Symphony Flexo Core Specifications

Standard Workstation Hardware

- To suit production needs. Call for details.

Network

- Queues appear as printers in Mac OS and Windows
- Works with Windows® XP/7/8
- Hot Folders feature for Windows and Mac OS X workstations
- LPR support

Standard Features

- Adobe® PDF Print Engine (APPE) and Adobe® PostScript® 3™ support
- Monitor Preview, Trap Preview, and Preflight
- Supports monochrome, process color and spot color files
- PANTONE® MATCHING SYSTEM solid coated, solid uncoated, solid matte, and PANTONE Goe coated color libraries support
- Advanced Proofing features
- Agfa® Balanced Screening for Flexo
- Adobe Accurate Screens
- Linearization and Dot Gain Compensation wizards
- Accepts PostScript, EPS, TIFF and PDF files
- Custom Job Queuing (ticketing) with drag and drop feature
- PDF support (CPSI, APPE), outputs PDF proof files
- RasterView™ full resolution preview with Ink Usage Calculator, CIP3 support, Screen Angle and Density Check Tool
- Step & Repeat and internal Die Database
- Automatic Distortion
- Custom Bearer Bars with enhanced Flexo Markup
- Dot Sweep - Background noise remover
- SmartDie™ automated file preparation

Optional Features

- Adobe® In-Rip Trapping with TrapZone
- StripRITE™ Raster Imposition
- Freeform Ganging
- KoolKolor™ Inkjet Proofing System
- KoolToning™ Inkjet Halftone Simulation for inkjet proofs
- PerfectBLEND™ Flexo Hybrid screening for calibrated minimum digital dot heights necessary for carbon mask and laminated Flexo plates.
- Symphony Remote, remote workstation RIP control
- Export proof, save, preview and email raster files directly from the Symphony Flexo workstation
- NetImager - Remote device driver
- TIFF-out to 5080 dpi + PS-out drivers

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DEVICE SUPPORT AND IMAGE QUALITY

Symphony Flexo's multi-device control allows you to drive a variety of output devices including platesetters, imagesetters, laser printers, digital color presses, inkjet printers and plotters, from a single RIP workstation. This centralized control helps to maintain file integrity and image quality.

Two Adobe® Print Engines: Symphony Flexo includes two powerful interpreter technologies to ensure you get reliable image quality. The Adobe® PostScript® 3™ interpreter ensures compatibility with your existing Windows, Mac, or Unix/Linux PostScript workflows. The Adobe® PDF Print Engine (APPE) produces the highest quality output for PDF files that include graphically rich content such as transparency, spot or custom colors.

Screening Technologies: Adobe® Accurate Screens, Agfa® Balanced Screening for Flexo (with true round dots) and PerfectBLEND™ Flexo transitional screening. PerfectBLEND™ Flexo combines the benefits of traditional AM and FM screening allowing you to print higher linescreens and gradient vignettes.

FM Screening

AM Screening   PerfectBLEND
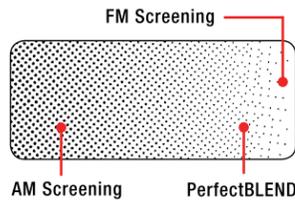
Dot Sweep - Rasterized Dot & Speck Remover: All high resolution digital plate devices often produce small troublesome spot sizes and artifacts which hampers image quality. Our exclusive dot removal technology resolves this problem by analyzing the finished raster image and then removing troublesome areas.

Linearization & Dot Gain Compensation: The Linearization & Dot Gain Compensation Wizards let you precisely calibrate your imagesetter and "fingerprint" your press. You can create specific profiles for each press and job scenario to help maintain color and image quality. You can also edit your saved Linearization & Dot Gain curves on the fly.
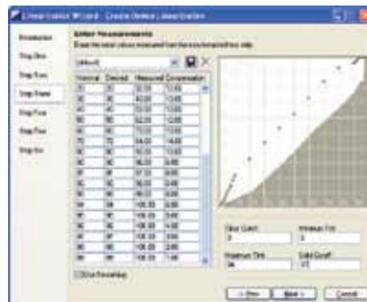
OpenRIP Remote: Control rasterized files on Symphony Flexo from remote Mac OS X and Windows workstations. Preview rasterized files and send them to specific output devices. You can also produce PDF, TIFF and JPEG files for soft proofing at workstations or for emailing directly to customers.

