

Prinergy 3.x

Solutions Guide

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OVERVIEW

The Prinergy 3.x Solutions Guide is intended to guide the Kodak Sales organizations to determine the optimal Prinergy 3.x system configuration for our customers.

This document contains five sample Prinergy 3.x configurations, based on the current versions of Prinergy core software.

The sample configurations provided within each product line are examples of typical system configurations. These examples should serve as starting points from which a customized configuration can be built to meet the individual needs of a customer.

The configurations feature complete Prinergy solutions driving a Trendsetter or Lotem output device. However, Prinergy is equally capable of driving all Kodak and third party output devices.

This document will be updated with each new major version of Prinergy software.

Related Documents

- Prinergy Connect 3.x performance benchmark test results can be found by doing a search for "Prinergy Connect Performance" on CreoNet.
- Prinergy specifications: Prinergy hardware and software specifications can be found on the Prinergy Connect 3.x TechPlanet site's Overview page.
- Prinergy device connectivity specifications: Prinergy can connect to a wide variety of proofing and output devices for plate or film. Connectivity for devices listed at the TechPlanet site have been tested and documented. See the Prinergy Connect 3.x TechPlanet site's Connectivity page.
- Prinergy 3.x technical bulletins: Can be found on the Prinergy Connect 3.x TechPlanet site's Reference page.

A Note on Hardware

By default, all servers are shipped as Dell hardware. In CAM, Hewlett-Packard (HP) hardware can be substituted at no cost when requested by the customer.

In order to substitute HP hardware, the HP conversion part number must be specified for each server to be converted.

Part number	Equipment description
015-00366A-80	Hardware system conversion–converts Dell hardware to HP

When ordering RAID or rack-mount hardware, be careful to specify the correct part numbers for the brand of hardware that you are configuring. More detailed information on hardware configuration can be found in the Technology Infrastructure section of sales.creo.com.

CHOOSING A PRINERGY CONFIGURATION

Prinergy has five basic bundles consisting of the most common software and hardware components required to build a basic configuration. The bundles do not include output devices, device control kits, storage for storing jobs, or optional software components to increase productivity and/or meet the specific requirement of the customers workflow and special needs such as color management, regional versioning, CEPS and Copydot workflow, system backup, tape libraries, Gigabit cards, and so on.

The following tables provide an overview of the system performance of the five Prinergy systems and the output devices the configuration is capable of driving at engine speed.

4- and 8-Page Devices

Prinergy Configuration	Access	EL	Single Server	MR	HV
Prinergy Benchmark Performance (pages/hour)[1]	66	90	95	146	277
De-rated Prinergy Performance (pages/hour)[2]	43	72	76	117	222

Device	Plates/hr	Plate Size (pages/plate)	Speed (CMYK pages/hr)	Ability of Prinergy configuration to drive device at full engine speed[3]				
Lotem® 400 S	10	4	10	✓	✓	✓	✓	✓
Lotem® 400 F	15	4	15	✓	✓	✓	✓	✓
Lotem® 400 Quantum V, 2400 dpi	25	4	25	✓	✓	✓	✓	✓
Lotem® 400 Quantum V, 2540 dpi	25	4	25	✓	✓	✓	✓	✓
Lotem® 800 S	10	8	20	✓	✓	✓	✓	✓
Lotem® 800 F	16	8	32	✓	✓	✓	✓	✓
Lotem® 800 Quantum F, 2400 dpi	22	8	44	×	✓	✓	✓	✓
Lotem® 800 Quantum F, 2540 dpi	22	8	44	×	✓	✓	✓	✓
Lotem® 800 Quantum V, 2400 dpi	29	8	58	×	✓	✓	✓	✓
Lotem® 800 Quantum V, 2540 dpi	29	8	58	×	✓	✓	✓	✓
Lotem® 800 II S, 2400 dpi	15	8	30	✓	✓	✓	✓	✓
Lotem® 800 II S, 2540 dpi	15	8	30	✓	✓	✓	✓	✓
Lotem® 800 II F, 2400 dpi	22	8	44	×	✓	✓	✓	✓
Lotem® 800 II F, 2540 dpi	22	8	44	×	✓	✓	✓	✓
Lotem® 800 II V, 2400 dpi	29	8	58	×	✓	✓	✓	✓
Lotem® 800 II V, 2540 dpi	29	8	58	×	✓	✓	✓	✓

Prinergy Configuration	Access	EL	Single Server	MR	HV
Prinergy Benchmark Performance (pages/hour)[1]	66	90	95	146	277
De-rated Prinergy Performance (pages/hour)[2]	43	72	76	117	222

