Table of Contents

Prinergy Evo 1.0 Specifications – General Features 2
Prinergy Evo 1.0 Specifications - Optional Features 6
Standard Workflow Configurations 8
Prinergy Evo 1.0 Specifications – Output 8
Prinergy Evo 1.0 Specifications – Refine 10
Prinergy Evo 1.0 Specifications – Refine and output 11
Prinergy Evo 1.0 Specifications – Refine, trap, proof and Output 14

PRINERGY EVO 1.0 SPECIFICATIONS – GENERAL FEATURES

Product Description	Prinergy Evo is a modular, affordable PDF Digital Front End. Prinergy Evo product configurations are available that cover many prepress tasks including Refining PDF (OPI, Normalize, optimize, colour management and trapping) and output to file, proofers, CtF and CtP. Prinergy Evo allows import, processing, proofing and output of single PDF pages and impositions in JDF and PJTF format. Prinergy Evo is designed for simple, automated operation from the desktop. Process Templates are associated with file input mechanisms that apply specific user choices for processing. The user can: • Initiate processing by submitting input page or imposition to a hot folder • Initiate processing by client printing to LPR print spooler • Initiate processing by using client application ('template palette') • Monitor progress and processing history • Highlight errors and warnings for processes • View the processing queues Prinergy Evo runs on Windows 2000 Server, with Macintosh OS/9.2.2, or later, and OSX 10.2, or later, client interfaces. Prinergy Evo includes licenses for five clients to operate simultaneously. Additional licenses are available as an option.
Prerequisites	Network: a switched 100Base-TX or better Ethernet hub running TCP/IP for connecting the Mac clients, the Windows server, and output devices. Client configuration: Mac running Mac OS/9.2.2 or later or OS/10.2 or later. Adobe Acrobat v5 on OS 9.2.2, v5 or v6 on OS X (Adobe Acrobat is not included in the purchase price of the software). Internet Explorer 5.1 or later. Broadband access directly to the server to enable remote support and updates (or modem line for dial-in support if broadband is not available) Creo Preps 4.2.3 or later required for creating impositions in JDF or PJTF Job Ticket format.
Installation	Prinergy Evo is available in a factory-installed configuration on servers purchased from Creo. To help ensure that the installed system is configured correctly, Creo will provide a Creo engineer on-site for one day. Successful installation will be verified by performing the Prinergy Evo Installation Test Plan (ITP). Additional on-site services can be provided at Creo standard rates.

<table>
<tr><td>Software Delivery</td><td>Prinergy Evo is supplied on DVD with Windows server and Macintosh client installers.
A back-up CD of the factory installed server operating system is also provided.
Prinergy Evo application updates are delivered via an online service over the Internet.</td></tr>
<tr><td>Languages Supported</td><td>English – Server and Client Software, running on English language operating systems
(Prinergy Evo 1.0 is currently being translated into French, German, Spanish, Chinese (Simplified) and Japanese.)</td></tr>
<tr><td>Server Hardware Supplied</td><td>Prinergy Evo is available on the Creo Premium Workflow Server or the Creo Performance Workflow Server platforms. See the Prinergy Evo Workflow Server Comparison document for details.</td></tr>
<tr><td>Minimum Client Hardware Supported</td><td>Processor: G3, 300 MHz or faster (G4 500 Mhz, or faster, recommended)
Operating System: OS 9.2.2, OS X 10.2 or later
Hard disk drive: 40 MB available
Network connectivity: 100 BASE-T or faster
Monitor: 15" (800 x 600 resolution) or larger
<table>
<tr><td colspan="3">Macintosh Memory Recommendation:</td></tr>
<tr><td></td><td>OS 9.2.2 or later</td><td>OS X.2 or later</td></tr>
<tr><td>Operating System[1]</td><td>128 MB</td><td>256 MB</td></tr>
<tr><td>Prinergy Evo Suite[2]</td><td>256 MB</td><td>256 MB</td></tr>
<tr><td>Adobe Acrobat 6[3]</td><td>128 MB</td><td>128 MB</td></tr>
<tr><td>Total Recommendation[4]</td><td>512 MB</td><td>640 MB</td></tr>
<tr><td colspan="3">Notes:
1. Accurate at time of publication, refer to www.apple.com for any further details.
2. The Prinergy Evo Suite includes the Prinergy Evo Client, the process template editor and Creo Virtual Proofing System in the Refine, Trap, Output and Proof configuration.
3. Accurate at time of publication, refer to www.adobe.com for any further details.
4. Any additional prepress software installed will consume additional memory over and above this recommendation.</td></tr>
</table></td></tr>
<tr><td>Performance</td><td>Refer to the System Performance Benchmarks Document</td></tr>
</table>