NetImager: Your RIP is no longer bound by the length of your imagesetter cable. NetImager allows the Symphony Flexo RIP drive remote output devices that are located in another part of the shop.

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The all-in-one combined RIP / Prepress Workflow

Adobe® PDF Print Engine

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Adobe® PostScript® 3™

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Symphony Flexo is an all-in-one PDF workflow designed specifically for flexo prepress production. It allows operators to handle complex digital files to meet flexography's demanding production needs. It features the Adobe® PDF Print Engine and Adobe® PostScript® 3™ interpreter, and drives platesetters, imagesetters, digital color presses, laser printers, inkjet printers and plotters, from a single state-of-the art RIP.

PREPRESS AUTOMATION

Symphony Flexo increases prepress production and reduces human error by performing the more time consuming, error-prone tasks for you. It can automatically apply the correct die, steps, distortion, marks, bearer bars, trapping, resolution, linescreen, screen type and dot corrections. This allows prepress operators to prepare artwork in a simple one-up format.

Resident Die Database: Symphony Flexo's exclusive Die Database is centrally located within the workflow and allows you to create, edit and store custom die templates to suit an unlimited amount of production scenarios. Operators can quickly select the correct die for specific jobs, batch process a group of jobs, or use the automated SmartDie feature. Other features include stagger and double burn overlapping for added flexibility.

SmartDie Prepress Automation: File set-up has never been so fast or easy! Simply tag your PS, EPS or PDF files with a SmartDie number and Symphony Flexo instantly applies the correct die, steps, gaps, bearer bars, marks and distortion.

Flexo Settings Ticket Editor: Rotate 90, 180, and 270 degrees.

Xante Flexo DieDatabase: Rotate your step-and-repeat labels to your desired Top, Bottom, Right or Left "OFF FIRST" position.

Enhanced Flexo Markup: Now Symphony Flexo delivers more control over printer's marks and provides more bearer bar options. Apply standard bearer bars, or your own custom bearer bars automatically to your stepped images. Set the desired bearer bar gaps, margins, cut marks, register marks and file information. When using standard bearer bars you can screen them back to 25% or 50% to reduce ink build-up. Color density swatches may also be added to ensure color quality and consistency.
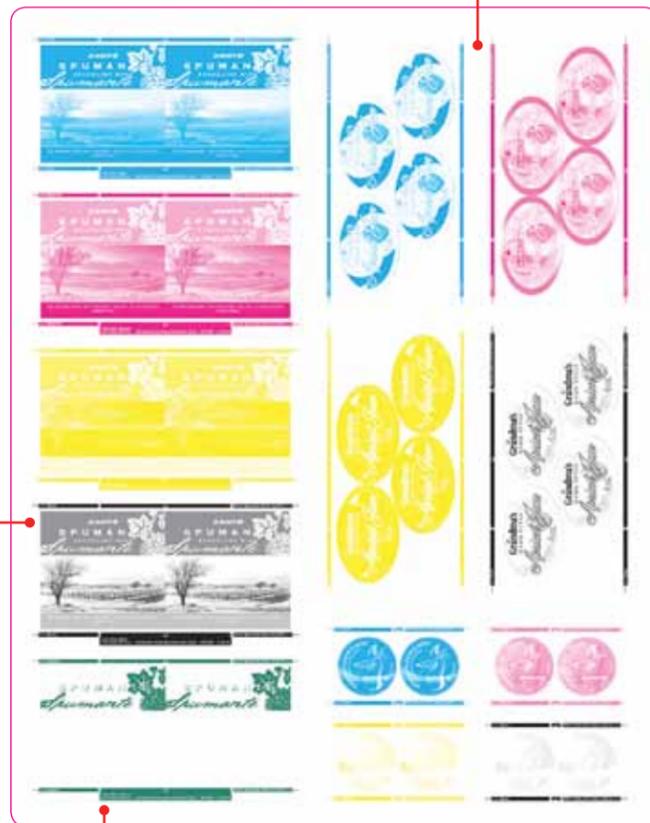
New Freeform Ganging: Whether you are outputting proofs, film, or flexo plates, you save money when you use media efficiently. Symphony Flexo's new Freeform Ganging feature lets you group multiple jobs on a single proof or output page to cut down on imaging time and save media. Separations from individual jobs can also be placed across the media.