Device	Plates/hr	Plate Size (pages/plate)	Speed (CMYK pages/hr)	Ability of Prinergy configuration to drive device at full engine speed[3]				
Lotem® 800 II Quantum S, 2400 dpi	15	8	30	✓	✓	✓	✓	✓
Lotem® 800 II Quantum S, 2540 dpi	15	8	30	✓	✓	✓	✓	✓
Lotem® 800 II Quantum F, 2400 dpi	22	8	44	×	✓	✓	✓	✓
Lotem® 800 II Quantum F, 2540 dpi	22	8	44	×	✓	✓	✓	✓
Lotem® 800 II Quantum V, 2400 dpi	29	8	58	×	✓	✓	✓	✓
Lotem® 800 II Quantum V, 2540 dpi	29	8	58	×	✓	✓	✓	✓
Magnus 400	22	4	22	✓	✓	✓	✓	✓
Magnus 400 Quantum	27	4	27	✓	✓	✓	✓	✓
Magnus 800 S	15	8	30	✓	✓	✓	✓	✓
Magnus 800 F	22	8	44	×	✓	✓	✓	✓
Magnus 800 V	30	8	60	×	✓	✓	✓	✓
Magnus 800 X	40	8	80	×	×	×	✓	✓
Magnus 800 Quantum S	15	8	30	✓	✓	✓	✓	✓
Magnus 800 Quantum F	22	8	44	×	✓	✓	✓	✓
Magnus 800 Quantum V	30	8	60	×	✓	✓	✓	✓
Magnus 800 Quantum X	40	8	80	×	×	×	✓	✓
Trendsetter® 3230 S (20w)	11	4	11	✓	✓	✓	✓	✓
Trendsetter® 3230 V	11	4	11	✓	✓	✓	✓	✓
Trendsetter® 3244 S (20w)	15	8	30	✓	✓	✓	✓	✓
Trendsetter® 3244 F (20w)	22	8	44	×	✓	✓	✓	✓
Trendsetter® 3244 V1	30	8	60	×	✓	✓	✓	✓
Trendsetter® 3244 V2	30	8	60	×	✓	✓	✓	✓
Trendsetter® 400 II Quantum S	18	4	18	✓	✓	✓	✓	✓
Trendsetter® 400 II Quantum V	33	4	33	✓	✓	✓	✓	✓
Trendsetter® 400 Quantum S	18	4	18	✓	✓	✓	✓	✓
Trendsetter® 400 Quantum V	33	4	33	✓	✓	✓	✓	✓

Prinergy Configuration	Access	EL	Single Server	MR	HV
Prinergy Benchmark Performance (pages/hour)[1]	66	90	95	146	277
De-rated Prinergy Performance (pages/hour)[2]	43	72	76	117	222

Device	Plates/hr	Plate Size (pages/plate)	Speed (CMYK pages/hr)	Ability of Prinergy configuration to drive device at full engine speed[3]				
Trendsetter® 800 S	15	8	30	✓	✓	✓	✓	✓
Trendsetter® 800 F	22	8	44	×	✓	✓	✓	✓
Trendsetter® 800 V	30	8	60	×	✓	✓	✓	✓
Trendsetter® 800 Quantum S	15	8	30	✓	✓	✓	✓	✓
Trendsetter® 800 Quantum F	22	8	44	×	✓	✓	✓	✓
Trendsetter® 800 Quantum V	30	8	60	×	✓	✓	✓	✓
Trendsetter® 800 II S	15	8	30	✓	✓	✓	✓	✓
Trendsetter® 800 II F	22	8	44	×	✓	✓	✓	✓
Trendsetter® 800 II V	30	8	60	×	✓	✓	✓	✓
Trendsetter® 800 II Quantum S	15	8	30	✓	✓	✓	✓	✓
Trendsetter® 800 II Quantum F	22	8	44	×	✓	✓	✓	✓
Trendsetter® 800 II Quantum V	30	8	60	×	✓	✓	✓	✓

[1] Prinergy Benchmark Performance measured using the standard Prinergy benchmark tests

[2] Prinergy performance de-rated by 20% from benchmark numbers (35% for Access) to allow for real world use of the system

[3] Prinergy system is judged to be able to drive the output device at full speed if Prinergy's (de-rated) pages/hour exceeds the device's maximum pages/hour

VLF Devices

Prinergy Configuration	Access	EL	Single Server	MR	HV
Prinergy Benchmark Performance (pages/hour)[1]	66	90	95	146	277
De-rated Prinergy Performance (pages/hour)[2]	43	72	76	117	222

Device	Plates/hr	Plate Size (pages/plate)	Speed (CMYK pages/hr)	Ability of Prinergy configuration to drive device at full engine speed[3]				
Magnus VLF 4570 S	6	16	24	✓	✓	✓	✓	✓
Magnus VLF 4570 F	11	16	44	×	✓	✓	✓	✓
Magnus VLF 4570 V	18	16	72	×	✓	✓	✓	✓
Magnus VLF 5183 S	5	24	16	✓	✓	✓	✓	✓
Magnus VLF 5183 F	10	24	60	×	✓	✓	✓	✓
Magnus VLF 5183 V	16	24	96	×	×	×	✓	✓
Magnus VLF 5570 S	6	24	36	✓	✓	✓	✓	✓
Magnus VLF 5570 F	11	24	66	×	✓	✓	✓	✓
Magnus VLF 5570 V	16	24	96	×	×	×	✓	✓
Magnus VLF 6383 S	5	32	40	✓	✓	✓	✓	✓
Magnus VLF 6383 F	9	32	72	×	✓	✓	✓	✓
Magnus VLF 6383 V	13	32	104	×	×	×	✓	✓
Trendsetter® 4557 S	6	16	24	✓	✓	✓	✓	✓
Trendsetter® 4557 F	8	16	32	✓	✓	✓	✓	✓
Trendsetter® 4557 V	15	16	60	×	✓	✓	✓	✓
Trendsetter® 5067 S	5	24	30	✓	✓	✓	✓	✓
Trendsetter® 5067 F	7	16	28	✓	✓	✓	✓	✓
Trendsetter® 5067 V	14	24	84	×	×	×	✓	✓
Trendsetter® 5080 S	4	32	32	✓	✓	✓	✓	✓
Trendsetter® 5080 F	6	32	48	×	✓	✓	✓	✓
Trendsetter® 5080 V	13	32	104	×	×	×	✓	✓
Trendsetter® 5467 S	4	24	24	✓	✓	✓	✓	✓
Trendsetter® 5467 F	6	24	36	✓	✓	✓	✓	✓
Trendsetter® 5467 V	13	24	78	×	×	×	✓	✓
Trendsetter® 5880 S	4	32	32	✓	✓	✓	✓	✓
Trendsetter® 5880 F	5	32	40	✓	✓	✓	✓	✓
Trendsetter® 5880 V	12	32	96	×	×	×	✓	✓

