IN-Files

PDF | JPG | PNG | EPS
PS | XML | DOC | ...

print data

CUSTOMERS

Preflighting

Inksaving

File Editing

Direct DFE Connection

Graphic/Image Control

Nesting

Cutting

WORKFLOW MANAGEMENT SYSTEM

FINISHING MACHINE

DIGITAL WIDE FORMAT PRINTING MACHINE
(Roll and sheet-fed printing)

wide format AS

WIDE FORMAT
AUTOMATION SUITE

For maximum press utilisation and quicker turnarounds

Many orders, small quantities. This is the classic situation for print and advertising service providers. The bottlenecks usually arise during data preparation in the prepress stage. Press utilisation suffers and, ultimately, so does profitability. The Wide Format Automation Suite automates prepress and ensures that you can process more jobs in the same time.

THE PERFECT INTERPLAY BETWEEN YOUR PRINTING PRESSES AND THE WIDE FORMAT AUTOMATION SUITE GETS YOU THERE!

MORE AUTOMATION

- Higher productivity thanks to high automation of time-consuming manual work (corrections, adjustments, etc.)
- Simplifies incoming file structures guaranteeing errorless and faster RIP processing speeds

LESS COSTS

- Improved press utilisation and reduced paper waste
- Shorter set-up times result in increased throughput

HIGHER QUALITY

- Fully automated quality checks and optimisation of print files for maximum print file quality

MORE FLEXIBILITY

- Adjust and automate your prodution processes at any time and adapt it flexibly to your production requirements thanks to modular set-up

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OVERVIEW FEATURES AND FUNCTIONS:
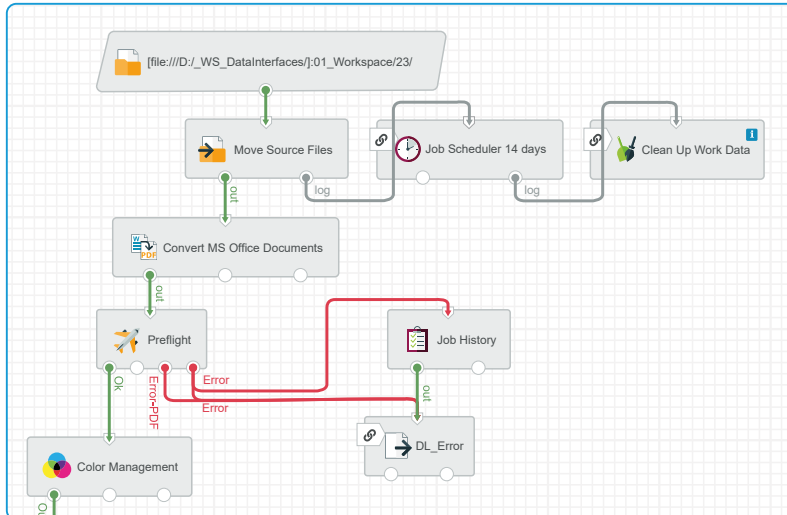
THE WIDE FORMAT AUTOMATION SUITE INCLUDES:

- **A workflow management system** that enables you to define your production steps digitally, run them automatically and keep your workflow flexible (by allowing workflows based on metadata, file names or barcodes)
- **Fully automated quality control of print files** at the prepress stage with subsequent optimization for errorless, print-ready files incl. preflight, flatten transparencies, file normalization, etc.
- **Nesting:** an automated, extremely fast nesting technology that lets virtually eradicate waste completely

- **Significant saving potentials** in terms of substrate, ink costs and processing time
- **Tiling and Paneling:** file formats that are larger than the maximum print format can be automatically tiled/paneled and split into multiple files for production
- **Cut Line Manager:** accepts all cut line types and names
- **Page / File Editor:** a user-friendly page / file editor to make last minute changes
- **Direct DFE Connection:** downstream printing presses can be addressed directly with the optimized file

OneVision's Wide Format Automation Suite comes in two flavors: Access and Pro.

