleting grids
• File outputting options via launching PowerLayout for Illustrator
• Showing output tickets in Automation Engine Pilot

7.6 Screening for Illustrator

Screening for Illustrator is a plug-in that allows you to create Adobe Illustrator files with multiple rulings, angles and screenings in a single separation. The standard version of Adobe Illustrator is only capable of handling one set of screen parameters per ink/separation, Screening for Illustrator extends this functionality.

Duration
2 hours

Goal
In this course, pre-production editors learn to master the key functionalities of Screening for Illustrator.

Learning targets
After completion of the Screening for Illustrator course, the trainees can:
• Use InkManager
• Apply different screen angles, rulings and dot shapes

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Adobe Illustrator CS4 or higher
• Basic knowledge of prepress processes and workflows
Lessons Overview

- Knowledge of InkManager
- Screening for Illustrator-applying different screen angles, rulings and dot shapes in a single separation
- Knowing InkManager with multiple screen angles, rulings and dot shapes

7.7 DeskPack Viewer for Illustrator

DeskPack Viewer for Illustrator adds amazing features to Adobe® Illustrator® to visually preview your packaging design. DeskPack Viewer for Illustrator works with centrally stored Press Settings that define press specific characteristics. You have access to all predefined press settings during your visual inspection in the floating DeskPack Viewer for Illustrator palette.

Duration
2 hours

Goal
In this course, pre-production editors learn to master the key functionalities of DeskPack Viewer for Illustrator.

Learning targets
After completion of the DeskPack Viewer for Illustrator course, the trainees can:
- Create and view separations
- Create Press simulations
- View Print and Plate simulations

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Adobe Illustrator CS4 or higher
• Basic knowledge of prepress processes and workflows

Lessons Overview

• Generating DeskPack Viewer for Illustrator file and working around the DeskPack Viewer for Illustrator palette
• Creating Press Settings
• Viewing Flexo Print and Flexo Plate
• Viewing TAC Limit and Registration Errors

7.8 Studio

3D visualization of a package early in the design phase is a major advantage for design efficiency, testing and proofing. Studio takes away mind-boggling 2D to 3D translations and lets the creative professional work in a 3D environment. Based on the ArtiosCAD native file format, Studio maintains a live link between 3D design visualization and the unfolded 2D structure. Information such as fold angles, the relationships between flaps, etc. are taken from the ArtiosCAD.

Duration
Per day (remote: per hour)

Goal
In this course, pre-production editors learn to master the key functionalities of Studio.

Learning targets
After completion of the Studio course, the trainees can:
• Import ArtiosCAD files
• Work interactively with Studio and the 2D graphic file: zoom, rotate and 3D guide lines
• Distribute graphic objects to the corresponding panels of a box
• Use the align tool
• Make 3D PDF files according to production’s request

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of prepress processes and workflows
• Basic knowledge of Adobe Illustrator CS4 or higher

Lessons Overview

• Using 3D guides
• Automatically distributing graphic elements to corresponding panels
• Utilizing three dimensional viewing options

7.9 DeskPack Seamless Repeat for Illustrator

DeskPack Seamless Repeat for Illustrator creates seamless, continuous output by calculating the correct spacing to properly wrap the pattern around a particular cylinder. Wallpaper, plastic laminates, upholstery, imitation wood and vinyl flooring products are printed with gravure or flexo cylinders. Artwork for these products is typically repeated across and around the cylinder to create a continuous, seamless pattern.

Duration
2 hours

Goal
In this course, pre-production editors learn to master the key functionalities of DeskPack Seamless Repeat for Illustrator.
Learning targets
After completion of the DeskPack Seamless Repeat for Illustrator course, the trainees can:

• Create DeskPack Seamless Repeat for Illustrator files
• Modify DeskPack Seamless Repeat for Illustrator files

Requirements
Before attending this course, you should have the following knowledge:

• Basic knowledge and possession of Adobe Illustrator CS4 or higher
• Basic knowledge of prepress processes and workflows

Lessons Overview

• Explaining the DeskPack Seamless Repeat for Illustrator palette
• Creating DeskPack Seamless Repeat for Illustrator files
• Modifying DeskPack Seamless Repeat for Illustrator files

7.10 Image Extractor for Illustrator

Embedded images in Adobe® Illustrator® files cannot be edited. This makes last minute revisions impossible. Use Image Extractor for Illustrator to convert the embedded images to linked ones, allowing you to edit them.

Duration
2 hours

Goal
In this course, pre-production editors learn to master the key functionalities of Image Extractor for Illustrator.
Learning targets
After completion of the **Image Extractor for Illustrator** course, the trainees can export embedded images to editable external images.

Requirements
Before attending this course, you should have basic knowledge of Adobe Illustrator CS4 or higher.

Training lesson

![Export Image dialog box](image)

Exporting images to externally linked images

### 7.11 DeskPack BoostX

Improved editing tools on the desktop. BoostX is a collection of plug-ins for Adobe® Illustrator® to improve packaging design productivity. It is a portfolio of dedicated tools to accelerate frequently used selection and alignment operations, and to add new ways of handling spot colors and special inks.

**Duration**
4 hours

**Goal**
In this course, pre-production editors learn to master the key functionalities of **DeskPack BoostX**.

**Learning targets**
After completion of the **DeskPack BoostX** course, the trainees can:

- Explain the features of DeskPack BoostX
- Apply changes

**Requirements**
Before attending this course, you should have the following knowledge:

- Basic knowledge of Mac OS
- Basic knowledge of Adobe Illustrator
Lessons Overview

• Understanding the concept of DeskPack pre-press plug-ins & BoostX preferences in Adobe Illustrator

• Using the Area Select & Dust Select Tools with practical examples

• Selecting uncolored Art and Overprint Objects with the BoostX filters

• Using the Crosshair Tool to align artwork, deleting the Crosshair layer and changing the preferences, rotating Crosshair

• Using the Ink Mix palette to create base inks for repro, understanding the inks on press related to your job

• Using Ink Split and Ink Merge within the Ink Mix Palette, adding special inks

• Using Split/Join fill & Stroke with practical examples

• Using Replace Contour to combine objects using open and closed paths

• Using Gradient Tool to accurately position color blends in linear or radial gradients

7.12 Preflight for Illustrator

Preflighting files to prepare them for printing is a complex task. Even if a designer has extensive printing knowledge, it is difficult to know the printer’s job requirements. With Preflight for Illustrator, the creative professional can automatically and interactively preflight Adobe® Illustrator® design files before they are sent to the prepress house or printer.

Duration

2 hours

Goal

In this course, pre-production editors learn to master the key functionalities of Preflight for Illustrator.
Learning targets
After completion of the Preflight for Illustrator course, the trainees can:

• Explain the features of Preflight for Illustrator
• Apply changes

Requirements
Before attending this course, you should have the following knowledge:

• Basic knowledge of Mac OS
• Basic knowledge of Adobe Illustrator
• Basic understanding of pre-flight checking

Lessons Overview

• Theory of Preflight for Illustrator and pre-flight checking, creating new parameter sets to check jobs against
• Saving and sharing parameter sets
• Understanding and editing the settings within the parameter sets
• Validating and checking a job against a set of defined parameters
• Zooming to selection, automatically jumping to problems identified within the job
• Creating and interpreting batch report
• Collecting files, automatically gathering all job components into a single folder for transfer to a remote site or for archiving

7.13 Dynamic Barcodes

Generate barcodes automatically, with checks and balances to assure the correct code is printed accurately. Dynamic Barcodes allows the greatest design freedom along with assured printability.
Duration
2 hours

Goal
In this course, pre-production editors learn to master the key functionalities of Dynamic Barcodes.

Learning targets
After completion of the Dynamic Barcodes course, the trainees can:
• Generate and amend barcodes
• Place barcodes using BoostX Crosshair

Requirements
Before attending this course, you should have basic knowledge of Adobe Illustrator CS4 or higher.

Lessons Overview
• Generating standard barcodes
• Placement of barcodes using BoostX Crosshair
• Amending barcodes

7.14 DeskPack PDF

PDF is the most important file format of today’s prepress world. Being used at all steps, from image creation to output, it provides great improvement in technology but at the same time is not handled easily. Find out more about the capabilities of PDF in Esko software and see how it can help you in every-day-business.
Duration
Per day (remote: per hour)

Goal
In this course, pre-production editors learn to master the key functionalities of DeskPack PDF.

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows/Mac OS
- Basic knowledge of workflow concepts
- Basic knowledge of Adobe Acrobat

Lessons Overview

- General advantages of PDF in comparison to former PS solutions
- Explaining the PDF file format and its different stages
- Defining PDF standards and flavors for prepress production
- Using PDF Tools such as PitStop to apply global changes
- Using Certified PDF for more reliability throughout the whole process
- Specific options in preflight and automated adjustments in connection to the desired printing method (Offset)

7.15 DeskPack InstantPDF
Instant PDF makes producing press-ready PDFs easy for creative professionals, and guarantees standards-compliant quality through Certified PDF technology.

Duration
Per day (remote: per hour)

Goal
In this course, pre-production editors learn to master the key functionalities of DeskPack InstantPDF.

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows or Macintosh (depending on which system the application will be installed)
- Basic knowledge of graphical and prepress processes

Lessons Overview

- Creating and configuring an Instant PDF queue
- Enfocus Action List and PitStop Preflight Profile
- Third application handled by Instant PDF
- Sending files in PDF Queues from third applications
- Keeping PDF Queues up-to-date by means of a built-in synchronization feature in CertifiedPDF.net

7.16 Illustrator Basics
Adobe Illustrator grew to be the most important layout application in today’s packaging prepress industry. Combining various tools and techniques for press- and screen-designers, prepress operators and digital artists, it is not easy to determine which parts of the software are useful and which are risky when it comes to using it for prepress purposes. Learn more about the general possibilities of Illustrator and the enhancements done by Esko’s DeskPack plugins.

Duration
2 days

Goal
In this course, pre-production editors learn to master the key functionalities of Adobe Illustrator.

Learning targets
After completion of the Illustrator Basics course, the trainees can:

- Grasp the general approach of Adobe Illustrator
- Set up general and document-specific preferences
- Set up the Adobe Illustrator interface
- Define necessary document settings
- Define separations and basic color swatches
- Apply basic and enhanced paint styles
- Use alignment and measuring-tools
- Align and transform objects
- Define page boxes
- Analyze files on screen using layers and appearance
- Work with linked and embedded files
- Create, identify and alter effects
- Create, identify and alter graphic styles and brushes
- Create and alter text and fonts
- Identify insufficient object features
- Handle object structures (groups, compounds, ...)
- Identify and handle transparencies and flattening
- Identify and handle traced images and interactive paint
- Export PDF for different tasks

Requirements
Before attending this course, you should have the following basic knowledge:

- Windows/Mac OS
- Workflow concepts
Lessons Overview

• General preferences and interface functions
• Document based settings
• Separations and color swatches
• Identifying an unknown job's features and techniques
• Revising specific properties
• Working with objects
• Working with images
• Using transparencies
• Using filters and effects
• Working with text
• Prepress issues
• Exporting PDF

7.17 Dynamic Content for Adobe Illustrator

The Dynamic Content plug-in for Adobe® Illustrator® establishes dynamic links between the brand owners and their suppliers. XML is used to connect to the brand owner’s content management system. A single XML based text source can be shared among a range of designs. Multiple text sources -different languages for instance- can be linked to a single design.

Duration

1 day
Goal
In this course, pre-production editors learn to master the key functionalities of *Dynamic Content for Adobe Illustrator*.

Learning targets
After completion of the *Dynamic Content for Adobe Illustrator* course, the trainees can:

- List the basics of the main component of Dynamic Content: XML files
- Explain the Dynamic Content workflow
- Link the database with the design
- Navigate in the Dynamic content interface
- Use filters
- Make style changes in the dynamic objects
- Handle changes coming from the database

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of prepress processes and workflows
- Basic knowledge of Adobe Illustrator CS4 or higher

Lessons Overview
- Linking a single XML text element to multiple AI-textboxes
- Alert the user when the content has been updated
- Text overflow warning
- Functionality to filter the linked XML data
- Tools needed in your workflow

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**7.18 DeskPack Flexo Tools & Ink Tools for Photoshop**
Spot color ink retouching in Adobe® Photoshop® made easy. With Display Inks you can show your special ink separations in full color overprint. The InkSwitch filter can automatically calculate special ink separations to match the appearance of a CMYK target. FlexoTools resolve flexo specific printing issues, and allow Adobe® Photoshop® operators to visualize changes. Novice flexo operators will develop images ready for flexo printing, while experienced retouchers will appreciate how the flexo tools improve the quality and productivity of work.

**Duration**
1 day

**Goal**
In this course, pre-production editors learn to master the key functionalities of DeskPack Flexo Tools & Ink Tools for Photoshop.