[1] Prinergy Benchmark Performance measured using the standard Prinergy benchmark tests

[2] Prinergy performance de-rated by 20% from benchmark numbers (35% for Access) to allow for real world use of the system

[3] Prinergy system is judged to be able to drive the output device at full speed if Prinergy's (de-rated) pages/hour exceeds the device's maximum pages/hour

When selecting hardware for a particular configuration, it is generally best to run only two JTPs of a particular type on a given server. Running three or more of one JTP type on the same box will not provide optimum JTP performance.

STANDARD PRINERGY CONFIGURATIONS

Prinergy Access Configuration

The Prinergy Access configuration is an entry-level cost effective all-in-one-box digital film and plate production system with a PostScript or PDF workflow. It provides a simple and efficient workflow management system for job control, refining, imposing, and plate making.

Prinergy Access is based on the Kodak Performance server.

The appropriate Output Device Control kit for connectivity to the output device must be added to the configuration.

A number of internal and external online storage options are available. Internal RAID 5 is not an option for Prinergy Access although mirrored drives can be configured as described below. For backup, an external AIT-3 tape drive (15-5163) is highly recommended. The Access system is not equipped with Prinergy Archiver software or proofing software.

Note: The customer must configure the default Windows 2000 Backup to back up the Oracle database, Windows 2000 registry, Windows 2000 file system, and all the Prinergy System files to tape. It is very important to regularly back up system files as well as data files.

Access Equipment List

Part number	Equipment description
015-00754A-10	Prinergy Access System (Kodak Performance primary server) includes: • Prinergy Core Software • 1 Client (includes Adobe Acrobat and VPS) • Client 5 Pack (5 seats of UI, VPS and Adobe Acrobat) • 1 Primary Server License (includes Harmony and basic colour management) • 1 "Single" Normalizer • 1 Hi-Res Renderer • Publish PDF functionality (including PDF/X-1a support) • 1 CT/LW Input JTP • 1 Vector Output JTP (DCS, EPS and PS2) • OPI Support • Job Import/Export • Installation and Warranty • Single Hyper-threaded Pentium4 CPU, 2 GB RAM, 2x80 GB Hard Drive, and a Monitor

Part number	Equipment description
SD-0001-05	Prinergy Access Startup Assistance 2 days
SD-0001-09	Prinergy Access onsite training
SD-0001-10	Prinergy Access Harmony training onsite
SD-0015-36	Training, WebEx Online for Prinergy Access, 3 Days
SD-0015-70	Training, WebEx Online for Prinergy Access (with Trapping), 4 Days
SD-0015-85	Training, Prinergy for Managers and Lead Prepress Operators, 3 Days
SD-0015-71	Training, WebEx Online for Preps for Prinergy Connect, 2 Days
No P/N	Annual Maintenance

Recommended Options Specific to Prinergy Access

Part number	Equipment description
22-0197A	Prinergy Access 3rd Party Connectivity Kit
22-0186A	Prinergy Access hi-resolution proofing kit: • Prinergy server proofing license • 1x High resolution proofing JTP • Proofing Connectivity (Class 1 and 2 site license) • 1x Class 3 proof connectivity license • Kodak Virtual Proofing system • Color combiner
22-0293A	Prinergy Access lo-resolution proofing kit: • Prinergy server proofing license • 1x Low resolution proofing JTP • Proofing Connectivity (Class 1 and 2 site license) • Kodak Virtual Proofing system • Color combiner

Other Options to Consider

- A DCK (device connectivity kit) is required to connect the Access system to an output device. There is a special Access part number for third party connectivity (listed above). Other DCKs are described in the Device Connectivity Options section of this document.
- Most Access customers will also need to purchase at least one Preps license for use with the Prinergy system.

- Storage, archiving and general Prinergy options as described later in this document can also be added to an Access configuration.
  We highly recommended adding at least a single tape drive to enable backup of the Prinergy system. Bundles containing tape hardware along with Prinergy archiver software are also available.
- The Access server can be configured for mirrored drives by adding the following:

Part number	Equipment description
609-00269	Controller Card, SATA RAID Controller for the Kodak Performance Server
607-0059	Disk Storage, Dell 80GB Disk Drive for PE700 and PE800 *** QTY 2 of these required

Prinergy EL Configuration

The Prinergy EL configuration is a cost effective high-performance all-in-one-box digital film and plate production system with a PostScript or PDF workflow. It provides a simple and efficient workflow management system for job control, refining, page and form proofing, and plate making.

Prinergy EL is based on the Kodak Premium server.

The appropriate Output Device Control kit for connectivity to the output device must be added to the configuration.

A number of internal and external online job storage options are available (see section 6.1). For backups, an external AIT-3 tape drive (15-5163) is highly recommended.