Function:	Wide Format Automation Suite	
	Access	Pro
Workflow Management System: job tickets, metadata based workflows, drag-and-drop workflow editor	✓	✓
Prepress solution: preflight, color management, flattening transparencies, creation of printmarks and barcodes, normalisation	✓	✓
Automatic merging of cut lines	✓	✓
Individually selectable numbers of copies	✓	✓
Nesting	✓	✓
Cut line manager: accepts all cut line types and names	✓	✓
Auto correction of broken or incomplete cut lines	✓	✓
Create varnish masks, white masks, missing bleed	✓	✓
DFE connection	✓	✓
Tiling and Paneling	✓	✓
Extended prepress solution: find barcodes, merge documents, cut spreads, output as images or EPS, overlay pages		✓
Universal PDF editor		✓
Inksave		✓

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WORKFLOW MANAGER:

With the Workflow Manager, assembly lines can be created in a very user-friendly way using the intuitive drag & drop editor and modified flexibly at any time so that your production workflow will run automatically in future. The number of workflows is unlimited. All production lines can be clearly listed, filtered and sorted in the Workflow Manager.

CUT LINE MANAGER:

Incoming jobs may use different names for their cut lines and also some of them might be broken or incomplete. The Suite fixes all issues automatically – all cut line names are accepted.

AUTO-PREPRESS:

Identifying files that interrupt your production – and cost you money – is still a challenge. OneVision has all the relevant tools in place to identify any issue, to autorepair typical errors, to colour manage the files to the output profile you need, to reliably flatten transparencies, to normalise files (= files are output according to your specific print requirement and compliant to ISO standards ensuring the compatibility with all other hardware and software you might use).

NESTING:

The complete automated solution reduces waste to an absolute minimum. OneVision's technology will automatically position complex shapes whilst maximising material usage and creates a separate PDF with only the cut lines that can be used by the cutter.

Auto ganging output created with the freeform nesting module

Extracted form for the cutter

SYSTEM REQUIREMENTS*:

REQUIREMENTS FOR SERVERS WITH WORKSPACE, ASURA FAMILY

Please note that the information below is a minimum requirement. Depending on the application and environment, more powerful system equipment may be required.

	Windows	Linux
Operating system	• Windows Server 2008 R2, Service Pack 1 • Windows Server 2012 • Windows Server 2012 R2 • Windows Server 2016 (Server-Core / Nano versions are not supported) • Windows 7 Professional, Service Pack 1, 64 Bit • Windows 7 Ultimate Edition, Service Pack 1, 64 Bit • Windows 8.1 Pro, 64 Bit • Windows 10 Pro/Enterprise, 64 Bit	• CentOS 7.2+, 64-Bit (x86-64) • Red Hat Enterprise Linux (RHEL) 7.2+, 64bit (x86-64) • Suse Linux Enterprise Server (SLES) 12+, 64bit (x86-64)
Processor	CPU with support for SSE, SSE2, SSE3, and SSSE3 or SSE3S e.g.: Intel Core 2 Quad; 2.5 GHz or faster / compatible (AMD CPUs need to be checked for SSSE3 or SSE3S compatibility.) Regarding cores the following applies: • 2 cores for Workspace • 2 more cores for each Asura instance	
Main memory	16 GB RAM or more for Workspace and 1 instance of Asura or Asura Access	
Virtual memory	16 GB minimum size; recommended virtual memory between 20 and 32 GB	
Hard disk	80 GB minimum available space for operating system and Workspace; at least 150 GB more for working data	
Filesystems	NTFS (no FAT / FAT32 / exFat / ReFS)	EXT4 recommended for optimal performance. XFS / BTRFS working but might be slower.
Screen resolution	Support for 24-bit color at 1152 x 864 resolution minimum	Text console sufficient, no graphical interface required.
Network	TCP/IP services and an active network connection are required. Also no Antivirus or Threat-protection or Firewall may interfere the communication between server and client, and locally as well.	TCP/IP services and an active network connection are required. Also no Antivirus or Threat-protection or Firewall may interfere the communication between server and client, and locally as well.
Browser support	The current versions of following browsers are supported for accessing Workspace server pages: • Mozilla Firefox (recommended), • Google Chrome (recommended), • Apple Safari, • Opera, • Microsoft Internet Explorer 11 (fully patched)	

*subject to modifications

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