**Learning targets**
After completion of the DeskPack Flexo Tools & Ink Tools for Photoshop course, the trainees can:

- Install and configure
- Create Press simulations
- Use FlexoTools proficiently
- Use InkTools proficiently

**Requirements**
Before attending this course, you should have the following knowledge:

- Basic knowledge of Adobe Photoshop CS4 or higher
- Basic knowledge of prepress processes and workflows

**Lessons Overview**

- Concept of Flexo and Ink Tools
- Installation and configuration
• Creating Press Settings
• Generating DeskPack Viewer for Illustrator for Flexo print and plate inspection
• FlexoClean palette - removal of scum dots
• FlexoFix palette
• InkSwitch and Display Inks palettes - switching/removing inks

7.19 Variable Data Printing

The Esko Variable Data Printing is part of Esko Software Suite 7, and is available as an Adobe® Illustrator® plug-in within Esko DeskPack, or as an extension of Esko PackEdge and Esko Plato. HP Indigo industrial presses will be able to take full advantage of Esko Variable Data Printing. Using XML and CSV (comma delimited data file) input, Esko’s SmartMarks technology ensures variable elements can easily be tagged and positioned within packaging and labels artwork in absolute and relative positions.

Duration
3 days

Goal
In this course, pre-production editors learn to master the key functionalities of Variable Data Printing.

Learning targets
After completion of the Variable Data Printing course, the trainees can:
• List the main components of Variable Data Printing: CSV and XML files, SmartMarks, SmartNames, database flow variations and terminology
• Set up and preview variable elements in your design
• Configure the step & repeat task in order to get the correct repetition and flow of the database
• Create tickets in Automation Engine for the expansion and ripping task
• Troubleshoot the Variable Data Printing workflow

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of prepress processes and workflows
• Basic knowledge of Adobe Illustrator CS4 or higher
Lessons Overview

- SmartNames and SmartMarks (DeskPack or PackEdge)
- Dynamic Barcodes (DeskPack or PackEdge)
- PowerLayout for Illustrator (including the dedicated VDP options in PowerLayout for Illustrator) (DeskPack or Plato)
- Automation Engine Pilot
- Creating/saving and using Automation Engine tasks for Rip, VDP expansion
- Creating/saving and using Automation Engine task chains
- Creating/saving and using Automation Engine Tabular step & repeat task

7.20 Entry Level Pre-Press Solution

Disclaimer
This is a limited time promotion currently only available in North America

Duration
3 days (PowerTrapper for Illustrator 0.5 day, PowerLayout for Illustrator 1 day, Automation Engine Base 1 day, Imaging Engine Essentials 0.5 day)

Goal
In this course, prepress operators learn to master the key functionalities of the Entry Level Pre-Press Solution.

Learning targets
After completion of the Entry Level Pre-Press Solution course, the trainees can:

(PowerTrapper Client)
- Create and modify trapping elements
(PowerLayout for Illustrator)
- Import & export files
- Add Step & Repeat, and Dynamic Marks to an imported PDF

(Automation Engine Pilot)
- Configure the Rip tickets (for the CTP device, e.g. resolution, file format settings...)
- Create linearization or compensation curves if needed
- Define **Public Parameters**
- Set up Trap tickets
- Use Standard SmartNames

(Automation Engine Shuttle)
- Launch the Rip flow
- Use Shuttle as a standalone solution (drag and drop) or from within the editor (DeskPack)
- Understand and use the prompt questions that were set up earlier (from within the Pilot – see above)
- Monitor the status, observe errors...

**Note:** With this bundle customers will not have a separation viewer solution. In case customers want a viewer, an interactive trapper, a preflight tool..., they will have to buy the DeskPack Essentials bundle (or Bitmap Viewer in case they want to QC their ripped-data).

**Requirements**
Before attending this course, you should have knowledge about:
- Windows/Mac environments
- Graphical and prepress processes and workflows
- Adobe Illustrator basics

**Supplied Materials**
Training files

**Lessons Overview**
**Strong Focus on**
- Data Exchange
- PowerTrapper Client

**Note:** Train how to launch the Trap-task from within the Illustrator application instead of using the trap-ticket on the Automation Engine Server using PDF input files!

- PowerLayout Standalone
- Dynamic Marks
- Automation Engine
  - Public tickets
  - Public parameters (Rip related)
  - SmartNames (Rip related)
- Shuttle Client
Introduction / demo

- PDF Import
- Rich Black
- White Underprint
- Curve Pilot

Not included (optional)

Automation Engine Job Management
The creation of several Dynamic Mark Sets
8. Digital Flexo Suite

Digital flexo Suite: significant cost savings through automation of flexo plate production.

**Esko plate making software**

The Digital Flexo Suite offers significant cost savings through the automation of the flexo plate production. It is a collection of Esko’s plate making software, designed especially for the needs of the packaging industry.

The Digital Flexo Suite adds a flow of information to plate making. Automatically, instantly and with computerized accuracy a job is sent to the imager; files are created for cutting and data files are made for mounting.

8.1 Digital Flexo Suite Basics

**Duration**

2 days

**Goal**

In this course, CDI Operators learn to master the key functionalities of Digital Flexo Suite Basics.

**Requirements**

Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Basic knowledge of graphics and prepress processes
Lessons Overview

- Plate optimization on a work station with the PlatePatcher
- Plate preparation with the Merger
- Checking the imaging data with the Viewer
- Network configuration
- Mounting the patches on a Mylar sheet
- Optimizing the workflow

8.2 Digital Flexo Suite Analogue Mounter

The Digital Flexo Suite delivers a unique information flow to plate making hardware. While a job is sent to the imager, concurrently, automatically, and instantly files are created for accurate cutting by the Esko Kongsberg table, and even data files can be sent to a digital or analogue mounter. Thus, with very little human intervention, a plate is prepared, ready for the press. The digital or analogue mounters are optional components of the Esko Digital Flexo Suite.

**Duration**
Per day

**Goal**
In this course, CDI Operators learn to master the key functionalities of Digital Flexo Suite Analogue Mounter.

**Requirements**
Before attending this course, you should have the following knowledge:
- Basic knowledge of Windows
- Basic knowledge of graphics and prepress processes
Lessons Overview

Digital Flexo Suite for Labels

- Plate preparation on a work station with the Merger
- Checking the imaging data with the Viewer
- Job control on a CDI with the Exposer
- Network configuration
- Cutting the processed plates on a Kongsberg table
- Optimizing the workflow

8.3 Digital Flexo Suite Digital Mounter

The Digital Flexo Suite delivers a unique information flow to plate making hardware. While a job is sent to the imager, concurrently, automatically, and instantly files are created for accurate cutting by the Esko Kongsberg table, and even data files can be sent to a digital or analogue mounter. Thus, with very little human intervention, a plate is prepared, ready for the press. The digital or analogue mounters are optional components of the Esko Digital Flexo Suite.

Duration
Per day

Goal
In this course, CDI Operators learn to master the key functionalities of Digital Flexo Suite Digital Mounter.

8.4 PlatePatcher
Digital Flexo Suite PlatePatcher is powerful software to reduce a full format job automatically into patches. The file output format is LEN. TIFF output and control files for mounting devices are optional.

**Duration**
1 day

**Goal**
In this course, CDI Operators learn to master the key functionalities of **PlatePatcher**.

**Learning targets**
After completion of the **PlatePatcher** course, the trainees can:

- Create patches from an image
- Group/ungroup patches
- Add register marks for mounting
- Label the patches with the job name

**Requirements**
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Basic knowledge of graphics and prepress processes

**Lessons Overview**

- Plate optimization on a work station with the PlatePatcher
- Network configuration
- Mounting the patches on a Mylar sheet
- Optimizing the workflow

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8.5 PlatePatcher Analogue Mounter
Digital Flexo Suite PlatePatcher is powerful software to reduce a full format job automatically into patches. The file output format is LEN. TIFF output and control files for mounting devices are optional.

**Duration**
Per day

**Goal**
In this course, CDI Operators learn to master the key functionalities of PlatePatcher Analogue Mounter.

**Requirements**
Before attending this course, you should have followed the PlatePatcher Basics course.

### 8.6 PlatePatcher Digital Mounter

Digital Flexo Suite PlatePatcher is powerful software to reduce a full format job automatically into patches. The file output format is LEN. TIFF output and control files for mounting devices are optional.

**Duration**
Per day

**Goal**
In this course, CDI Operators learn to master the key functionalities of PlatePatcher Digital Mounter.
9. FastImpose

FastImpose brings state of the art imposition.

**Imposition software**

FastImpose is the imposition module that is added to the Esko Automation Engine workflow automation server. FastImpose is much more than an interactive imposition application. It adds productivity tools to streamline the imposition process – typically the most manual part of a commercial printing workflow. It also includes quality control tools to reduce operator errors and catch mistakes before they make it to press.

Based on over seventeen years of imposition experience, FastImpose handles all imposition needs, from standard layout, to multi-web, (asymmetric) coming-and-going, multiple sections with different trim sizes on the same sheet – even foldouts (tri-folds and gate-folds). Whether you are a book, magazine, catalog, or commercial printer, whether you print sheetfed or webfed, FastImpose contains the tools to get the job done, efficiently and correctly the first time.

**ImposeProof**

ImposeProof produces a front to back dummy imposition proof for customer approval. ImposeProof takes the imposition document created by FastImpose and prepares it for output on virtually any duplex printer on the market, both color and black-and-white.

### 9.1 FastImpose Basics

FastImpose includes quality control tools to reduce operator errors and catch mistakes before they make it to press. FastImpose handles all imposition needs, from standard layout, to multi-web, (asymmetric) coming-and-going, multiple sections with different trim sizes on the same sheet, even foldouts (tri-folds and gate-folds). Whether you are a book, magazine, catalog, or commercial printer, whether you print sheetfed or webfed, FastImpose contains the tools to get the job done, efficiently and correctly the first time around.

**Duration**

2 days

**Goal**

In this course, operators learn to master the key functionalities of FastImpose Basics.
Learning targets
After completion of the FastImpose Basics course, the trainees can:

• Work with the FastImpose user interface and online help
• Create impositions with signatures
• Create and use custom Signature, Plate, Assembly, and Imposition templates

Requirements
Before attending this course, you should have the following basic knowledge:

• Windows
• Imposition concepts and terminology

Lessons Overview

• Introduction
• FastImpose program basics
• Building a template library
• Creating an imposition layout
• Filling an imposition layout
• Creating more complex impositions
• Output of an imposition
• Create an imposition using the Wizard
• Modify Page, Sheet, Signature, and Assembly properties

9.2 FastImpose for Odystal

FastImpose includes quality control tools to reduce operator errors and catch mistakes before they make it to press. FastImpose handles all imposition needs, from standard layout, to multi-web, (asymmetric) coming-and-going, multiple sections with different trim sizes on the same sheet, even foldouts (tri-folds and gate-folds). Whether you are a book, magazine, catalog, or commercial printer, whether you print sheetfed or webfed, FastImpose contains the tools to get the job done, efficiently and correctly the first time around.
Duration
2 days

Goal
In this course, Sheet Lay-out designers learn to master the key functionalities of FastImpose for Odystar.

Learning targets
After completion of the FastImpose for Odystar course, the trainees can:

• Navigate the FastImpose user interface and online help
• Explain the FastImpose concepts and structures
• Create an imposition using the Impose Wizard
• Modify Page, Sheet, Signature and Assembly properties
• Create an imposition with multiple signature templates
• Adjust page positions for proper image placement
• Explain the concept and usage of Blank Imposition
• Create and use custom Signature, Plate, Assembly and Imposition templates
• Output an imposition using Odystar

Requirements
Before attending this course, you should have the following knowledge:

• Basic experience with imposition and knowledge of basic imposition terminology
• Basic understanding of Mac OS and Windows
• Basic knowledge of commercial printing workflow

Lessons Overview
• Importance of working with Jobfolders
• Basic actions in FastImpose: menu, toolbars, view modes, bars, etc.
• Building Signature templates in FastImpose: defining rows, columns, sections, numbers, trim, etc.
• Building Assembly templates: defining binding and collating marks
• Building Plate templates: defining plate marks, plate sizes, paper position, gripper, etc.
• How to utilize the Imposition wizard
• Modifying Page, Signature, Plate and Binding Properties
• Automation through the Automation Engine Pilot Extras for Odystar/Automation Engine admin users
• Connection Odystar to Automation Engine (Normalize PDF) & Automation Engine to Odystar (JDF Layout)
• Making marks that can be used in FastImpose
• Imposing proofing
• Defining naming convention, location on server

9.3 FastImpose Server Components

FastImpose includes quality control tools to reduce operator errors and catch mistakes before they make it to press. FastImpose handles all imposition needs, from standard layout, to multi-web, (asymmetric) coming-and-going, multiple sections with different trim sizes on the same sheet, even foldouts (tri-folds and gate-folds). Whether you are a book, magazine, catalog, or commercial printer, whether you print sheetfed or webfed, FastImpose contains the tools to get the job done, efficiently and correctly the first time around.