In-RIP Trapping with TrapZone™: Perform complex trapping tasks quickly and easily using Adobe® In-RIP Trapping and TrapZone™. Trap vector, raster, CT, or 1-bit files to each other while controlling sliding traps, miter trap joins, and "keep-aways". TrapZone™ allows you to select regions through Monitor Preview and apply different trap settings.

END-TO-END COLOR MANAGED-WORKFLOW

Symphony Flexo provides a color-managed workflow from preview, to proof, to plate. See the effects of rich black, overprints, knockouts, and traps on screen and on the inkjet proof, along with dramatically improved process and spot color representation.

Monitor Preview: Catch file and setup problems before you waste production time and expensive media. Check page elements, bleeds, imposition layouts and color separations (in composite and separated modes). Actually see the differences between black and rich black, traps, overprints, and spot colors that overprint halftones dots.
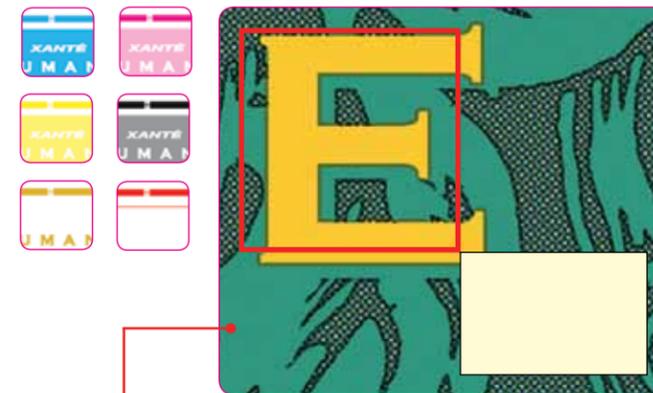
RasterView™: Examine rasterized files at full output resolution. Check separations, traps, halftone screens, tint values and screen angles. Also includes ink usage calculator, CIP 3 support, screen angle and density check tools.

Zoom Raster: Now you can carefully examine your final raster file before commiting to a plate with our new zoom raster feature. This will allow you to see the job as close to 1600% and out to a full view at 10%.

ExportProof Button: Conveniently create an accurate final rasterized PDF, TIFF or JPG ExportProof while viewing the job in RasterView™.

Built-in PANTONE® Color Libraries: PANTONE® Coated, Uncoated, Matte color, and new Goe Coated Libraries, are now included in Symphony Flexo's spot color data-base for improved Spot Color rendering in monitor previews and Inkjet proofs.

KoolKolor™ Inkjet Proofing: Create vibrant, color accurate proofs from a variety of inkjet printers and plotters. Simplified color management controls make it easy to choose the correct settings and profiles for specific printers, plotters and media. The new built-in PANTONE® color libraries allow you to print spot colors with improved color accuracy.

Advanced (Inkjet) Proofing: Print and combine any combination of colors in multi-color jobs, assign new colors or edit colors to specified percentages to reduce their tonal value. You can also print die lines or key lines separately in inkjet film.

KoolToning™ Halftone Simulator: Get inkjet proofs with the actual halftone dots and screen angles you have specified for your job.
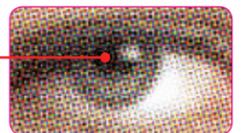
ExportProof: Save raster files as PDFs, TIFFs and JPEGs to preview at workstations, E-mail to customers, or create a proof with the same resolution as the print job.

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