Digital Documentation	Prinergy Evo client On-line Help Prinergy Evo Administrator On-line Help Prinergy Evo System Administrator Guide Harmony User Guide for Prinergy Staccato User Guide for Prinergy Print Console Quick Start Guide Print Console On-line Help CS Xpose On-line Help Prinergy Evo to Dolev 800V Family User Guide Prinergy Evo to Lotem 800II / Lotem Quantum Family User Guide Prinergy Evo Self-paced Learning Package Prinergy Evo to Print Console Technical Bulletin Prinergy Evo to Integris Connectivity Technical Bulletin Configuring Prinergy Evo to Output Proofs to Veris Release Notes
Printed Documentation	Prinergy Evo Quick Reference Card
Training Package *optional	Prinergy Evo has a self-paced learning package that includes: • Learning Path Outline • Learner Self-Study Guide • Learner Task-Oriented Activity Package. On-site training is available charged on a daily basis, if required (not available in all locales)*

Service Package *optional	Remote Support Plan* • Telephone support hours of coverage 13 x 5 (8 a.m. to 9 p.m. local time, Mon.- Fri., excluding local holidays) • eCentral Access • Software updates (not new features) • On-Site coverage is not included Additional Service Coverage/Essential* Includes all the features of the Remote plan plus: • On-site labour • Must be pre-paid at time of purchase • Non-renewable Full Service Coverage * Includes all the features of the Remote plan plus: • On-site labour • Software upgrades (includes new features; new licensable features may have additional charges). • Access to emergency weekend support If part of a system solution including a CtP or CtF device, the Prinergy Evo support level should be set to the same level as for the CtP or CtF device.

PRINERGY EVO 1.0 SPECIFICATIONS - OPTIONAL FEATURES

Optional software and licenses are not included in the price of standard workflow configurations but are available for an additional charge.

Optional Software	Prinergy Evo Job Ticket Processors • Standard Batch Trapping Engine • Advanced Batch Trapping Engine • OPI • Advanced Color Management (ICC Color profile management) • Client 5 Pack (5 seats of UI, VPS) • Standard and Advanced Trap Editor (Acrobat plug-in, 1 seat, floating)
Optional Connectivity	Computer to Film via CSXpose • 8-up Creo Imagesetter Control Software Computer to Plate via CSXpose or Print Console • 4-up Creo CtP Device Control Software • 8-up Creo CtP Device Control Software • VLF Creo CtP Device Control Software Proofing Connectivity • Lo-Res Proofing Kit (up to 720 dpi) • Hi-Res Proofing Kit (721 dpi and above)
Screening Options (subject to capability of output device)	• Staccato 10 Series • Staccato 20 Series • Staccato 25 Series
Input File Formats **Note:** The 'output' standard workflow configuration of Prinergy Evo only supports PDF and populated job ticket input.	Prinergy Evo supports the following input file formats: • PDF 1.2, 1.3 and 1.4 & 1.5 generated by Acrobat 3.0, Acrobat 4.0. AND Acrobat 5.0 & 6.0. PDF/X-1a. • Populated job tickets in PJTF and JDF format (From Creo Preps 4.2.3 or later) • PostScript Level 2, PostScript Level 3, DCS, EPS.

Output File Formats	Prinergy Evo supports the following output file formats: • Raster EPS, both 1-bit and 8-bit • Raster DCS, both 1-bit and 8-bit • HP RTL, 1-bit • Creo CT, 8-bit (composite only) • RGB JPEG • VPS files • TIFF 1-bit • TIFF 8-bit • TIFF composite (8-bit only)
Output	There are the following means of connecting to output devices; connectivity depending on purchased options • Direct Connectivity (e.g.: Trendsetter) • Print Spooling (e.g.: HP 1050) • File Output into Folder (e.g.: Integris) Refer to Prinergy Evo Device Connectivity Specification for more information.
Supported Font Formats	Postscript Fonts stored in Macintosh or Windows Binary Format TrueType Fonts stored in Macintosh or Windows binary format TrueType fonts stored in PFA formats Standard Font Set include 193 base Postscript 3 typefaces