Duration
1 day

Goal
In this course, administrators/operators learn to master the key functionalities of **FastImpose Server Components**.

Learning targets
After completion of the **FastImpose Server Components** course, the trainees can:
• Link WebCenter to Automation Engine
• Create automatic imposition workflows

Requirements
Before attending this course, you should have the following basic knowledge:
• Windows
• Imposition concepts and terminology
• Automation Engine

Lessons Overview
• Introduction
• Setup connection with Automation Engine
• Create imposition templates for automatic workflows
• Building imposition workflows
10. FlexoPerfection

FlexoPerfection is designed especially for ripped flexographic image files, with functionalities that no other image editing program contains. FlexoPerfection is built upon the PERfection technology, which gives you all the functionalities available in the PERfection CopyDot editing application. This allows for convenient last minute changes and corrections to ripped image files.

10.1 FlexoPerfection

Duration
1 day

Goal
In this course, plate makers learn to master the key functionalities of FlexoPerfection.

Learning targets
After completion of the FlexoPerfection course, the trainees can:
- Explain the concept and use of FlexoPerfection
- Use the workspace and online help
- List the supported file formats
- List the tools from toolbar and menu
- Explain different selection tools
- Explain the preferences
- Perform different filters like seaming, resampling...
- Use the file locking
- Use non-printable dot warning and selection from dot warning
- Explain the minimal dot size tool
- Explain PerfectHighlights and Groovy screens
• Prepare actions and hot folders for batch processing

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Windows
• Basic knowledge of preproduction workflow
• Basic knowledge of FlexRip
• Good Knowledge of Screening

Lessons Overview

• Digital quality control on ripped (EPS, TIFF, LEN) bitmap data
• Flexo print quality improvement
11. Imaging Engine (FlexRip / FlexProof)

Fast, consistent and high quality output to any imaging device or proofer. **FlexRip** offers performance, reliability and compatibility with open industry standards. Screening and calibration technologies adapted to flexo are integrated, allowing you to make optimum use of the CDI. FlexRip tools enable job verification to reduce waste levels and error rate. **FlexProof** includes color management to enable contract proofs to be made on a variety of digital proofing devices, including accurate spot color matching. FlexProof also allows you to create color-managed files (PDF, PS and TIFF) for outputting to third-party digital print systems.

11.1 FlexRip

**Duration**
2 days

**Goal**
In this course, plate makers learn to master the key functionalities of **FlexRip**.

**Learning targets**
After completion of the **FlexRip** course, the trainees can:
- Create FlexRip Configurations and understand dispatcher queue settings
- Create workflows integrated with Automation Engine
- Backup and restore FlexRip configurations

**Requirements**
Before attending this course, you should have the following knowledge:
- Basic knowledge of Windows
- Possession of FlexRip software
Lessons Overview

- Introduction to FlexRip
  - Engine
  - Output modules
- Configuring FlexRip Dispatcher
- Backing up and restoring FlexRip
- Creating dispatcher queue settings
- Integrate FlexRip in Automation Engine
- Create workflows

11.2 FlexProof Basics

FlexProof allows you to create color-managed files (PDF, PS, TIFF) for outputting to 3rd party digital print systems.

Duration
1 day

Goal
In this course, prepress operators and managers learn how to generate color-managed files.

Learning targets
After completion of the FlexProof Basics course, the trainees can:

- Understand the FlexRIP concept
- Configure output queues
- Generate color-managed files
• Troubleshoot problems

Requirements
Before attending this training, you should have the following knowledge:
• Microsoft Windows
• Color theory (deltaE, Lab, light source…)
• Color Engine Basics

Lessons Overview

• Introduction to FlexRIP
  • Engine
  • Output modules
• Configure FlexRIP/Proof dispatcher
• Configure output queues
• BU and restore FlexRIP/Proof configurations
• Configure FlexProof dispatcher in Automation Engine
• Proof ticket in Automation Engine

11.3 FlexProof Advanced

FlexProof allows you to create color-managed files (PDF, PS, TIFF) for outputting to 3th party digital print systems

Duration
1 day

Goal
In this course, prepress managers and color managers learn the advanced possibilities of FlexProof.

Learning targets
After completion of the FlexProof Advanced course, the trainees can:
• Create screened outputs
• Troubleshoot problems

Requirements
Before attending this training, you should have the following knowledge:
• FlexProof Basics
• Color Engine Advanced

Lessons Overview
• Setup screened output
  • Create dotgain curves
  • Setup screened workflow in Automation Engine
• Troubleshooting

11.4 Bitmap Viewer

Esko Bitmap Viewer is FlexRip’s powerful quality control tool that digitally verifies ripped data for content and printability before output. Users are able to preview ruling, angles, traps, line thickness, dot gain, resolution, seamless check, minimum dot size and other job critical data like barcodes, braille, TAC. In addition, Esko Bitmap Viewer compares different versions of a job and automatically highlights all differences. Esko Bitmap Viewer clearly shows any mistake before it is output to film, plate or press. It saves time and considerably reduces waste.

Duration
4 hours
Goal
In this course, plate makers learn to master the key functionalities of **Bitmap Viewer**.

Learning targets
After completion of the **Bitmap Viewer** course, the trainees can:

- View separations and different preview modes
- Use general tools in order to preview ruling, angles, traps, line thickness, dot gain, resolution, seamless check, minimum dot size…
- Verify barcodes, braille, TAC, flexo specific pain points
- Compare different versions of files

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of prepress processes and workflows
- Basic knowledge of screening
- Basic knowledge of FlexRip or Imaging Engine

Lessons Overview

- Different preview modes
- Measuring tools
- General tools

11.5 CIP3

InkPlanner, an option on Esko FlexRip, will perform the ink calculation on the fly during exposure on film or plate. Graphic items such as register marks or control strips are included in the calculation. The information can be sent to the remote ink control system of the press in a specifically chosen format.
**Duration**
1 day

**Goal**
In this course, plate makers learn how to set up CIP3 for different presses.

**Requirements**
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Possession of FlexRip software
- Basic knowledge of FlexRip

**Lessons Overview**
- Using the CIPress interface
- Calculating the keys
- Integrating the configuration in Automation Engine

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**11.6 Curve Pilot**

Curve Pilot is a highly sophisticated application to control and calibrate output devices and presses. It uses control strategies to perform compensations on screened and unscreened data. It compensates for every gray level and so guarantees maximum contrast and detail in both offset and flexo.

**Duration**
1 day

**Goal**
In this course, plate makers learn to master the key functionalities of Curve Pilot.
Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Basic knowledge of Automation Engine
- Basic knowledge of FlexRip or Imaging Engine

Lessons Overview

- What is Dotgain
- How to create a Dotgain Compensation Curve
- User definable flowchart for building custom curve strategies
- How to use Curve Pilot within an Automation Engine environment (Platemaking, RIP option, tickets)
- Using press and proofer curves to predict press behavior on proofing devices

11.7 PressSync

PressSync is a system designed to eliminate the problems associated with creating and maintaining custom press curves. It replaces measured press curves by synchronized curves. These curves are optimized for both offset and flexo printing and match different standards. They smooth out natural press variation and provide a good fit to the behavior of your press with fewer fingerprint runs. This helps to get rid of hundreds of DGC files in RIP.

PressSync comes with the **PressSync calculator**. The calculator is able to match a printing standard from a few readings.
Duration
1 day

Goal
In this course, plate makers and process controllers learn to master the key functionalities of PressSync.

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Basic knowledge of Automation Engine
- Basic knowledge of FlexRip or Imaging Engine
- Basic knowledge of process control, color management, printing standards

Lessons Overview

- Match print standards: GRACoL, SWOP, G7 or your own
- Determine curves from production sheets
- Make adjustments intuitively, by measurement, or both
- Easily implement advanced screening such as Concentric
- Make color management simpler and more accurate
12. Imaging Engine powered by Adobe

Based on the Adobe PDF Print Engine, the Imaging Engine is a high quality, high performance RIP solution. Screening and calibration technologies adapted to flexo are integrated, allowing you to make optimum use of the CDI. Imaging Engine outputs to file and features tools for job verification to reduce waste levels and error rate. As well as being the perfect RIP solution for the CDI, Imaging Engine can create files in open image formats such as TIFF so it can be used for production in other printing processes such as offset litho and gravure.

Imaging Engine also allows you to create unscreened color-managed files (PDF and TIFF) for outputting to third-party digital print systems.

12.1 Imaging Engine

Duration
1 day

Goal
In this course, plate makers learn how to configure and use Imaging Engine.

Learning targets
After completion of the Imaging Engine course, the trainees can:

- Configure Imaging Engine in Automation Engine
- Use the Imaging Engine tickets
- Automate plate creation

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Basic knowledge of Automation Engine

Lessons Overview
• Introduction to Imaging Engine:
  • Adobe PDF Print Engine
  • RIP Technology
• Configuring Imaging Engine in Automation Engine
• Understanding the differences between the Imaging Engine tickets
• Configuring and using the Imaging Engine tickets
• Creating RIP based workflows
• Optional: configuring CIP 3

12.2 Bitmap Viewer

Esko Bitmap Viewer is FlexRip’s powerful quality control tool that digitally verifies ripped data for content and printability before output. Users are able to preview ruling, angles, traps, line thickness, dot gain, resolution, seamless check, minimum dot size and other job critical data like barcodes, braille, TAC. In addition, Esko Bitmap Viewer compares different versions of a job and automatically highlights all differences. Esko Bitmap Viewer clearly shows any mistake before it is output to film, plate or press. It saves time and considerably reduces waste.

Duration
4 hours
Goal
In this course, plate makers learn to master the key functionalities of Bitmap Viewer.

Learning targets
After completion of the Bitmap Viewer course, the trainees can:

• View separations and different preview modes
• Use general tools in order to preview ruling, angles, traps, line thickness, dot gain, resolution, seamless check, minimum dot size…
• Verify barcodes, braille, TAC, flexo specific pain points
• Compare different versions of files

Requirements
Before attending this course, you should have the following knowledge:

• Basic knowledge of prepress processes and workflows
• Basic knowledge of screening
• Basic knowledge of FlexRip or Imaging Engine

Lessons Overview

• Different preview modes
• Measuring tools
• General tools

12.3 Curve Pilot
Curve Pilot is a highly sophisticated application to control and calibrate output devices and presses. It uses control strategies to perform compensations on screened and unscreened data. It compensates for every gray level and so guarantees maximum contrast and detail in both offset and flexo.

**Duration**
1 day

**Goal**
In this course, plate makers learn to master the key functionalities of Curve Pilot.

**Requirements**
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Basic knowledge of Automation Engine
- Basic knowledge of FlexRip or Imaging Engine

**Lessons Overview**

- What is Dotgain
- How to create a Dotgain Compensation Curve
- User definable flowchart for building custom curve strategies
- How to use Curve Pilot within a Automation Engine environment (Platemaking, RIP option, tickets)
- Using press and proofer curves to predict press behavior on proofing devices

12.4 PressSync
PressSync is a system designed to eliminate the problems associated with creating and maintaining custom press curves. It replaces measured press curves by synchronized curves. These curves are optimized for both offset and flexo printing and match different standards. They smooth out natural press variation and provide a good fit to the behavior of your press with fewer fingerprint runs. This helps to get rid of hundreds of DGC files in RIP.

PressSync comes with the **PressSync calculator**. The calculator is able to match a printing standard from a few readings.

**Duration**
1 day

**Goal**
In this course, plate makers and process controllers learn to master the key functionalities of PressSync.

**Requirements**
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Basic knowledge of Automation Engine
- Basic knowledge of FlexRip or Imaging Engine
- Basic knowledge of process control, color management, printing standards

**Lessons Overview**

![PressSync Calculator](image)
• Match print standards: GRACoL, SWOP, G7 or your own
• Determine curves from production sheets
• Make adjustments intuitively, by measurement, or both
• Easily implement advanced screening such as Concentric
• Make color management simpler and more accurate
13. Grapholas

Powerful and dedicated front-end
Grapholas is the dedicated CDI front-end, accepting 1-bit TIFF or LEN-files from Esko’s FlexRip or any third party RIP. The Grapholas Merger feature intelligently arranges your jobs on a virtual plate before sending them for exposure on the CDI.

13.1 PlatePrep

Duration
1 day

Goal
In this course, CDI Operators learn to master the key functionalities of PlatePrep.

Learning targets
After completion of the PlatePrep course, the trainees can:

• Set up a local drive or network drive for Grapholas Merge
• Prepare jobs for the CDI
• Cut plates on a Kongsberg table
• View files with the Bitmap Viewer
• Mirror, invert, rotate and crop images

Requirements
Before attending this course, you should have the following knowledge:

• Basic knowledge of Windows
• Basic knowledge of graphics and prepress processes
Lessons Overview

- Plate preparation with the Merger
- Checking the imaging data with the Viewer
- Job controlling on a CDI with the Exposer
- Network configuration
- Optimizing the workflow
i-cut Suite tackles all the bottlenecks in your sign and display workflow.