Note: The customer must configure the default Windows 2000 Backup to back up the Oracle database, Windows 2000 registry, Windows 2000 file system, and all the Prinergy System files to AIT-2 tape. It's very important to regularly back up system files as well as data files as the system is not equipped with Prinergy Archiver software.

Upgrades from Access

Prinergy EL includes the following upgrades from the Access configuration:

- Based on the Kodak Premium Server
- 1 Hi-Res Renderer with proofing connectivity license
- 1 Trapping License
- Basic Copydot JTP
- 5 additional Clients

EL Equipment List

The following table lists the components and part numbers required to configure an EL Prinergy system using components on the price list.

Part number	Equipment description
015-00751A-10	Prinergy EL System (Kodak performance server) includes: • Prinergy Connect EL Core Software • 1 Client (includes Adobe Acrobat and VPS) • Client 5 Pack (5 seats of UI, VPS and Adobe Acrobat) • 1 Primary Server License (includes Harmony and basic colour management) • 1 "Single" Normalizer • 1 Trapping license • 2 Hi-Res Renderer • Proofing Connectivity (Class 1 or 2) Site License • Import/Export JTP • Basic Copydot JTP • CT/LW and TIFF/IT input • 1 Vector Output JTP (DCS, EPS and PS2) • Automated Publish PDF functionality (including PDF/X-1a support) • Installation, Training and Warranty. Training includes 2 seats x 5 days for operator and 2 seats x 2 days for Harmony • Dual hyper-threaded Xeon CPU's, 2 GB RAM, 3x73GB HD (Mirrored 73 GB system drives, 73 GB Data Drive) and a monitor • UPS 1000VA
SD-0001-1	Start-up Assistance, Prinergy, 5 Days
SD-0001-2	Start-up Assistance, Prinergy, Additional Week
SD-0015-1	Prinergy Connect Operator classroom training, 5 days
SD-0015-85	Training, Prinergy for Managers and Lead Prepress Operators, 3 Days
SD-0015-71	Training, WebEx Online for Preps for Prinergy Connect, 2 Days
No P/N	Annual Maintenance

Options Specific to Prinergy EL

Alternate EL Configurations

Part number	Equipment description
015-00751A-11	Prinergy EL System (without Trapping), as described for Prinergy EL above except without trapping engine

Additions to EL Configurations

Part number	Equipment description
632-00449A	Prinergy EL to Core Software Upgrade Software package to upgrade an existing Prinergy configuration based on Prinergy EL software to the full functionality of the Prinergy core software. Includes: • Single normalizer • Archiving software

Other Options to Consider

- A device connectivity kit is required to connect the EL system to an output device
- Most EL Customers will also need to purchase at least one Preps license for use with the Prinergy system.
- Storage, archiving and general Prinergy options as described later in this document can also be added to an EL configuration.

  We highly recommended that customers add at least a single tape drive to enable backup of the Prinergy system. Bundles containing tape hardware along with Prinergy archiver software are also available.

Prinergy Single Server Configuration

The Single Server configuration provides a simple and efficient workflow management system for job control, refining, page and form proofing, and plate making.

The Single Server configuration is based on the Kodak Premium server.

This configuration is equipped with Prinergy Archiver software and a single AIT-3 tape drive. The appropriate output device control kit for connectivity to the output device must be added to the configuration.

Note: *An AIT-3 tape library is highly recommended if the customer is interested in non-attendance backup and/or Archiver tape duplication for offsite tape storage.*

Upgrades from EL

Prinergy Single Server includes the following upgrades from the EL configuration:

- Archiving software
- Second Normalizer (enhances performance)
- Single AIT-3 tape drive

Single Server Equipment List

The following table lists the components and part numbers required to configure a Single Server Prinergy system using individual components on the price list.

Part number	Equipment description
015-00751A-12	Prinergy Single Server System (2 CPU primary server) includes: • Prinergy Connect core software • 1 Client (includes VPS and Adobe Acrobat) • Client 5 Pack (5 seats of UI, VPS and Adobe Acrobat) • 1 Primary Server License (includes Basic Colour Management and Harmony) • 1 Trapping Engine • 1 Dual Normalizer • 1 Lo-Res Renderer • 1 Hi-Res Renderer • 1 Archiving Software • Proofing Connectivity (Class 1 or 2) Site License • Import/Export JTP • Basic Copydot JTP • Automated Publish PDF functionality (including PDF/X-1a support) • CT/LW and TIFF/IT input. • 1 Vector Output JTP (DCS, EPS and PS2) • Installation Training and Warranty. Training includes 2 seats x 5 days Operator and 2 seats X 2 days Harmony. • Dual hyper-threaded Xeon CPU's, 2 GB RAM, 3x73GB HD (Mirrored 73 GB system drives, 73 GB Data Drive) and a monitor • AIT-3 Tape drive • UPS 1440 VA
SD-0001-1	Start-up Assistance, Prinergy, 5 Days
SD-0001-2	Start-up Assistance, Prinergy, Additional Week
SD-0015-1	Prinergy Connect Operator classroom training, 5 days
SD-0015-85	Training, Prinergy for Managers and Lead Prepress Operators, 3 Days
SD-0015-71	Training, WebEx Online for Preps for Prinergy Connect, 2 Days
No P/N	Annual Maintenance

Prinergy Mid-Range (MR) Configuration

The Mid-Range configuration is a complete digital plate production system for mid-size commercial printers or small publication printers. This solution expands upon the Single Server configuration by adding a separate render station(s).