STANDARD WORKFLOW CONFIGURATIONS

PRINERGY EVO 1.0 SPECIFICATIONS – OUTPUT

Available Configuration	Prinergy Evo - Output
Standard Software includes	Single Prinergy Evo Core – server software including: • Job Ticket based workflow • Populated Job-ticket support • Hot Folder support • Drag and drop process submission Prinergy Evo Hi-Res Renderer Harmony Calibration System as described in the Harmony Product Specification Five User Client Pack including: • Prinergy Evo User Interface • Virtual Proofing System • Geometry plug-in for Adobe Acrobat
Output Features	Film or Plate Output • Print spooling for final output devices • User configures the process template to specify the device specific parameters (e.g. plate, output resolution, dot-gain calibration and screening) • Only supports fully imposed workflows with Imagesetters (e.g. no support for tiling) • Only supports single separation output to a piece of film (no ganging of the four separations of a file onto a single piece of film). • Variable mark replacement for film and plate output (marks defined in imposition)

	Raster Output Features
	• Selection and application of the appropriate dot gain calibration curves as specified by the user
	• Harmony Calibration System records the print characteristic of the final press sheet and matches it to the proof, another press sheet or an industry standard allowing accurate control of dot gain
	• Screening setting overrides at the RIP:
	  • Screen system
	  • Dot shape
	  • Nominal screen ruling (AM) or feature size (FM)
	  • Angle set (for AM)
	  • Creosettes (only available on Creo devices) including 45º, ±7.5º, Y30º, Y60º
	• Supported dot shapes (not all dot shapes are available on all screen systems):
	  • Round
	  • RoundSquare (Euclidean)
	  • Heavy Elliptical
	  • Light Elliptical
	  • EllipticalP
	  • Line
	  • Line1
	  • Square
	  • Square1
	• Positive or negative image
	• Mirror print with screen angle preservation

PRINERGY EVO 1.0 SPECIFICATIONS – REFINE

Available Configuration	Prinergy Evo - Refine
Standard Software includes	Single Prinergy Evo Core – server software including: • Job Ticket based workflow • Hot Folder support • LPR and Apple printer services • Drag and drop process submission Prinergy Evo Refine including: • Normalizer • Optimizer Five User Client Pack including: • Prinergy Evo User Interface • Geometry plug-in for Adobe Acrobat • Separation Repair Tool plug-in for Adobe Acrobat

Refine Features	Digital Master Creation
	• Generates Print ready PDF (PDF 1.3 or PDF X1/a) from file input
	• Embeds all images and fonts referenced by an input file
	• Utilizes Adobe Multiple Master technology, if selected
	• User choice whether missing images or fonts are reported as errors or warnings
	• Optimizes colour and monochrome images
	
	Spot Color Handling
	• Automatically determines custom colors present during processing
	• Prinergy Evo resolves problems with spot colours in input files by allowing the operator to select (Composite input only):
	  • Spot colors converted to process
	  • Spot colours retained as spot colors
	  • Print spot color with any specified colour
	• Resolves duplicate spot colour names (Pantone 125 CV, Pantone 125 CVC)
	
	Separated and Composite File Handling
	• Input files may be either separated or composite
	• Handle duotone and tritones in composite or separated workflow
	• Some features (e.g. color management and trapping options) are limited to composite input

PRINERGY EVO 1.0 SPECIFICATIONS – REFINE AND OUTPUT

Available Configuration	Prinergy Evo – Refine and Output
Standard Software includes	Single Prinergy Evo Core – server software including: • Job Ticket based workflow • Populated Job-ticket support • Hot Folder support • LPR and Apple printer services (for Refine submission only) • Drag and drop process submission Prinergy Evo Hi-Res Renderer Prinergy Evo Refine including: • Normalizer • Optimizer Harmony Calibration System as described in the Harmony Product Specification Five User Client Pack including: • Prinergy Evo User Interface • Virtual Proofing System • Geometry plug-in for Adobe Acrobat • Separation Repair Tool plug-in for Adobe Acrobat
Output Features	Film or Plate Output • Print spooling for final output devices • User configures the process template to specify the device specific parameters (e.g. plate, output resolution, dot-gain calibration and screening) • Only supports fully imposed workflows with Imagesetters (e.g. no support for tiling or separation ganging) • Variable mark placement for film and plate output (marks defined in imposition)