**Streamline your large format printing workflow**
Eliminate errors, save time and reduce waste with i-cut Suite. i-cut Suite is a collection of pre-production software targeted specifically at users of large format digital printers and/or digital finishing systems.

**Eliminate bottlenecks**
i-cut Suite tackles all bottlenecks in your workflow. From preflighting PDF files, preparing graphics, creating layouts, to printing, and finishing in perfect registration. i-cut Suite streamlines every step of the way.

### 14.1 i-cut Preflight

i-cut Preflight runs preflight profiles and action lists on your files, to optimize them.

**Duration**
1 day

**Goal**
In this course, sheet lay-out designers learn to master the key functionalities of **i-cut Preflight**.

**Learning targets**
After completion of the **i-cut Suite** course, the trainees can:
- Use i-cut Preflight concepts and basic functions
- Work with the editing tools
- Handle/create the Technical lines/inks (cut, crease, …)
- Save graphics file(s) and 3D file(s)

**Requirements**
Before attending this course, you should have the following knowledge:
- Basic knowledge of Mac or Windows
• Knowledge of Neo, Plato, and/or PackEdge, and/or Structural design is an advantage

Supplied Materials
Sample files

Lessons Overview

• Basic graphic features adding SmartMarks
• Creating/adjusting masks
• Adding nicks
• Create/ use preflight profiles and action lists

14.2 i-cut Layout

i-cut Layout nests your single jobs into a plate and places marks.

Duration
1 day

Goal
In this course, sheet lay-out designers learn to master the key functionalities of **i-cut Layout**.

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Windows
• Knowledge of Plato and/or PackEdge and/or Structural design is an advantage

Supplied Materials
Sample files
Lessons Overview

- Creating a plate
- Collecting single files, managing technical lines, nesting
- Adding SmartMarks
- Adding nicks
- Calculating plates
- Export/output plates

14.3 SmartMarks

SmartMarks are various items that can be placed on/around a job or single elements

Duration
1 day

Goal
In this course, sheet lay-out designers learn to master the key functionalities of SmartMarks.

Learning targets
After completion of the SmartMarks course, the trainees can:
- Create SmartMarks
- Create SmartMarks sets
- Re-use SmartMarks (sets)

Requirements
Before attending this training, you should have the following knowledge:
- Basic knowledge of Windows
- Very good knowledge of PackEdge
Supplied Materials
Sample files

Training lessons
- Basic concepts
- Create SmartMarks
- Create SmartMarks sets
- Re-use SmartMarks (sets)
15. Kongsberg

The Kongsberg die-less cutting and creasing tables define the standards in productivity and versatility. There is a Kongsberg digital finishing table for every process, material and application.

15.1 Kongsberg XP

A superior cutting table for short run production, signs and POP.

15.1.1 Basics

Duration
3.5 days

Goal
In this course, Kongsberg operators learn to master the key functionalities of Kongsberg XP table Basics.

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of PC and Windows
- Good knowledge in electronics and servo technology
- Good knowledge in mechanics

Supplied Materials
- Training Guide
- Training files
Lessons Overview

- Introduction
- Graphical User Interface
- Setup and operation
- Installation

15.1.2 i-cut

The Kongsberg i-XE10 has been designed to provide an efficient and versatile finishing solution for short-run production of articles for visual communication, labels, signs and displays. The Kongsberg i-XE is a digital finishing solution for small format, lightweight and flexible materials.

Duration

1 day

Goal

In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg i-cut.

Requirements

Before attending this course, you should have basic knowledge of PC and Windows.

Supplied Materials

- Training Guide
- Training files

Lessons Overview

- Configuring i-cut
- Preparing and managing files
- Setting up jobs for production
- Producing jobs
• Advanced production set up

15.1.3 Auto

The Kongsberg XP Auto is a fully automated dieless finishing machine for packaging and point-of-purchase displays. Based on the successful Kongsberg XP series, the most productive digital finishing devices in the world, Esko has now expanded its range of automated finishing units with the XP Auto. The XP Auto comes loaded with functionality that boosts productivity and ensures reliable operation.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg XP Auto.

Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

15.1.4 Tooling

Corrugated converting, POP and signage demand the ability and the versatility to process a wide array of materials, the Kongsberg XP tools handle them all with ease and accuracy.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg XP Tooling.

Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

Lessons Overview
• Tool mounting
• Tool adjustments
• Material setup
• Materials

15.1.5 Conveyor

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg XP Conveyor.

Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

15.2 Kongsberg XE

High-speed precision digital cutting table for labels, signs and displays.

The Kongsberg XE Series is a smaller format platform digital cutting table. It is designed to provide a fast, high-quality solution for samplemaking and short-run production of folding cartons.

With the Kongsberg XE Series, users can expect a digital finishing solution that outclasses others in both productivity and precision. Assisted by a rack-and-pinion X/Y drive with precise motion control, a new, fast servo system and complete tool set, the XE tables deliver high operational speed and precision - with easy operation.

15.2.1 Basics

Duration
1 day
Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg XE table basics.

Requirements
Before attending this course, you should have the following knowledge:
- Basic knowledge of PC and Windows
- Basic knowledge of mechanics
- Basic knowledge of electricity

Supplied Materials
- Training Guide
- Training files

Lessons Overview
- The help system
- The graphical user interface
- The table
- Exercises
- Maintenance

15.2.2 i-cut

The i-XE10 table has an integrated MGE i-cut® vision system in the toolhead. This camera first measures actual dimensions and positions on the actual printed result. Then, finishing is adapted to the shape of the graphics. With the MGE i-cut® vision system, you can guarantee a cut contour that perfectly matches the printed graphics.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg i-cut.

Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

Supplied Materials
- Training Guide
- Training files
Lessons Overview

- Configuring i-cut
- Preparing and managing files
- Setting up jobs for production
- Producing jobs
- Advanced production set up

15.2.3 Auto

The Kongsberg i-XE10 Auto offers automated short run production on a big range of materials.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg i-XE10 Auto.

Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

15.2.4 Tooling

The new toolset of the Kongsberg XE-10 is faster than the traditional XL and DCM tools. It is designed for lightening-fast motion, which is important to increase productivity and scaled to folding carton requirements. Tooling options include: a pressure controlled kiss-cutting knife tool, a knife tool with high-precision, programmable cutting depth; a static knife tool for solid materials; a reciprocating knife tool for corrugated and foam board; a crease tool for packaging materials. The tooling comes with quick connectors, including electrical connections and automatic tool identification, for fast and trouble-free changeovers.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg XE Tooling.
Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

Lessons Overview
• Tool mounting
• Tool adjustments
• Material setup
• Materials

15.2.5 Conveyor

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg Conveyor.

Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

15.3 Kongsberg XL

Record-breaking productivity and versatility.
The Kongsberg XL-Series of die-less cutting and creasing tables for packaging applications are the benchmark in their kind for reliability and productivity. They deliver record-breaking productivity and versatility, resulting from leading edge technology. They are the industry’s most cost-effective machines, loaded with unique features that save time and boost sample quality.

Users of the Kongsberg XL-tables can choose from a complete tooling family that enables quality processing of materials ranging from thin cartons to the most demanding heavy-duty materials such as triple-wall corrugated, wood and acrylics. The comprehensive XL tooling family makes the machines configurable to virtually any imaginable need within samplmaking and short-run production.

Not only do the most prestigious names in the corrugated and folding carton industry use the Kongsberg table for their design and small run production work, but many smaller shops have also chosen the table for its magnificent quality and exceptional return on investment. The current
Kongsberg XL-Series of cutting and creasing tables is the latest model that keeps with the legacy of record-breaking productivity and versatility.

15.3.1 Basics

Goal
The Training Guide is designed to assist Kongsberg operators during a trainer-led Kongsberg XL course.

Learning Targets
After completion of the Kongsberg XL course, the trainees can:

• Operate the table
• Calibrate the tools
• Maintain the table
• Comply with the Kongsberg XL safety instructions

Requirements
To attend the Kongsberg XL course, you need basic knowledge of PC and Windows.

Supplied Materials
• Training Guide
• Training files

Lessons Overview

• Introduction
• Graphical User Interface
• Setup and operation
• Installation

15.3.2 i-cut
The Kongsberg i-XL digital finishing system delivers record-breaking productivity and versatility. The table is easy to operate, comes with excellent tools for any application and has an unsurpassed track record for durability. The Kongsberg i-XL comes with tooling specifically for the sign and display market, and offers perfect registration. This gives you the combination you need to finish anything from papers, styrene, PVC and foam boards to the most demanding applications such as acrylcs and environmental boards. And you can do it in record time!

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg i-XL.

Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

Supplied Materials
• Training Guide
• Training files

Lessons Overview
• Configuring i-cut
• Preparing and managing files
• Setting up jobs for production
• Producing jobs
• Advanced production set up

15.3.3 MultiCUT

The Kongsberg die-less cutting and creasing tables deliver record-breaking productivity and versatility, resulting from leading edge technology. There is a Kongsberg flatbed plotting table for every need: for every format, for every material, for every process and for every application: small-lot production, sample making, finishing of signs and displays.

Duration
2 days
Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg MultiCUT.

Requirements
Before attending this course, you should have the following knowledge:
- Basic knowledge of PC and Windows
- Good knowledge in electronics and servo technology
- Good knowledge in mechanics

Lessons Overview
- Introduction
- System Description
- Safety
- Operation
- Practice

15.3.4 PowerHead

The Kongsberg XL tooling system consists of a wide variety of separate tool units. These can be quickly mounted and prepared to cut and finish a specific job, assuring exceptional quality and prompt delivery. The unique PowerHead, with its 150mm crease wheel, provides near diecut crease quality even in heavy-duty materials. It can also be equipped with V-notch tooling for exact folding of triple wall corrugated.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg PowerHead.

Requirements
Before attending this course, you should have XL Table operator knowledge.
Lessons Overview

- Tool head and tool inserts
- Tool adjustments
- PowerHead and Job Setup

15.3.5 FoamHead

The Kongsberg XL tooling system consists of a wide variety of separate tool units. These can be quickly mounted and prepared to cut and finish a specific job, assuring exceptional quality and prompt delivery. The FoamHead handles different kinds of foam materials and honeycomb paperboard, up to 86mm in thickness.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg FoamHead.

Requirements
Before attending this course, you should have Kongsberg Table operator knowledge.

Lessons Overview

- Tool head and knife blades
• Tool adjustments
• FoamHead and Job Setup

15.3.6 FlexiHead

The Kongsberg XL tooling system consists of a wide variety of separate tool units. These can be quickly mounted and prepared to cut and finish a specific job, assuring exceptional quality and prompt delivery. The FlexiHead offers excellent functionality for corrugated and folding carton materials.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg FlexiHead.

Requirements
Before attending this course, you should have Kongsberg Table operator knowledge.

Lessons Overview
• Tool head and tool inserts
• Tool adjustments
• FlexiHead and Job Setup

15.3.7 Sheetfeeder

The Kongsberg i-XE and i-XL finishing tables are regarded as the industry’s most cost-effective machines, loaded with unique features that save time and boost quality. With the optional SheetFeeder units the systems provide capabilities for long run sizes in automatic production mode - practically without operator interference.

Duration
0,5 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg sheetfeeder.
Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of PC and Windows
- Basic knowledge of mechanics
- Basic knowledge of electricity

Lessons Overview
- Safety devices
- The Basic operation
- The pneumatic system
- Loading and unloading table

15.3.8 Conveyor

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg XL Conveyor.

Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

15.4 Kongsberg XN

The perfect digital finishing device is expandable for the future.

In a world with rapid technology and business change, it is important to invest in equipment that offers all of the capabilities you need for the present, but with flexibility for the future. The Kongsberg XN is easily the most versatile digital finishing device ever introduced.

Whether your focus is 2D or 3D; packaging, signs or displays; or with just about any material from vinyls to boards to wood; the Kongsberg XN is perfect for any job or application. It can even be used to cut flexographic plates as part of the Esko Digital Flexo Suite.
The Kongsberg XN is available in seven different sizes from 1680 x 1270 mm (66" x 50") to 2210 x 6550 mm (87" x 258").

15.4.1 Basics

Goal
The Training Guide is designed to assist Kongsberg operators during a trainer-led Kongsberg XN course.

Learning Targets
After completion of the Kongsberg XN course, the trainees can:
- Operate the table
- Calibrate the tools
- Maintain the table
- Comply with the Kongsberg XN safety instructions

Requirements
To attend the Kongsberg XN course, you need basic knowledge of PC and Windows XP or 7.