The Mid-Range configuration is based on the Kodak Premium Server and a Kodak render station.

This configuration is equipped with Prinergy Archiver software and a single AIT-3 tape drive. The appropriate Output Device Control kit for connectivity to the output device must be added to the configuration.

Additional internal or external job storage is required. It is recommended to add the 6-disk, 683 GB internal SCSI RAID Kit for job storage, and an upgrade to an AIT-3 tape library with one drive and 12 tape slots for archiving.

If the customer is concerned about minimizing downtime in the case of a hardware failure on the primary server, it is recommended to add a hot standby server

Note: *An AIT-3 tape library is highly recommended if the customer is interested in non-attendance backup and/or Archiver tape duplication for offsite tape storage.*

Upgrades from Single Server

Prinergy Mid Range (MR) includes the following upgrades from the Single Server configuration:

- Additional render station
- Additional lo-resolution renderer

Mid-Range Equipment List

The following table provides the components and part numbers required to configure a Mid-Range Prinergy system using individual components on the price list.

Part number	Equipment description
02-4317F	Prinergy Mid-Range Rack System (Kodak premium primary server and Kodak Performance Workflow Workstation render station) includes: • Prinergy core software • 1 Client (includes VPS and Adobe Acrobat) • 1 Primary Server License (includes Harmony and basic colour management) • 1 Trapping Engine • 1 Dual Normalizer • 2 Lo-Res Renderer • 1 Hi-Res Renderer • 1 Archiving Software • Proofing Connectivity • 1 Basic Copydot JTP • 1 Import/Export JTP

Part number	Equipment description

	• 1 Vector Output JTP (DCS, EPS and PS2)
	• Prinergy Intense software bundle (Seps2Comp, Pagelet)
	• Installation Training and Warranty. Training includes 2 seats x 5 days Operator and 2 seats X 2 days Harmony.
	• Prinergy Primary Server
	  • Dual hyper-threaded Xeon CPU's
	  • 2 GB RAM
	  • 3x73GB HD (Mirrored 73 GB system drives, 73 GB Data Drive)
	  • Monitor
	• Prinergy render station
	  • Single Hyper threaded Intel Pentium4 processor.
	  • 1 GB RAM.
	  • 80 GB system disk.
	  • Monitor.
	  • Windows 2000 Professional (XP Pro License also included)
	  • Kodak Support modem.
	Note: Render stations are *not* rack mountable. Part number 02-4322D-90 must be ordered to rack mount a Prinergy render station.
	• Client 5 Pack (5 seats of UI, VPS and Adobe Acrobat)
	• AIT-3 Tape drive
	• UPS

SD-0001-1	Start-up Assistance, Prinergy, 5 Days
SD-0001-2	Start-up Assistance, Prinergy, Additional Week
SD-0015-1	Prinergy Connect Operator classroom training, 5 days
SD-0015-85	Training, Prinergy for Managers and Lead Prepress Operators, 3 Days
SD-0015-71	Training, WebEx Online for Preps for Prinergy Connect, 2 Days
No P/N	Annual Maintenance

Other Options to Consider

- A device connectivity kit is required to connect the MR system to an output device
- This configuration can drive up to two output devices. To do so, add a Prinergy render station
- This configuration includes Prinergy archiving. It is strongly recommended that customers purchase an automated tape library to enable automated tape duplication for off-site storage. Library options including factory trade-ins for the included stand-alone drive are discussed below under archiving hardware.
- Render stations can be factory upgraded to Kodak Performance or Premium Servers. See the section below on render stations for more details.
- Emergency Plate-making is a common addition to the mid-range system.

- Most customers will also need to purchase at least one Preps license for use with the Prinergy system.
- Additional storage, archiving hardware and general Prinergy Options as described later in this document can also be added to this configuration.

Prinergy High Volume (HV) Configuration

The High Volume configuration is a complete digital plate production system for large commercial printers or mid-size publication printers. This solution utilizes a distributed Prinergy configuration with a secondary server, and is capable of driving multiple output devices.

This configuration is based on two Kodak Premium servers (primary and secondary servers) and a Kodak render station.

This configuration is equipped with Prinergy Archiver software and a single tape drive. The appropriate Output Device Control kit for connectivity to the output device must be added to the configuration.

Additional internal or external job storage is required.

For best performance adding another dual CPU server for file serving and archiving (for example, StorageStation) is recommended.

Note: Prinergy system backup can only be done from the primary server. If a customer wants to use both system backup and a StorageStation, a tape device will be required on both the primary and the secondary servers. A single tape drive is sufficient for backup, and a library is recommended for archiving.

Note: A rack-mount Prinergy High Volume system can be used for this configuration.

Note: If the customer is concerned about minimizing downtime in the case of a hardware failure on the primary server, it is recommended to add an Emergency Platemaking license.

Upgrades from Mid Range

Prinergy High Volume (HV) includes the following upgrades from the Mid Range configuration:

- Additional secondary (distribution) server
- 2 x Additional lo-res renderer
- Additional hi-res renderer
- Additional dual normalizer
- Additional import/export JTP
- Additional trapping engine

High Volume Equipment List

The following table provides the components and part numbers required to configure a High Volume Prinergy system using individual components on the price list.