	Raster Output Features
	• Selection and application of the appropriate dot gain calibration curves as specified by the user
	• Harmony Calibration System records the print characteristic of the final press sheet and matches it to the proof, another press sheet or an industry standard allowing accurate control of dot gain
	• Screening setting overrides at the RIP:
	  • Screen system
	  • Dot shape
	  • Nominal screen ruling (AM) or feature size (FM)
	  • Angle set (for AM)
	  • Creosettes (only available on Creo devices) including 45º, ±7.5º, Y30º, Y60º
	• Supported dot shapes (not all dot shapes are available on all screen systems):
	  • Round
	  • RoundSquare (Euclidean)
	  • Heavy Elliptical
	  • Light Elliptical
	  • EllipticalP
	  • Line
	  • Line1
	  • Square
	  • Square1
	• Positive or negative image
	• Mirror print with screen angle preservation

Refine Features	Digital Master Creation
	• Generates Print ready PDF (PDF 1.3 or PDF X1/a) from file input
	• Embeds all images and fonts referenced by an input file
	• Utilizes Adobe Multiple Master technology, if selected
	• User choice whether missing images or fonts are reported as errors or warnings
	• Optimizes colour and monochrome images
	
	Spot Color Handling
	• Automatically determines custom colors present during processing
	• Prinergy Evo resolves problems with spot colours in input files by allowing the operator to selectively map (Composite input only):
	  • Spot colors converted to process
	  • Spot colours retained as spot colors
	  • Print spot color with any colour
	• Resolves duplicate spot colour names (Pantone 125 CV, Pantone 125 CVC)
	
	Separated and Composite File Handling
	• Input files may be either separated or composite
	• Handle duotone and tritones in composite or separated workflow
	• Some features (e.g. color management and Trapping options) are limited to composite input

PRINERGY EVO 1.0 SPECIFICATIONS – REFINE, TRAP, PROOF AND OUTPUT

Available Configuration	Prinergy Evo – Refine, Trap, Output and Proof
Standard Software includes	Single Prinergy Evo Core – server software including: • Job Ticket based workflow • Populated Job-ticket support • Hot Folder support • LPR and Apple printer services • Drag and drop process submission Prinergy Evo Hi-Res Renderer Proofing Connectivity • Proofing Connectivity Site license Prinergy Evo Refine including: • Normalizer • Optimizer • Standard batch trapping Harmony Calibration System as described in the Harmony Product Specification Five User Client Pack including: • Prinergy Evo User Interface • Virtual Proofing System • Geometry plug-in for Adobe Acrobat • Separation Repair Tool plug-in for Adobe Acrobat
Output Features	Film or Plate Output • Print spooling for final output devices • User configures the process template to specify the device specific parameters (e.g. plate, output resolution, dot-gain calibration and screening) • Only supports fully imposed workflows with Imagesetters (e.g. no support for tiling) • Variable mark replacement for film and plate output (marks defined in imposition)

	Raster Output Features
	• Selection and application of the appropriate dot gain calibration curves as specified by the user
	• Harmony Calibration System records the print characteristic of the final press sheet and matches it to the proof, another press sheet or an industry standard allowing accurate control of dot gain
	• Screening setting overrides at the RIP:
	  • Screen system
	  • Dot shape
	  • Nominal screen ruling (AM) or feature size (FM)
	  • Angle set (for AM)
	  • Creosettes (only available on Creo devices) including 45º, ±7.5º, Y30º, Y60º
	• Supported dot shapes (not all dot shapes are available on all screen systems):
	  • Round
	  • RoundSquare (Euclidean)
	  • Heavy Elliptical
	  • Light Elliptical
	  • EllipticalP
	  • Line
	  • Line1
	  • Square
	  • Square1
	• Positive or negative image
	• Mirror print with screen angle preservation

Refine Features	Digital Master Creation
	• Generates Print ready PDF (PDF 1.3 or PDF X1/a) from file input
	• Embeds all images and fonts referenced by an input file
	• Utilizes Adobe Multiple Master technology, if selected
	• User choice whether missing images or fonts are errors or warnings
	• Optimizes contone and monochrome images
	
	Spot Color Handling
	• Automatically determines custom colors present during processing
	• Prinergy Evo resolves problems with spot colours in input files by allowing the operator to select (Composite input only):
	  • Spot colors converted to process
	  • Spot colours retained as spot colors
	  • Print spot color with any colour
	• Resolves duplicate spot colour names (Pantone 125 CV, Pantone 125 CVC)
	
	Separated and Composite File Handling
	• Input files may be either separated or composite
	• Handle duotone and tritones in composite or separated workflow
	• Some features (e.g. color management and Trapping options) are limited to composite input
	
	Standard batch Trapping