Supplied Materials
- Training Guide
- Training files

Lessons Overview
- Introduction
- Graphical User Interface
- Setup and operation
- Installation
15.4.2 i-cut

The Kongsberg i-XL digital finishing system delivers record-breaking productivity and versatility. The table is easy to operate, comes with excellent tools for any application and has an unsurpassed track record for durability. The Kongsberg i-XL comes with tooling specifically for the sign and display market, and offers perfect registration. This gives you the combination you need to finish anything from papers, styrene, PVC and foam boards to the most demanding applications such as acrylics and environmental boards. And you can do it in record time!

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg i-XL.

Requirements
Before attending this course, you should have basic knowledge of PC and Windows.

Supplied Materials
• Training Guide
• Training files

Lessons Overview
• Configuring i-cut
• Preparing and managing files
• Setting up jobs for production
• Producing jobs
• Advanced production set up

15.4.3 MultiCUT

The Kongsberg die-less cutting and creasing tables deliver record-breaking productivity and versatility, resulting from leading edge technology. There is a Kongsberg flatbed plotting table for every need: for every format, for every material, for every process and for every application: small-lot production, sample making, finishing of signs and displays.
Duration
2 days

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg MultiCUT.

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of PC and Windows
- Good knowledge in electronics and servo technology
- Good knowledge in mechanics

Lessons Overview

- Introduction
- System Description
- Safety
- Operation
- Practice

15.4.4 PowerHead

The Kongsberg XL tooling system consists of a wide variety of separate tool units. These can be quickly mounted and prepared to cut and finish a specific job, assuring exceptional quality and prompt delivery. The unique PowerHead, with its 150mm crease wheel, provides near diecut crease quality even in heavy-duty materials. It can also be equipped with V-notch tooling for exact folding of triple wall corrugated.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg PowerHead.
Requirements
Before attending this course, you should have **XL Table operator** knowledge.

Lessons Overview

- Tool head and tool inserts
- Tool adjustments
- PowerHead and Job Setup

15.4.5 FoamHead

The Kongsberg XL tooling system consists of a wide variety of separate tool units. These can be quickly mounted and prepared to cut and finish a specific job, assuring exceptional quality and prompt delivery. The FoamHead handles different kinds of foam materials and honeycomb paperboard, up to 86mm in thickness.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of **Kongsberg FoamHead**.

Requirements
Before attending this course, you should have **Kongsberg Table operator** knowledge.
Lessons Overview

• Tool head and knife blades
• Tool adjustments
• FoamHead and Job Setup

15.4.6 FlexiHead

The Kongsberg XL tooling system consists of a wide variety of separate tool units. These can be quickly mounted and prepared to cut and finish a specific job, assuring exceptional quality and prompt delivery. The FlexiHead offers excellent functionality for corrugated and folding carton materials.

Duration
1 day

Goal
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg FlexiHead.

Requirements
Before attending this course, you should have Kongsberg Table operator knowledge.

Lessons Overview
• Tool head and tool inserts
• Tool adjustments
• FlexiHead and Job Setup

15.4.7 Sheetfeeder
The Kongsberg i-XE and i-XL finishing tables are regarded as the industry’s most cost-effective machines, loaded with unique features that save time and boost quality. With the optional SheetFeeder units the systems provide capabilities for long run sizes in automatic production mode - practically without operator interference.

**Duration**
0,5 day

**Goal**
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg sheetfeeder.

**Requirements**
Before attending this course, you should have the following knowledge:
- Basic knowledge of PC and Windows
- Basic knowledge of mechanics
- Basic knowledge of electricity

**Lessons Overview**
- Safety devices
- The Basic operation
- The pneumatic system
- Loading and unloading table

**15.4.8 Conveyor**

**Duration**
1 day

**Goal**
In this course, Kongsberg Operators learn to master the key functionalities of Kongsberg XL Conveyor.

**Requirements**
Before attending this course, you should have basic knowledge of PC and Windows.
Neo is a highly productive PDF native editor.

With the native PDF application Neo, a highly productive editor is available that gives the operator efficiency and productivity for editing and correction of multipage PDF files in commercial printing environments. Any user dealing with PDF will see Neo as a formidable asset in drastically reducing the approval and correction cycles that are unavoidable in today’s demanding prepress environments.

16.1 Neo

**Duration**

1 day

**Goal**

In this course, pre-production editors learn to master the key functionalities of Neo.

**Learning targets**

After completion of the Neo course, the trainees can:

- Edit graphic objects, images, fonts, layers and separations
- Check PDF files using various inspector tools
- Edit, preflight and certify PDF files using PDF Profiles and Action Lists
- Use the Trap Tool

**Requirements**

Before attending this course, you should have the following knowledge:

- Basic knowledge of Mac OS
- Basic knowledge of graphical and prepress processes and workflows

**Lessons Overview**
Selection of:

- Previewing and measuring

- Editing text, images and other graphical objects: transforming, replacing images, changing the fill color, ...

- On-screen checking: previewing by layer or by separation

- Modifying/creating shadows and transparencies

- Certification of the PDF

- Trapping tool
A comprehensive high-end workflow solution for label, packaging and commercial print pre-production. Nexus increases your productivity through automation of human-intensive front-end and RIP tasks.

Nexus is a modular system with four core modules: NexusImport, NexusProcessor, Nexus PDF Processor and NexusRIP. Each module can run on separate hardware, so you can configure the system to your own needs of functionality, throughput and security.

**Highlights**

- Wide range of input file formats
- Wide range of output file formats
- Automate ArtPro tasks
- High productivity
- Very strong workflow automation
- High quality screened output
- Easy to integrate
- Tuned for labels & packaging

### 17.1 Nexus Basics

**Duration**

2 days
Goal
In this course, workflow administrators learn to master the key functionalities of Nexus Basics.

Learning targets
After completion of the Nexus Basics course, the trainees can:
- Edit and manage jobs using NexusManager
- Build basic workflows for Nexus Import, Processor and RIP
- Master the user management, file dependencies, naming templates and file/folder structures
- Set up the different input channels for file submission to Nexus

Requirements
Before attending this course, you should have the following knowledge:
- Basic knowledge of Windows/Mac OS
- Basic knowledge of workflow concepts
- Basic knowledge of ArtPro production

Lessons Overview
- Job management using Nexus Manager, Nexus’ client-based configuration and managing application
- Basic setup: creating basic types of workflows and hotfolders, running jobs, defining users and groups
- General: selecting files and defining dependencies, using name templates
- RIP: basic RIP-activities for later output on imagesetters and proofing systems
- Import: basic Import options to convert a PDF/PS/EPS to a native ArtPro file
- Processor: basic processor activities
- Interactive workflows with Shuttle and XML
17.2 Nexus Advanced

**Duration**
1 day

**Goal**
In this course, workflow administrators learn to master the key functionalities of **Nexus Advanced**.

**Learning targets**
After completion of the **Nexus Advanced** course, the trainees can:
- Improve existing workflows for production
- Further fine-tune workflows by use of added functionality

**Requirements**
Before attending this course, you should have the following knowledge:
- Basic knowledge of Windows/Mac OS
- Basic knowledge of workflow concepts
- Advanced knowledge of ArtPro production
- Advanced knowledge of the Nexus workflow

**Lessons Overview**
• Analyzing the current workflow
• Determining workflow potentials with XML and NeXML
• Upgrading workflows to new technologies
• Discussing optional workflow strategies for future use

17.3 NexusImport

Nexus

NexusImport™ is the importing mechanism for Nexus. It will convert all incoming files, including PDF, PostScript, and TIFF/IT, to a native file format which is designed to maximize flexibility and functionality while retaining full security of the file. At any stage in the workflow, the job can be converted back to a PDF, PS, TIFF/IT or DCS file for remote previewing, proofing, or output. PDF and PS files are normalized and optimized on the fly, while allowing for a very broad range of automatic file corrections at the time of import. At the same time a complete preflighting mechanism is integrated, which will save a report file linked with the job in the workflow.

Duration
2 days

Goal
In this course, workflow administrators learn to master the key functionalities of NexusImport.

Learning targets
After completion of the NexusImport course, the trainees can:
• Build workflows for TIFF vectorization and importing PS/PDF files
• Set up preflight controls using ArtCruise
• Build workflows to offload the ArtPro export process
• Prepare DTP-input files to facilitate the Import process

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Windows/Mac OS
• Basic knowledge of workflow concepts
• Basic knowledge of ArtPro production
• Basic knowledge of the standard Prepress-applications (Adobe CS, Quark Xpress, ...)

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Lessons Overview

- Basic import activities: saving embedded pictures, using fonts, creating subdirectories using the name templates
- Preflight on import: using the preflight module of Nexus import for more safety and transparency of file structures
- Creating different styles of importing files to the ArtPro file format
- Basic preparation of files for best import result
- Exporting ArtPro files to PDF and PS for different purposes

17.4 NexusProcessor

NexusProcessor™ handles all the content-related automatic processing of the file during the workflow. It accepts data from NexusImport, or native data submitted from an ArtPro interactive workstation. NexusProcessor is typically vector based, and allows the user to automate a wide variety of tasks which can also be handled manually on an ArtPro workstation. NexusProcessor can run independently from NexusRIP, and can be operated in a completely modular manner, outputting vector based PostScript or PDF data to any remote site, printer, proofer, platesetter or any other output device. The goal of NexusProcessor is to allow any production environment to offload time consuming day-to-day manual operations to a high performance server in a batch environment, giving a very broad range of functions to be combined in workflows to automate almost the entire content production process.

Duration

3 days
Goal
In this course, workflow administrators learn to master the key functionalities of NexusProcessor.

Learning targets
After completion of the NexusProcessor course, the trainees can:
• Build workflows for automating repetitive ArtPro tasks
• Automate Step & Repeat, versioning and marks generation
• Create workflows to offload the ArtPro export process

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Windows/Mac OS
• Advanced knowledge of ArtPro production
• Basic knowledge of the Nexus workflow

Lessons Overview
• Basic activities using Nexus Processor
• Working with layers
• Automated Step and Repeat
• Version with layers and files
• Marks and decoration with Artlink
• Options for MIS-integration

17.5 Nexus PDF Processor
Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of Nexus PDF Processor.

Learning targets
After completion of the Nexus PDF Processor course, the trainees can:

- Automate various PDF modification tasks (job sizes, layers, inks, marks creation, ...)
- Build workflows to preflight, fix and certify PDF files using PDF Profiles and Action Lists
- Automate the trapping of PDF files

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows/Mac OS
- Basic knowledge of workflow concepts
- Basic knowledge of ArtPro production

Lessons Overview

- Potentials and limitations of PDF automation
- Using profiles and action lists within Nexus
- Applying global changes to PDF files
- Decorating PDF files
• JDF-use in Nexus
• Certifying PDF files with Esko PACT technology

17.6 Nexus PDF RIP

Duration
2 days

Goal
In this course, workflow administrators learn to master the key functionalities of Nexus PDF RIP.

Learning targets
After completion of the Nexus PDF RIP course, the trainees can:
• Build workflows for different output device types (proofer, CTF, CTP)
• Set up the screening and output parameters
• Use SymphonyCalibrator to create compensation and direct curves for different output device types
• Check ripped files using DotSpy

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Windows/Mac OS
• Basic knowledge of workflow concepts
• Basic knowledge of ArtPro production
Lessons Overview

- General advantages of PDF in connection with a production workflow
- Basic PDF RIP activities
- Trapping jobs using the Esko 4Stage technology in Nexus
- Setting up output options for proofers and imagesetters
- Screening and calibrating using Symphony calibrator
- 1-Bit and 8-Bit Tiff/LEN Assemblage
- Checking screened separations in DotSpy
- Output channels in Nexus

17.7 Nexus Edit

NexusEdit™ is a front-end editing application on the Macintosh platform which permits last minute corrections, modifications, and editing of files in the Nexus workflow. Instead of requiring different editing tools for different file formats, NexusEdit can actually view and edit different file formats with a single integrated tool, no matter if the job is only imported with NexusImport(vector format), further manipulated with NexusProcessor (vector format), or rasterized in NexusRIP (raster format). Even when files have already been screened, they can be previewed in color or as separations with NexusEdit. Thus, full flexibility is offered for manual previewing and editing of files at any stage of the workflow, a functionality desperately needed in today’s production environments.
Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of Nexus Edit.

Learning targets
After completion of the Nexus Edit course, the trainees can:
• Edit graphic objects, images, fonts, layers and separations
• Generate barcodes
• Use the interactive trap tool and specify trapping parameters for NexusProcessor
• Check ArtPro files using various inspector tools

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Mac OS
• Basic knowledge of graphical and prepress processes and workflows

Lessons Overview

• Editing and drawing tools
• Text editing and handling text. Checking objects for shape, color/image, screening, transparency, blend mode and its relation in the file structure (compounds, groups and layers)
• On-screen checking: preview by layer or by separation, highlighting overprint, traps, transparencies,...
• Unlimited zooming
• Ink Coverage calculation and ink value measurement
• Barcodes: fully integrated barcode tool which can create many industry standard barcodes and incorporates all necessary checks for optical readability
• Trapping tools

17.8 NeXML
NeXML™ is a software package for Nexus version 8 and above, allowing users to automate Nexus workflows using data from database systems such as Management Information Systems (MIS), Job Management Systems, etc. The NeXML automation is built around a system that allows XML jobtickets — coming from an external source — to override parameters in Nexus-NeXML workflows.