Part number	Equipment description

02-4317F-34	Prinergy High Volume (HV) System (Kodak premium primary server, Kodak premium secondary server and Kodak Performance Workflow Workstation render station) includes:
	• Prinergy core software
	• 1 Client (includes VPS and Adobe Acrobat)
	• Client 5 Pack (5 seats of UI, VPS and Adobe Acrobat)
	• 1 Primary Server License (includes Harmony and basic colour management)
	• 2 Trapping Engine
	• 2 Dual Normalizer
	• 4 Lo-Res Renderer
	• 2 Hi-Res Renderer
	• 1 Archiving Software
	• Proofing Connectivity
	• 1 Basic Copydot JTP
	• 1 Import/Export JTP
	• CT/LW and TIFF/IT input.
	• 1 Vector Output JTP (DCS, EPS and PS2)
	• 2 additional basic color match JTPs (total of 3).
	• Prinergy Intense software bundle (Seps2Comp, Pagelet)
	• Installation Training and Warranty. Training includes 2 seats x 5 days Operator and 2 seats X 2 days Harmony.
	• Prinergy Primary Server
	  • Dual hyper-threaded Xeon CPU's
	  • 2 GB RAM
	  • 3x73GB HD (Mirrored 73 GB system drives, 73 GB Data Drive)
	  • Monitor
	• Prinergy Secondary Server
	• Dual hyper-threaded Xeon CPU's
	• 2 GB RAM
	• 3x73GB HD (Mirrored 73 GB system drives, 73 GB Data Drive)
	• Monitor
	• Prinergy 2 CPU Secondary Server Distribution License.
	• Prinergy render station
	  • Single Hyper threaded Intel Pentium4 processor.
	  • 1 GB RAM.
	  • 80 GB IDE system disk.
	  • Monitor.
	  • Windows 2000 Professional (XP Pro License also included)

Part number	Equipment description
	• Kodak Support modem. **Note**: Render stations are NOT rack mountable. Part number 02-4322D-90 must be ordered to rack-mount a Prinergy render station. • AIT-3 Tape drive • Lo-Res Renderer (total of 2) • UPS for each of primary and secondary servers
SD-0001-1	Start-up Assistance, Prinergy, 5 Days
SD-0001-2	Start-up Assistance, Prinergy, Additional Week
SD-0015-1	Prinergy Connect Operator classroom training, 5 days
SD-0015-85	Training, Prinergy for Managers and Lead Prepress Operators, 3 Days
SD-0015-71	Training, WebEx Online for Preps for Prinergy Connect, 2 Days
No P/N	Annual Maintenance

Other Options to Consider

- This configuration can drive several output devices. To drive an additional device, add a Prinergy render station
- A device connectivity kit is required to connect the HV system to each connected output device
- This configuration includes Prinergy archiving. We strongly recommended that customers purchase an automated tape library to enable automated tape duplication for off-site storage. Library options including factory trade-ins for the included stand-alone drive are discussed below under archiving devices.
- A rack-mount Prinergy High Volume system can be used for this configuration. See the section on rack mounting below.
- Render stations can be factory upgraded to Kodak Performance or Premium Servers. See the section below on render stations for more details.
- Emergency Plate-making is a recommended addition to the high volume system.
- Most customers will also need to purchase at least one Preps license for use with the Prinergy system.
- Additional storage, archiving hardware and general Prinergy Options as described later in this document can also be added to this configuration.

PRINERGY OPTIONS

Options Common to All Prinergy Configurations

Client Licenses

Part number	Equipment description
22-0204A	Prinergy Single Client
22-0074A	Prinergy Client 20 Pack (includes 20 seats of UI, Acrobat, and VPS)
22-0035A	Prinergy Client 5 Pack (includes 5 seats of UI, VPS, and Acrobat)
632-00059A	Prinergy Trap Editor

Automation Options

Part number	Equipment description
632-00289A	Prinergy Rules-Based Automation
22-0175A	Prinergy Regional Versioning
22-0174A	Prinergy Advanced Production Automation (APA)
632-00290A	Prinergy Automated Imposition
632-00212A	Prinergy Automated Preflight

Additional JTPs

Part number	Equipment description
632-00054A	Prinergy Batch Trapping JTP
22-0316A	Prinergy Basic Copydot JTP
22-0092A	Prinergy Copydot JTP Descreen and Resample
22-0093A	Prinergy Copydot JTP Tonal Calibration
015-00196A	Prinergy Color Management Package
015-00197A	Prinergy Color Management Package Pro
632-00071A	Prinergy Proof Color Management
22-0097A	Prinergy CT/LW Input
22-0031A	Prinergy Dual Normalizer
22-0145A	Prinergy Import/Export JTP
22-0094A	Prinergy TIFF/IT Input

Output Options

Part number	Equipment description
22-0049A	Prinergy PrintLink (single license per Hi-Res Renderer)
22-0110A	Prinergy PrintLink Site License
22-0290A	Prinergy Flat Rotation
22-0176A	Prinergy Vector Output Additional JTP
634-00250A	Prinergy Veris Connectivity Kit (includes full Prinergy Proof Color Management)
632-00205A	Prinergy Digital Print (includes FFPM)
632-00293A	Prinergy Digital Print (without FFPM)

Staccato

Part Number	Equipment Description
20-0208A	Staccato 10 Series (for Prinergy)
22-0282A	Staccato 10 Series (for Prinergy) Additional License per Output Device
20-0223A	Staccato 20 Series (for Prinergy)
22-0194B	Staccato 20 Series (for Prinergy) Additional License per Output Device
20-0210A	Staccato 25 Series (for Prinergy)
632-00218A	Staccato Extended Color Screens for Prinergy

Device Connectivity Options

A DCK is required for each output device to which the Prinergy system will be connected. Select the appropriate DCK for each device to be driven from the list below. You will also need to ensure that a high-res renderer is configured for each device to be driven directly. One high res renderer can support multiple indirect connections.