**Duration**
4 days

**Goal**
In this course, workflow administrators learn to master the key functionalities of NeXML.

**Learning targets**
After completion of the NeXML course, the trainees can:
- Convert existing Nexus workflows into NeXML-driven workflows
- Create automated workflows allowing Workflow parameters to be retrieved from an XML file

**Requirements**
Before attending this course, you should have experience in Nexus.

**Lessons Overview**
- Setting up automated workflows
- Maintaining automated workflows
18. Odystar

A highly automated pre-press workflow solution based on PDF 1.7 as its native data format and on JDF as the job ticket format.

Odystar offers a complete range of pre-press tools, from preflight, certification and automated document correction all the way to advanced trapping, imposition, proofing, printing and screening to plate.

It is a completely integrated solution for PDF creation and production, which will also give new life to legacy RIPs and workflow systems, transforming them into PDF 1.7 compliant systems.

With an unprecedented ease of use, Odystar will provide an important boost to operator efficiency. Odystar not only drastically increases productivity in a pre-press production environment, but is equally suited for remote generation of highly robust, production-ready PDF files, at advertising and design agencies, document generators, or facilities management sites.

18.1 Odystar Basics

**Duration**
3 days

**Goal**
In this course, workflow administrators learn to master the key functionalities of Odystar Basics.

**Learning targets**
After completion of the Odystar Basics course, the trainees can:

- Build typical prepress workflow canvases using Inspector
- Personalize the workflow settings for Shuttle
• Set up the different input channels for file submission to Odystar
• Use the file tags, naming templates and file/folder patterns
• Create Marks files using Decorate Editor
• Create Runlists for the 'Join Pages' and 'Collect Pages' Gateway using RunList Editor
• Edit and manage jobs using Shuttle

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Macintosh computers – Mac Server OS is an advantage
• Basic knowledge of graphical, prepress processes and workflows

Lessons Overview

• Creating basic workflow canvasses with standard job management, communication, pre-flight and basic production modules, which include Pitstop, Distill, Split/Join Pages and Flatten with the editing tool – Inspector
• Learning different ways of submitting jobs to the workflow and interacting with Inspector or Shuttle to manage your files

18.2 Odystar DynaStrip Flow

DynaStrip is an imposition application, which allows you to easily create new imposition templates and to modify existing impositions. It has tools to easily combine different sheets into one imposition layout, and to recalculate page numbers in function of desired binding methods. DynaStrip can connect to Odystar, so PDFs from Odystar are automatically picked up by DynaStrip and imposed in an existing template, without need for additional user intervention.
Duration
2 days

Goal
In this course, workflow administrators learn to master the key functionalities of Odystar DynaStrip Flow.

Learning targets
After completion of the Odystar DynaStrip Flow course, the trainees can:
• Create and modify DynaStrip imposition templates for use in Odystar
• Set up the DynaStrip connection towards Odystar

Requirements
Before attending this course, you should have the following knowledge:
• Basic experience with imposition and knowledge of basic imposition terminology
• Basic understanding of Mac OS
• Odystar admin users need to have a basic understanding on how Odystar picks up files and uses naming conventions, to be able to build a naming convention for the DynaStrip templates

Lessons Overview
• Building new imposition templates in DynaStrip: define sheets, signatures, page numbers, bleed settings, sluglines, marks, creep, binding method, pagination sequences, ganging of jobs, etc.
• Using folding templates and sheet templates to create variations of existing impositions
• Modifying existing DynaStrip templates
• Importing Preps templates into DynaStrip
• Creating DynaStrip “output devices” and “plate setups”

Extras for Odystar admin users:
• Connection DynaStrip to Odystar. Make settings in JT Flow preferences and in Odystar DynaStrip gateway
• Decision if “complete job layout” or “assemble from sheet template” must be used in the workflow. This determines the type of templates the operators must use, and also how they are managed in the workflow (naming convention, location on server, …)
18.3 Odystar RIP

**Duration**
1 day

**Goal**
In this course, plate makers learn to master the key functionalities of Odystar RIP.

**Learning targets**
After completion of the Odystar RIP course, the trainees can:

- Build workflow canvases for different output device types (proofer, CTF, CTP)
- Set up the screening and output parameters
- Use SymphonyCalibrator to create compensation and direct curves for different output device types
- Use Screening Toolbox to create predefined screening tiles
- Check ripped files using DotSpy

**Requirements**
Before attending this course, you should have the following knowledge:

- Basic knowledge of graphical, prepress processes and workflows
- Knowledge of Odystar gateways, workflow and configuration

**Lessons Overview**
• Using Esko’s own screening technology to create 1 or 8 bit screened/unscreened tiffs and rasterized PDFs
• Device gateway for printing directly to proofers
• Symphony application for creating calibration curves for use within Rip gateway

18.4 Odystar InPDF

Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of Odystar InPDF.

Learning targets
After completion of the Odystar InPDF course, the trainees can:
• Use the added functionality of this Adobe Illustrator plug-in, prior to InPDF export
• Generate InPDF-files for use in Odystar

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of graphical, prepress processes and workflows
• Knowledge of Odystar gateways, workflow and configuration

Training lesson
18.5 Odystar Trapping

**Duration**
1 day

**Goal**
In this course, workflow administrators learn to master the key functionalities of **Odystar Trapping**.

**Learning targets**
After completion of the **Odystar Trapping** course, the trainees can:

- Set up the Trap Gateway parameters, effecting the results of the 4Stage Trapper
- Define ink collections, properties and Trapping Pairs using Librarian

**Requirements**
Before attending this course, you should have the following knowledge:

- Basic knowledge of graphical, prepress processes and workflows
- Knowledge of Odystar gateways, workflow and configuration

**Lessons Overview**

- Trap gateway – easy trapping user interface to apply Traps, create Rich Blacks and White Frames to artwork using the 4 Stage trapping technology
- Creating ink collections and trapping pairs to define how colors should trap to each other using the Librarian application
18.6 Odystar External Parameter Control

** Odystar

** Duration
2 days

** Goal
In this course, workflow administrators learn to master the key functionalities of Odystar External Parameter Control.

** Learning targets
After completion of the Odystar External Parameter Control course, the trainees can:

- Link Odystar to MIS by means of JDF
- Modify existing workflow canvases to be used in conjunction with JDF/XMP
- Define XPath Expressions to retrieve information from JDF-tickets

** Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of graphical, prepress processes and workflows
- Knowledge of Odystar gateways, workflow and configuration

** Lessons Overview

- Connecting to MIS using JDF tickets which allow 2 way communication – if applicable, customer must have MIS in place prior to installation
18.7 Odystar Workflow

**Duration**
2 days

**Goal**
In this course, workflow administrators learn to master the key functionalities of Odystar Workflow.

**Learning targets**
After completion of the Odystar Workflow course, the trainees can:
- Build typical prepress workflow canvases using Inspector
- Personalize the workflow settings for Shuttle
- Set up the different input channels for file submission to Odystar
- Use the file tags, naming templates and file/folder patterns
- Create Marks files using Decorate Editor
- Create Runlists for the 'Join Pages' and 'Collect Pages' Gateway using RunList Editor
- Edit and manage jobs using Shuttle

**Requirements**
Before attending this course, you should have the following knowledge:
- Basic knowledge of Macintosh computers – Mac Server OS would be an advantage
- Basic knowledge of graphical, prepress processes and workflows
Lessons Overview

• Creating basic workflow canvasses with standard job management, communication, pre-flight and basic production modules, which include Pitstop, Distill, Split/Join Pages and Flatten with the editing tool – Inspector
• Learning different ways of submitting jobs to the workflow and interacting with Inspector or Shuttle to manage your files

18.8 Odystar Production Front-End

Odystar

Duration
3 days

Goal
In this course, workflow administrators learn to master the key functionalities of Odystar Production Front-End.

Learning targets
After completion of the Odystar Production Front-End course, the trainees can:
• Build typical prepress workflow canvases using Inspector
• Personalize the workflow settings for Shuttle
• Set up the different input channels for file submission to Odystar
• Use the file tags, naming templates and file/folder patterns
• Create Marks files using Decorate Editor
• Create Runlists for the ‘Join Pages’ and ‘Collect Pages’ Gateway using RunList Editor
• Edit and manage jobs using Shuttle
Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Macintosh computers – Mac Server OS would be an advantage
- Basic knowledge of graphical, prepress processes and workflows

Lessons Overview

- Creating basic workflow canvasses with standard job management, communication, pre-flight and basic production modules, which include Pitstop, Distill, Split/Join Pages and Flatten gateways with the editing tool – Inspector
- Learning different ways of submitting jobs to the workflow and interacting with Inspector or Shuttle to manage your files
- Adding extra functionality to workflows using PrePress, Merge Separations and Decorate gateways, to clean up page boxes and add DecoMarks and color bars to files
- Processing Spreads GW to split and combine readers’ and printers' pairs for publishing environments

18.9 Odystar Versioning

Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of Odystar Versioning.
Learning targets
After completion of the Odystar Versioning course, the trainees can:

- Set up the ‘Disjoin’ and ‘Fuse’ gateway in order to automate the versioning process
- Set up versioning control mechanisms using the various Compare gateways

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Macintosh computers – Mac Server OS is an advantage
- Basic knowledge of graphical, prepress processes and workflows
- Odystar Basic Workflow Module

Lessons Overview

- Adding versioning functionality to workflows using the Fuse and Disjoin gateways
- How to verify the version files, using Compare Plates and Compare Versions gateways

18.10 Odystar Prepress

Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of Odystar Prepress.

Learning targets
After completion of the Odystar Prepress course, the trainees can:
• Build typical prepress workflow canvases using Inspector
• Personalize the workflow settings for Shuttle
• Set up the different input channels for file submission to Odystar
• Use the file tags, naming templates and file/folder patterns
• Create Marks files using Decorate Editor
• Create Runlists for the ‘Join Pages’ and ‘Collect Pages’ Gateway using RunList Editor
• Edit and manage jobs using Shuttle

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Macintosh computers – Mac Server OS is an advantage
• Basic knowledge of graphical, prepress processes and workflows
• Odystar Basic Workflow Module

Lessons Overview

• Separating and Merging Separations gateways to create separated or composite PDF files
• Managing Color gateway to apply ICC color profiles on PDF files
• Flattening gateway to lower the PDF version of a file in case the files need to be sent to third party software
• Joining Pages gateway to combine several single-page PDFs into one multi-page PDF
• Preparing for Output gateway to adjust paper size, page orientation, mirror pages, apply object based screenings, add preview to files, apply web growth compensation
• Processing Spreads gateway to split and combine readers’ and printers’ pairs for publishing environments
• Running Applescript gateway to use applescripting to connect to any applescriptable application in a Mac environment
• Repeating File gateway to create step and repeat files
• New functionality in Odystar 4: scatter gateway to pick up files and place them together on a printing sheet, image to PDF gateway to convert image files into PDF files, compare Files gateway to check if there are differences between 2 files

18.11 DOTSpy
DOTSpy is a powerful quality assurance tool for checking digital films and plates. Plates and films can be opened and viewed extremely fast, even if the data is not on the same computer as DOTSpy. Viewing capabilities are very elaborate. Zooming up to dot level and measuring screen ruling, dot angles, barcodes, distances, etc. allows quality control departments to find errors before the actual plate imaging.

Duration
2 hours

Goal
In this course, plate makers learn to master the key functionalities of DOTSpy.

Learning target
After completion of the DOTSpy course, the trainees can use the various tools to check ripped files on separations, screening parameters and barcodes.

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Mac OS
- Basic knowledge of graphical and prepress processes and workflows

Lessons Overview

- Basic viewing, navigation and measurement tools
- Advanced tools to check the screening and barcodes
PackEdge is the leading packaging preproduction editor for PC.

Packaging prepress software for Windows

PackEdge is a full-featured packaging preproduction editor offering unique technologies and dedicated tools focused on your major pre-press pain points (e.g. CAD/graphics misalignments, trapping, distortion, screening, barcodes, ...). If you want to drastically reduce the cost of errors and increase the efficiency of your PC-based preproduction department, PackEdge is the answer.

As it supports all industry standard file formats, PackEdge can be integrated in any packaging workflow but due to a seamless integration with ArtiosCAD and Automation Engine, PackEdge turns the Esko Software Suite into a complete and unbeatable packaging solution.

19.1 PackEdge Basics

**Duration**
4 days

**Target audience**
In this course, pre-production editors learn to master the key functionalities of PackEdge Basics.

**Learning Targets**
After completion of the PackEdge Basics course, the trainees will be able to:

- Explain the available tools and functions both for creative and prepress production purposes
- Use the PackEdge color and ink control tools
- Use the edit tools for verification and correction of files
- Explain PackEdge's interaction with linked elements
- Add or modify barcodes
- Use Viewer to accurately simulate printed results
- Prepare the artwork for prepress production
Requirements
The following basic knowledge is required to attend the PackEdge Basic course:

- Windows
- Graphical and prepress processes and workflows

Supplied Materials
- Training Guide
- Training files

Lessons Overview
- The Power of PackEdge
- Exploring the working area
- Getting started with PackEdge
- Working with colors and inks
- Creating objects
- Editing objects
- Workflow tutorials:
  - Cleaning up the design
  - Changing images, inks, warp
  - Working with Viewer
  - Trapping the job
  - Editing the bar code
  - Final check with PRC
19.2 PackEdge PowerTrapper

**Duration**
1 day

**Goal**
In this course, Sheet Lay-out designers learn to master the key functionalities of PackEdge PowerTrapper.

**Learning targets**
After completion of the PackEdge PowerTrapper course, the trainees can:

- List the functions of the PowerTrapper
- Use the PowerTrapper as part of the Workflow
- Predefine options
- Evaluate the results

**Requirements**
Before attending this course, you should have followed the PackEdge Basics course.

**Lessons Overview**
- Trapping tools: Interactive Trapping for the most productive workflow
- Pre-defined trapping profiles to set exceptions prior to trapping
- Applying consistent high-quality trapping
- How to generate trap contours on a separate layer
- Utilizing highly interactive trapping tools

19.3 PackEdge Shrink Sleeve

**Duration**
1 day
Goal
In this course, pre-production editors learn to master the key functionalities of PackEdge Shrink Sleeve.

Learning targets
After completion of the PackEdge Shrink Sleeve course, the trainees can:
• Use the correct options in order to get the expected result
• Create the sleeve around the bottle
• Export to a VRML 3-dimensional preview

Requirements
Before attending this course, you should have the following knowledge:
• Basic knowledge of Windows
• Basic knowledge of graphical and prepress processes and workflows
• Good knowledge of PackEdge

Lessons Overview
• ShrinkSleeve tools: warp tools to compensate the distortion applied to the graphics while shrinking the sleeve around the bottle
• Exporting the result to 3D

19.4 PackEdge DesignWizard

DesignWizard tools ensure an automated creation of graphic variations. Avoiding re-entering data has a time advantage, but far more important is the virtual elimination of wrong content in a design, in a text, in a barcode, in an ingredient copy.

Duration
2 days
Goal
In this course, pre-production editors learn to master the key functionalities of PackEdge DesignWizard.

Learning targets
After completion of the PackEdge DesignWizard course, the trainees can:

- Set up an automated creation of graphic variations
- Work with DesignWizard tools
- Check different variants

Requirements
Before attending this course, you should have the following knowledge:

- Basic knowledge of Windows
- Basic knowledge of graphical and prepress processes and workflows
- Good knowledge of PackEdge and Automation Engine
- Advanced SmartNames knowledge

Lessons Overview

- What are the different DesignWizard tools
- How to use the DesignWizard tools
- Link with DesignWizard in Automation Engine (if applicable)
- Practical workshop

19.5 PackEdge InkWizard
InkWizard converts jobs to any target color space. It uses PackEdge as a host application. Both patented color sets (Pantone Hexachrome, Opaltone®, FM6, etc) and custom color sets are supported. InkWizard takes full advantage of PackEdge for optimal editability and flexibility both before and after converting to the multi color process set.

**Duration**

1 day

**Goal**

In this course, pre-production editors learn to master the key functionalities of PackEdge InkWizard.

**Learning targets**

After completion of the PackEdge InkWizard course, the trainees can:

- Gain understanding
- Apply changes

**Requirements**

Before attending this course, you should have the following knowledge:

- Working knowledge of Windows OS and Packaging Structural Design background
- Basic knowledge of PackEdge
- Basic knowledge of Color Engine
- Understanding of color spaces and profiles
- Possession of PackEdge, Color Engine and an Inkwizard License

**Lessons Overview**

- Explaining what a profile is and why you would want to change colourspace
- Explaining Color Engine profiles and how they are made
- Explaining the Inkwizard menu
- Previewing the change of colourspace
- Explaining Delta E values
- Adding Exception inks to the color change
- Editing Exception inks and adding LAB inks
- Explaining Pantone inks conversion to other ink sets
- Using technical, opaque and varnish inks
- Practical examples
19.6 SmartMarks

SmartMarks™ automatically creates print production controls like color bars, sheet corner marks, center marks and trim marks which are automatically adjusted to changes in the job: sheet or board size, plate size and number of inks. This technology can be set-up in PackEdge, Plato and i-cut Suite and applied in Automation Engine and FlexRip/FlexProof.

Duration

2 days

Goal

In this course, Sheet Lay-out designers learn to master the key functionalities of PackEdge SmartMarks.

Learning targets

After completion of the PackEdge SmartMarks course, the trainees can:

• Explain how and when to use SmartMarks
• Build SmartMarks objects
• Save SmartMarks objects as a set
• Use SmartMarks objects for various jobs

Requirements

Before attending this course, you should have the following knowledge:

• Windows OS
• Graphical and prepress processes and workflows
• Basic knowledge of PackEdge/Plato

Lessons Overview
- Working with SmartMarks
- Tutorial: Creating proofer marks
- Tutorial: Creating one SmartMarks rectangle for all inks
- Tutorial: Creating an image mark
- Tutorial: Building an ink swatch
- Tutorial: Stepping the ink swatch
- Tutorial: Building a bearer bar
20. Pack Proof

Proofing optimized for brand packaging.

Pack Proof provides color-accurate contract proofing to a selection of inkjet printers.

Brand packaging makes extensive use of designer (spot) colors and is produced using a wide range of print processes including digital print, offset, gravure and flexography with multi-color process printing. Having an accurate proof early in the life cycle sets the correct expectations and optimizes print production, avoiding costly errors and waste.

Pack Proof works closely together with Color Engine so that a consistent brand color database is used across all applications. Esko’s patented color management and ink profiling technology ensures that the final color is accurately represented on the proof, whatever the print process. Integration with Automation Engine delivers simple operation and control.

In combination with a high quality inkjet printer and proofing media, Pack Proof is an excellent solution for proofing of brand packaging.

20.1 Pack Proof Basics

Pack Proof allows you to print simultaneously to different inkjet proofing devices, using the high quality EFI drivers. This ensures high quality contract proofing and fast content proofing.

**Duration**
2 days

**Goal**
In this course, prepress operators and managers learn how to generate and verify a proof using Pack Proof.

**Learning targets**
After completion of the Pack Proof Basics course, the trainees can:

- Distinguish the different software modules
- Configure new printers
- Create proofer profiles
- Generate content and contract proofs
• Verify the proofs
• Maintain the quality of the proofs
• Create and manage spot colors
• Troubleshoot basic problems

Requirements
Before attending this training, you should have the following knowledge:
• Microsoft Windows
• Color theory (deltaE, Lab, light source, …)

Lessons Overview

• Overview of different software modules
• Configuring and working with ProofServer + Client
  • Setup printer (Epson, HP…)
  • Layout (e.g. position file on paper)
• Create proofer profile
• Setup basic proof devicelink and color strategy (against standard, e.g. ISO)
  • Import ICC profiles
  • Default devicelink settings
  • Default color strategy settings
• Proof (Pack Proof) ticket in Automation Engine
• Basic verification
  • Verification settings in Automation Engine
• Verify your proof
20.2 Pack Proof Advanced

Pack Proof allows you to print simultaneously to different inkjet proofing devices, using the high quality EFI drivers. This ensures high quality contract proofing and fast content proofing.

Duration
2 days

Goal
In this course, prepress managers and color managers learn the advanced possibilities of Pack Proof.

Learning targets
After completion of the Pack Proof Advanced course, the trainees can:

• Create and edit press profiles
• Create screened proofs
• Fine-tune proof quality
• Profile and tweak spot colors
• Verify press output and third party proofs
• Advanced troubleshooting
Requirements
Before attending this training, you should have followed the Pack Proof Basics training.

Lessons Overview

- Create press profiles
  - By measurement
  - By calculation
  - How to print the charts on press
- Edit profiles
- Export as ICC profile
- Setup dotproofing
  - Create dotgain curves
  - Dotproofing workflow in Automation Engine
- Devicelinks advanced
  - Proofing settings
  - Other devicelinks (e.g. Inkswitch)
- Color strategy advanced
  - Change process color calculation
  - Change spot color calculation
- Spot colors advanced
  - Ink profiling
  - Tweak spot colors
- Verification Tool
  - Verify non-Esko prints
20.3 Re-Proﬁling Services

Recreate your proofer proﬁles, to take your proofing to the next level.

Duration
0.5 day per proofer profile

Goal
• Replace the Esko proofer proﬁles, which are created in Suite 7.x, 10.x and 12.x.
• Create and integrate the new Esko proofer proﬁles in the existing Esko Proof conﬁguration.
• Use the new ‘standardized proofing charts’ in Color Engine Pilot.

Benefits
• Unlocking new functionality: Re-linearization
• Improved color accuracy
• Improved color stability

Requirements
• FlexProofE 14.0 or Pack Proof 14.1 or later
• Measurement device: X-Rite i1 Pro or i1 Pro2

Note: X-Rite iO table is highly recommended

• Proofer ink cartridges that are NOT expired

Steps
• Review current proofing setup
• Create new Esko proofer proﬁles
• Create new device links and color strategies
• Adapt existing proofing workflows and tickets in Automation Engine
• Test new proofing setup:
  • Workflow behavior
  • Proof quality
21. Plato

Plato creates print-ready layouts for the packaging and label industries.

**Step and Repeat for packaging and labels**

Plato is a powerful tool for the creation of print-ready layouts for the packaging and label industries. It is the production gateway between the prepress department and the press-room.

Users who benefit most include narrow web label printers, flexible packaging converters and folding carton offset printers. In each of these production environments, Plato adds control and reduces cost by bringing optimum plate layout in-house. For packaging trade shops that supply final plates or film as their core competencies, Plato brings extreme flexibility and quality to the workflow.

**Plato Basics**

Esko’s step and repeat module for grid based layouts, smart layouts and cad based layouts.

### 21.1 Plato Basics for grid-based workflows

**Duration**

2 days

**Goal**

In this course, **Sheet Lay-out designers** learn to master the basic functionalities of Plato.

**Learning targets**

After completion of the Plato Basics course for grid-based workflows, the trainees will be able to:

- Create a properly prepared one-up station file
- Create nested and numbered stations
- Create a grid based manual step and repeat file
- Create templates
- Use basic Parameter Formulas (if applicable)

**Requirements**

Before taking the Plato Basics course, you should have the following knowledge:
• Working in Windows
• Packaging workflows

**Supplied Materials**
• Example files for one-up prep
• Examples files with .ard layers for cad based stepping and repeating

**Lessons Overview**

1. Concepts and Ideas in Plato
   • Stations and Layouts
   • View Mode – Sheets and Stations
   • Workflows and Window Elements
   • Calculator and Parameter Formulas
2. Working with Plate Files
   • Create, open and save Plates
   • Create layouts
   • Layout Assistant, Grid Based Layout, CAD Layout, Manual Layout
   • Create, save, and use Templates
3. Working with stations
   • Create, edit and save stations
   • Add stations to a plate
   • Work with empty stations
   • Adjust overlapping stations (adjust masks)
   • Create nested and numbered stations
4. Working with graphics: Import, replace and position graphics
5. Working with Tools
   • Arrange objects
   • Layers, Transform Align and Pan windows
• Step and repeat grid based and nesting tools
• Smart flips (two sided printing)

21.2 Plato Basics for smart layout workflows

Duration
2 days

Goal
In this course, Sheet Lay-out designers learn to master the basic functionalities of Plato.

Learning targets
After completion of the Plato Basics course for smart layout workflows, the trainees will be able to:
• Create nested and numbered stations
• Explain how to let Plato calculate an optimal filled plate
• Create templates

Requirements
Before taking the Plato Basics course, you should have basic knowledge of:
• Working in Windows
• Packaging workflows

Supplied Materials
• Example files for one-up prep
• Examples files with .ard layers for cad based stepping and repeating

Lessons Overview

1. Concepts and Ideas in Plato
21.3 Plato Basics for CAD-based workflows

**Duration**

2 days

**Goal**

In this course, Sheet Lay-out designers learn to master the basic functionalities of Plato.
Learning targets
After completion of the Plato Basics course for CAD-based workflows, the trainees will be able to:

• Create nested and numbered stations
• Create templates
• Adjust Masks

Requirements
Before taking the Plato Basics course, you should have basic knowledge of:

• Working in Windows
• Packaging workflows

Supplied Materials
• Example files for one-up prep
• Examples files with .ard layers for cad based stepping and repeating

Lessons Overview

1. Concepts and Ideas in Plato
   • Stations and Layouts
   • View Mode – Sheets and Stations
   • Workflows and Window Elements
   • Calculator and Parameter Formulas

2. Working with Plate Files
   • Create, open and save Plates
   • Create layouts
   • Layout Assistant, Grid Based Layout, CAD Layout, Manual Layout
   • Create, save, and use Templates

3. Working with stations
   • Create, edit and save stations
   • Add stations to a plate
• Work with empty stations
• Adjust overlapping stations (adjust masks)
• Create nested and numbered stations

4. Working with graphics: Import, replace and position graphics
5. Working with Tools
• Arrange objects
• Layers, Transform Align and Pan windows
• Step and repeat grid based and nesting tools
• Smart flips (two sided printing)
22. Studio

3D design tools for packaging pros.