Proofing devices (other than the proofsetter) do not require a DCK. You will simply need to ensure that the appropriate number of lo-res renderers is available to support the volume of proofs to be generated.

Note that render station part numbers (discussed below) include the DCK as part of the render station bundle.

Part number	Equipment description
22-0024C	Prinergy to 4-up Device Control Kit
22-0025C	Prinergy to 8-up and Trendsetter News Device Control Kit
22-0310A	Prinergy to Dolev 800 Direct Device Control Kit
501R49479	Prinergy to Lotem 8-up InDirect Device Control Kit

Part number	Equipment description
22-0059B	Prinergy to Proofsetter Device Control Kit
015-00461A	Prinergy to ThermoFlex Narrow/Mid Device Control Kit
22-0026C	Prinergy to VLF Device Control Kit
22-0292A	Prinergy 3rd Party Connectivity

High Res Renderer Options

Part number	Equipment description
22-0033A	Prinergy Hi-Res Renderer - Direct Connect to Output Device
22-0105A	Prinergy Hi-Res Renderer - to File
22-0076A	Prinergy Spectrum Renderer (Proofs and Plates)
22-0075B	Prinergy 3rd Party Output Renderer (includes DCK)

Archiving and Backup

It is strongly recommended that at least one tape drive be included with every Prinergy system in order to facilitate backup of the system.

Prinergy can also be configured to support automated archiving (this option in included in single server and higher configurations). In most cases, customers wishing to use this capability will be best served with an automated tape library. The library will allow them to make multiple copies of their archives without the need for an operator to swap tapes.

Note that backup can run only on the Prinergy primary server so if a customer wishes to run archiving on a secondary server or storage station (common for high performance configurations), they will need to purchase a standalone tape drive for backup in addition to the tape library to be used for archiving.

Bundles and Factory Upgrades

Add Archiving and Tape Storage to an Access or EL System

Part number	Equipment description
015-00117B	Tape Storage - Prinergy Archiver and AIT-3 Library (1 Drive, 12 Tape Slots) Bundle for Prinergy Access and EL Systems
015-00624A	Tape Storage - Prinergy Archiver and AIT-3 Library (2 Drive, 22 Tape Slots) Bundle for Prinergy Access and EL Systems

Upgrade the standalone tape drive shipped with a system to an automated library

Note that these part numbers can be ordered only when purchasing a new system

Part number	Equipment description
02-4469B	Factory Upgrade - AIT-3 Tape Library (1 Drive, 12 Tape Slots) replaces the standalone AIT-3 drive used in Prinergy bundles
02-4470B	Factory Upgrade - AIT-3 Tape Library (2 Drive, 22 Tape Slots) replaces the standalone AIT-3 drive used in Prinergy bundles
02-4471B	Factory Upgrade - AIT-3 Tape Library (2 Drive, 80 Tape Slots) replaces the standalone AIT-3 drive used in Prinergy bundles

Software Options

Part number	Equipment description
22-0039A	Prinergy Archiver
22-0103A	Prinergy System Backup (Fully Automatic System Backup)

Tape Devices

Part number	Equipment description
15-5163	Tape Storage - External AIT-3 Tape Drive
11-1033B	Tape Storage - AIT-3 Tape Library (1 Drive, 12 Tape Slots)
11-0964B	Tape Storage - AIT-3 Tape Library (2 Drives, 22 Tape Slots)
11-0966B	Tape Storage - AIT-3 Tape Library (2 Drives, 80 Tape Slots)
11-0967B	Tape Storage - AIT-3 Tape Library (4 Drives, 120 Tape Slots)
11-1029B	Tape Storage - Additional AIT-3 Tape Drive for Libraries with 12 or 22 Tape Slots
11-1030B	Tape Storage - Additional AIT-3 Tape Drive for Libraries with more than 22 Tape Slots
15-3519	Tape Storage - AIT Tape Library Slot Expansion Kit

Additional Media

Five AIT-3 tapes are included in each of the library and bundle part numbers listed above.

Part number	Equipment description
610-00008A	Tape Storage - Five-Pack of AIT-2 (50 GB) Tapes
610-00009A	Tape Storage - Five-Pack of AIT-3 (100 GB) Tapes

Storage Hardware

Job Storage can be added to any primary or secondary server. The exact part numbers to use are specific to the hardware platform ordered. Refer to the hardware sell sheets located on the Technology Infrastructure section of SIP at *https://sales.creo.com/sales/sip.nsf/ABSN/1151* for detailed information about each hardware platform.

Dell Internal RAID

Premium servers only—cannot be added to Performance servers

Part number	Equipment description
518-00023A	RAID - Dell - PE2600/2800 Server Internal SCSI RAID Kit, 205GB (4 x 73GB disks)
518-00196A	RAID - Dell - PE2600/2800 Server Internal SCSI RAID Kit, 342GB (6 x 73GB disks)
518-00106A	RAID - Dell - PE2600/2800 Server Internal SCSI RAID Kit, 410GB (4 x 146GB disks)
518-00197A	RAID - Dell - PE2600/2800 Server Internal SCSI RAID Kit, 683GB (6 x 146GB disks)

8-disk and 300GB disk options will soon be available for PE2800 servers. Refer to the TIS link above for more information.