Packaging Software for 3D Package Design
Why work in a flat world if packaging is not? Studio is a unique set of tools for 3D packaging design made specifically for packaging artwork professionals.

Studio will help you produce better artwork. Whether you are a designer trying out different ideas, or a prepress operator checking a back-match, with Studio you are virtually holding the package in your hands.

Studio is also a powerful communication tool. It lets you create exciting 3D visuals to show to your client, ranging from PDF files with 3D content to movies, or a virtual packshot.

Other 3D tools can be complicated. It can take hours to model and render an image. Studio is fast and easy, because it integrates with your tools (like Adobe® Illustrator®), it works with your data and speaks the language of packaging.

22.1 Studio Toolkit for Boxes

Studio is a plug-in for Illustrator for interactive 3D packaging design. This Toolkit, provides several ways to make or modify a box.

Duration
4 hours

Goal
Operators learn to master key functionalities in Studio Toolkit for Boxes to create interactive 3D basic box designs.

Learning targets
- Create crease and fold lines to enable the folding of basic boxes
- View artwork on the 3D package design almost instantaneously
- Create Collada, 3D PDF and ArtiosCAD files
Requirements
- Basic knowledge of graphical and prepress processes and workflows
- Basic knowledge of Adobe Illustrator
- Basic knowledge of packaging production procedures

Lessons Overview
1. Overview
2. Structure
   - Fold window (cut, crease and fold lines)
   - Selecting the base panel
   - Settings for gaps and creases
   - Selecting substrate (board) and substrate settings (thickness, etc.)
   - Folding angles
   - Optional views (2D)
   - Output file type (ArtiosCAD)
3. Graphic Art
   - Incorporating your design onto your structure
   - Artwork orientation
   - Updating your artwork instantaneously
   - Navigation around your 3D file within the Studio window
   - Exploring more options within the drop down window (top right corner)
4. Exporting Your Final Design
   - Located in drop down window
   - File type as PDF with 3D Design
   - View and navigate in Adobe Reader
5. Creating a Basic Box
   - Create basic box dialog
   - Box dimensions
   - Selecting front and base panels
   - 3D preview of basic box design
   - Angle modification capabilities
   - Importing design onto a locked layer in Adobe Illustrator
6. Further Exploration
• Creating a basic box based on die lines
• Checking and solving inaccuracies
• Folding an ArtiosCAD file

22.2 Studio Toolkit for Flexibles

Studio Toolkit is an application that allows you to design and create flexible packages like potato chips bags, candy bar wrappers, stand-up pouches and diaper bags, to name but a few of the many possibilities.

Duration
4 hours

Goal
Learn to utilize tools within Studio Toolkit for Flexibles, an application used to design and create flexible packaging.

Learning targets
• Create flexible packaging
• View artwork on the 3D package design almost instantaneously
• Create Collada and 3D PDF files

Requirements
• Basic knowledge of graphical and prepress processes and workflows
• Basic knowledge of Adobe Illustrator
• Basic knowledge of packaging production procedures

Lessons Overview
1. Overview
2. Supported Packaging Types
3. Interface Navigation
   • The welcome window
     • Creating a new bag or opening an existing bag
   • The new flexible document assistant
     • Bag name
     • Dimensions
• Back Seal

• Tools palette, document window, control window
  • Document window
  • Tools Palette
  • Control Window
  • Shape Section (stiffness and rounding)
  • Appearance Section (substrate color, scene color, preview image)

• Tools
  • Overview of each tool’s function

• Shortcuts

4. Common Tasks

• Creating a new bag

• Manipulating the views
  • 2D and 3D
  • Pan/rotate tool
  • Zoom

• Changing the appearance of the bag
  • Reflection View
  • Background and substrate color
  • Substrate Shading
  • Floor Reflection
  • Preview image

• Changing the shape
  • Live Shaping
  • Air and liquid content
  • Smoothing or wrinkling the shape
  • Polygon mesh
  • Pullers
  • Fold lines
22.3 Studio Toolkit for Labels

Studio Toolkit for Labels consists of two parts: the Labels functionality in the Studio Toolkit application, and the Studio Toolkit for Labels Illustrator plug-in. Studio Toolkit for Labels allows the user to create a model and place a label onto it.

Duration
4 hours

Goal
Operators will be taught how to successfully create a flexible label within Studio Toolkit for Labels plug-in and Studio Toolkit.

Learning targets
- Accurately predict distortion
- View labels on models
- View artwork on the 3D package design almost instantaneously
- Create Collada, 3D PDF and ArtiosCAD files

Requirements
- Basic knowledge of graphical and prepress processes and workflows
- Basic knowledge of Adobe Illustrator
- Basic knowledge of packaging production procedures
Lessons Overview

1. **Overview**
   - Shapes with or without labels
   - Output is a Collada file

2. **Creating a Profile Path**
   - Adobe Illustrator paths
   - Half profiles, full profiles, multi-part profiles
   - Connect and clean function
   - Profile layer

3. **Revolve and add labels**
   - Revolve
     - Revolve and add labels window
   - Axis
   - Material
   - Color
   - Add labels
     - Label options
   - Name of label
   - Width
   - Overlap
   - Height
     - Radius (radius settings)
   - Distortion

4. **Conical Warp**
   - Applying conical warping
   - Reverse conical warping

5. **Using Collada files in the Structural Design plug-in**
   - Multiple printable parts in structural design

6. **Using a Collada file in Studio Designer**
   - 3D guides

7. **Learn to create Labels within Studio Toolkit**
   - Importing model
   - Adding label area
8. Learn to Create Labels in Studio Toolkit

- Painting labels onto models
- Using the tools within toolkit
- Exporting your model with label

22.4 Studio Toolkit for Shrink Sleeves

Studio Toolkit for Shrink Sleeves consists of two parts: the Shrink Sleeve functionality in the Studio Toolkit application, and the Studio Toolkit for Shrink Sleeves Illustrator plug-in. It contains functionality to easily and with precision wrap a shrink sleeve around one or more 3D objects. Using the Illustrator plug-in you can predistort artwork, to compensate for the deformation that will occur during the shrink process.

Duration
4 hours

Goal
Users learn how to precisely wrap a shrink sleeve within Esko’s Studio Toolkit for Shrink Sleeves.

Learning targets
- View artwork on the 3D package design almost instantaneously
- Learn to wrap shrink sleeves around models
- Accurately predict warp and distortion
- Create Collada and 3D PDF files

Requirements
- Basic knowledge of graphical and prepress processes and workflows
- Basic knowledge of Adobe Illustrator
- Basic knowledge of packaging production procedures

Lessons Overview
1. Overview
2. Distortion and predistortion
3. Multipacks
• Obtaining a 3D file for the container
• Create shrink sleeve structure
  • Repeat button
  • Add a sleeve
  • Adjusting the sleeve
  • Adjusting the preview print
  • Simulate the print process
• Apply artwork
• Artwork predistortion
23. Visualizer

Visualizer adds the finishing touch. Its patented dynamic print visualization can show a wide range of substrates, printing and finishing effects in real-time. With Visualizer you can share the results as images or movies.

23.1 Visualizer

**Duration**
1 day

**Goal**
In this course, proof designers learn to master the key functionalities of Visualizer.

**Learning targets**
After completion of the Visualizer course, the trainees will be able to:

- List the different possible workflows in Visualizer
- Explain basic concepts of Visualizer such as Effects, Actions, Operation, Operation Stack, spot color layers, Process color layer
- Prepare the graphics files for Visualizer
- Apply different effects, create a back side, change scenes, give different shapes to the file like cylinder, flexible form, hard basic box, import ArtiosCAD files
- Present the Visualizer files
- Create different kind of output files

**Requirements**
Before taking the Visualizer course, you should have basic knowledge of Illustrator.

**Lessons Overview**
• Preparing the graphic file for Visualizer
• Importing PDF files
• Uploading structure files like Bag files and ArtiosCAD files (if requested)
• Working with different effects, substrate types and color books
• Setting up the correct environment scene and creating own scenes
• Creating a back side
• Outputting to an image file or movie files
24. WebCenter

A powerful web-based platform that manages your pre-production approval and project life cycle. WebCenter incorporates Esko’s vast experience and expertise in the field of packaging & print industry. This great online tool is the answer to different communication challenges of the packaging & print supply chain.

24.1 WebCenter Basics

**Duration**
2 days

**Goal**
In this course, workflow administrators and/or prepress operators learn to master the key functionalities of WebCenter Basics.

**Learning targets**
After completion of the WebCenter Basics course, the trainees can:

- Explain the basic operation of WebCenter
- Create projects, folders and add documents
- Set up an approval cycle
- Integrate WebCenter in a Workflow
- Use WebCenter as an online archive
- Configure, maintain and customize WebCenter

**Requirements**
Before attending this course, you should have basic knowledge of Windows.
Lessons Overview

- Introduction
  - WebCenter scope
  - Navigating through WebCenter menus
- User management
  - Creating users
  - User preferences: Home Page, Viewer, language, menus...
  - User types (normal users vs. project managers vs. administrators)
  - Defining groups, group placeholders and companies
  - WebCenter licensing model
- Projects
  - Project definition
  - Creating a project
  - Project members (adding members and setting privileges)
  - Setting attributes and characteristics
  - Project templates
  - Notification
- Handling documents
  - Adding documents
  - Uploading documents (single/multiple)
  - Document versions
  - Document information
  - Document history
  - Document attributes
- Viewer
• Viewing documents
• **Viewer** Tools (Viewing tool, measuring tools)
  • Annotation tools (Annotation tools & Annotation Panel)
• Advanced **Viewer** tools (Prepress tools, CAD tools - if applicable)
• Compare Tools (view differences between versions)
• Using the search engine
  • Documents
  • Projects
  • Tasks
  • Saved Searches
• WebCenter approval
  • Setting up an approval cycle (starting and stopping the cycle)
  • Workflow integration (approval cycle with Automation Engine, Nexus and Odystar)
  • Approval users
  • Notification
  • Approving (in Project, in **Viewer** ...)
• Attributes
  • Creating Attributes
  • Creating Restricted Sets
  • Applying Attributes into Attribute Categories
• Customizing the user interface
  • My work setup
  • Menus
  • WebCenter instances deployment tool
  • Basic customization
• Configuration
  • Email Configuration
  • User, group, company setup
  • Push Through
  • Workflow Connections
• Backup
• Filestore (clean up)
• Database backup

24.2 WebCenter Life Cycle Management

Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of WebCenter Life Cycle Management.

Learning target
After completion of the WebCenter Life Cycle Management course, the trainee will be able to design a life cycle process and a dynamic request form to efficiently manage projects.

Requirements
Before attending this course, you should have followed the WebCenter Basics course.

Lessons Overview

• Introduction
  • WebCenter Life Cycle Management scope
  • Examples
• Setup WebCenter Life Cycle Management
  • Creating Task Types
  • Creating Task Specifications
  • Creating customized Task Statuses
• Using Task Specifications, Task Checklists in Tasks
• Creating a Task in a Project
• Workflow implementation
  • Creating a Task in a Template
  • User assignment
  • Chaining tasks
  • Notification
  • Linking documents to a task
• Request Form
  • Creating Attributes, Restricted Sets, Attribute Categories
  • Creating Characteristics
  • Creating a Request Form

24.3 WebCenter Advanced Approval

Duration
1 day

Goal
In this course, workflow administrators learn to master the key functionalities of WebCenter Advanced Approval. It is an addition to the single approval from the basic training. It is used by customers who have a lot of different stages during the approval cycle.

Learning targets
After completion of the WebCenter Advanced Approval course, the trainees will be able to setup advanced approval workflows.

Requirements
Before attending this course, you should have followed the WebCenter Basics course.
Lessons Overview

- Introduction
  - WebCenter Advanced Approval scope
- Setup WebCenter Advanced Approval
  - Creating multiple approval stages
  - Setting up different stages and options
  - Using ‘Place Holders’ in staged approval
  - Setting up staged approval for next version
- Notification setup
- Starting with WebCenter Staged Approval
  - Project approval
  - Folder approval
  - Document approval
  - Staged approval for next version
- 3D-Viewing
  - Using WebCenter Viewer to view your document in 3D