HP Internal RAID

Premium servers only—cannot be added to Performance servers

Part number	Equipment description
518-01139A	RAID - HP - ML370 Server Internal SCSI RAID Kit, 205GB (4 x 73GB disks)
518-01141A	RAID - HP - ML370 Server Internal SCSI RAID Kit, 342GB (6 x 73GB disks)
518-01140A	RAID - HP - ML370 Server Internal SCSI RAID Kit, 410GB (4 x 146GB disks)
518-01142A	RAID - HP - ML370 Server Internal SCSI RAID Kit, 683GB (6 x 146GB disks)

External RAID

The following RAID kits include all disks, cables, etc required for the configuration. Rack-mounted RAID configurations required 3U of available rack space.

Part number	Equipment description
02-4493A	RAID - AE-S for Prinergy (1440 GB Rackmount Version)
015-00562A	RAID - AE-S for Prinergy (2700 GB Pedestal Version)
015-00561A	RAID - AE-S for Prinergy (2700 GB Rackmount Version)
02-4494A	RAID - AE-S RAID for Prinergy (1440 GB Pedestal Version)

Tertiary Servers

A Kodak Premium server can be purchased to act as a tertiary job home. Typically, one of the RAID options detailed above would be specified for this box.

Customer supplied Windows tertiary servers can also be used for job storage. UNIX servers can also be used for job storage. However, archiving is not supported due to limitations in the handling of Mac resource forks.

Part number	Equipment description
015-00366A-02	Server: Kodak Premium Workflow Server
Customer supplied	Tertiary Windows server

Additional Render Stations

Each render station includes the hardware platform as well as the high-res renderer JTP and the appropriate DCK.

Render stations ship as Kodak Workflow Workstations. This platform is not qualified to run as an emergency platemaking server. If you wish to run EPM on the render station, one of the PNs below must be specified to upgrade to a Kodak performance or premium server.

Part number	Equipment description
015-00366A-24	Prinergy 3rd Party Render Station
015-00366A-20	Prinergy 4-up CTP Render Station
015-00366A-21	Prinergy 8-up CTP Render Station
015-00366A-22	Prinergy VLF Render Station

Server Upgrades

These upgrades can be ordered only at the time when a new server is purchased.

Part number	Equipment description
015-00366A-91	Factory Upgrade: Kodak Performance Workflow Workstation to Performance Server
015-00366A-92	Factory Upgrade: Kodak Performance Workflow Workstation to Premium Server

High Availability Options

Both EPM and Hot Standby (EPM+) allow a Prinergy secondary server or render station to take over the duties of the primary server in the event of a primary server hardware failure. EPM+ has the additional advantage of replicating the Oracle database from the primary server to the failover host on a continuous basis so that job metadata is accessible in failover mode. In order for jobs data to also be available, it is recommended to host the jobs on another secondary server or on a tertiary.

EPM and EPM+ are supported on Kodak Premium and Performance servers only. If a customer wishes to run EPM or EPM+ on a render station, they must purchase an upgrade from the default workflow workstation to on of these servers (see the section on render stations for more details).

If using an existing server as an EPM failover server, that server must have at least 1.5GB or RAM and at least 18GB of available storage.

View the EPM technical bulletin at *http://techplanet.creo.com/idoc/78/0127A/B/78-0127A-B-TM01.pdf* for more information.

Part number	Equipment description
20-0162A	Prinergy Emergency Platemaking (EPM)
634-00114A	Prinergy Hot Standby (EPM+)

Rack Configurations

Premium and performance servers can be ordered in rack-mounted versions where the monitor, keyboard, mouse and UPS are removed and the hardware and cables required to mount the server in a standard rack are shipped instead.

Part number	Equipment description
015-00366A-93	Rack - Rack Server Conversion Kit

Dell premium servers are also available in a rack-optimized 2u version that is slimmer and has only six drive bays rather than the standard 8. This option is not currently available for HP servers.

Part number	Equipment description
015-00366A-94	Server - Dell - Kodak Premium Server Rackmount Optimized Upgrade

If the customer does not have an existing rack, one of the following kits should also be ordered:

Part number	Equipment description
015-00625A	Rack - Dell - Kodak North America Rack Assembly (120V)
015-00738A	Rack - HP - Kodak North America Rack Assembly (120V)
015-00626A	Rack - Kodak International Rack Assembly (220V)

If not ordering a Kodak rack kit, the customer will need to provide a UPS for the system or order one of the following:

Part number	Equipment description
166-00026	UPS - 3000VA International (2U Rack Version)
166-00025	UPS - 3000VA North America (2U Rack Version)

AIT tape libraries can be rack mounted by adding the following part number:

Part number	Equipment description
609-00040	Rack - Rackmount Kit for AIT Tape Libraries

Preps Options

Preps 5.1 can be licensed using a dongle on an individual workstation basis or from the Prinergy server using FliM (Floating License Manager) technology.

Detailed information about Preps options is outside the scope of this document. However, Preps client licenses are commonly purchased with Prinergy so the following list of common part numbers is provided for convenience.

Part number	Equipment description
630-00134C	Preps Plus 5.1 Standard Edition for Win/Mac - iKey (USB) Hardware Key
630-00137C	Preps Pro 5.1 Standard Edition for Win/Mac - iKey (USB) Hardware Key
634-00312A	Preps Plus Floating License v5.1
634-00313A	Preps Pro Floating License v5.1