What's New

English

Brisque

version **4.0**

399Z1P707B

www.creo.com

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4,456,924	5,247,352	5420722	5,636,330	5,861,904	6,043,865	6,181,439
4,500,919	5,249,067	5,459,505	5,649,220	5861992	6060208	6186068
4,558,302	5,283,140	5,473,733	5,650,076	5,864,651	6063528	6,189,452
4743091	5291273	5,481,379	5,652,804	5,875,288	6063546	6191882
4,992,864	5,296,935	5,488,906	5,680,129	5,894,342	6072518	6204874
5049901	5,313,278	5,497,252	5,691,823	5,900,981	6090529	6,208,369
5,079,721	5,323,248	5,508,828	5,691,828	5,934,196	6096461	6214276
5081617	5,325,217	5,509,561	5,696,393	5,942,137	6,098,544	6217965
5,103,407	5,331,439	5517359	5,699,174	5,946,426	6107011	6252522
5,111,308	5,333,064	5,519,852	5699740	5947028	6112663	6,260,482
5,113,249	5,339,176	5,526,143	5,708,736	5958647	6,115,056	6266080
5,122,871	5,343,059	5,532,728	5713287	5,966,504	6121996	6266134
5,124,547	5,355,446	5,561,691	5,739,819	5,969,872	6130702	6267054
5132723	5359451	5,568,595	5,742,743	5,973,801	6,134,393	6268948
5,150,225	5,359,458	5,576,754	5,764,374	5,986,819	6136509	6283589
5,153,769	5367360	5,579,115	5,764,381	5995475	6137580	6295076
5,155,782	5,367,388	5,592,309	5,771,794	5996499	6147789	
5,157,516	5,384,648	5,594,556	5,785,309	5998067	6158345	
5177724	5,384,899	5,600,448	5802034	6,003,442	6159659	
5208818	5,412,491	5,608,822	5,813,346	6,014,471	6,164,637	
5,208,888	5,412,737	5,615,282	5818498	6,016,752	6180325	

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About this Document

Creo Corporation is pleased to announce the release of **Brisque Version 4.0.**

Brisque Version 4.0 adds many new and exciting features, and includes major enhancements to the Brisque environment. Other new options provide many more tools and solutions to control your digital workflow precisely and to generate higher levels of automation, production and output.

The following information is provided in this document:

- Software installation procedures
- Updated list of output devices supported by Brisque 4.0
- New features of Brisque 4.0
- Brisque Version 4.0 enhancements to existing features

Brisque Version 4.0 Installation

This section describes the software loading procedure for **Brisque Version 4.0**. After loading the software, certain purchasable applications require that you activate them with a password. The licenses for these applications must be purchased.

Brisque Version 4.0 Installation

Brisque 4.0 offers several installation procedures, each serving a different need and purpose. There are 5 types of installation options as follows:

1. **Migration Installation** - migration from Brisque 3.0 Revision 2 to Brisque 4.0.
2. **Cold Start Installation** - installs the AIX 4.3.3 OS and Brisque 4.0.
3. **Loading Full Software Version** - via the **scismit** utility. This option uninstalls the previous software packages and installs the new version.
4. **Update Software Packages** - via the **scismit** utility. This option installs new software update modules.

   Note: All names of update software packages begin with *Upd*.

5. **Additional Software Installation** - via the **scismit** utility. This option allows installation of additional modules that are not included in the Full Version, such as Composite OCF Fonts, Composite CID Fonts, Kanji OCF Fonts and Kanji CID Fonts.

Brisque Version 4.0 Ready Procedure

v4ready script checks whether a Brisque station is qualified for version 4.0 prior to the software installation. v4ready script (similar to v3ready) checks the following minimum system requirements for version 4.0:

- Brisque 3.0 with Extreme license
- Processor (minimum requirement: E30 - 233MHz)
- RAM > 256MB
- System disk > 4GB
- free space > 500MB
- SFL or TSP (not both)

The new v4ready script is included in a dedicated CD-ROM, as part of the software installation kit. For installation instruction, refer to the documentation of the kit.

This CD can be sent to any Brisque Version 3.0 customer to check the readiness of the station prior to version 4.0 installations.

Brisque Version 4.0 Licenses

Brisque Version 4.0 is supplied with the following applications without an additional license (customers upgrading from Brisque Version 3.0 require the Extreme license as a prerequisite):

- **Adobe CPSI RIP**
- **Normalizer**

The following applications/options are password protected. The licenses must be purchased.

- **Brunner-Strip**
- **IRIS Proofer**
- **Improof**
- **InkPRO**
- **Kodak-Approval**
- **TIFF/IT-P1**
- **Export PS**
- **Kodak-XP4**
- **PDF2Go**

New Licenses

- **All CPUs** - license is required for a Brisque with more than one CPU.
- **Screen2Go4Up*** - maximum size 770mm x 770mm
- **Screen2Go8Up*** - maximum size 1212mm x 1212mm
- **Screen2GoVLF*** - maximum size 2159mm x 2159mm
- **Pack LRS** - for the Brisque Packaging LRS workflow. This license lets you create EPS Preview files. It does not include the PCF RIP operation (Brisque Packaging PCF workflow).
- **Pack PCF** - for the Brisque Packaging PCF workflow. This license lets you use PCF RIP and also includes the **Pack LRS** license.

  Note: The Brisque Impose license is a prerequisite for this license.

- **Versioning** - For the Versioning workflow. This license lets you preserve a unique string name for each variable separation during RIP. It also allows you to use the Versioning module. Without this license variable separations are treated as regular spot separations.
- **FM screening**
- **Parallel Operations** - allows two parallel screening operations (such as, Screen2Go and another screening application to a laser device) using two TSP boards. Without this license the operations are serial.
- **Brisque Entro 400** - for 4-up
- **Brisque Entro 400Pro** - FAF operation for Brisque Entro 400

- **Brisque Entro 800** - for 8-up
- **Brisque Entro 800Pro** - FAF operation for Brisque Entro 800

Options for Think

- **THINK-Dispatcher**
- **THINK-IGS**

*__Screen2Go__ passwords are required only when working with TIFF files. No license is required for GDAPI (direct connection).

Note: The **Front & Back** license for working with Layouts is no longer required. This feature is included in Brisque Version 4.0.

Presstek and **Indigo** are no longer available.

With the release of version 4.0 the following products are not supported:

- SFL and TSP boards in the same Brisque station
- LANC & SFL/VLSI in Hammerhead and 6F1 platforms
- Brisque stations with a 2GB system disk
- E30 with support of CTP devices.

Supported Output Devices

Brisque 4.0 supports the following output devices:

Creo Imagesetters

Device	Expose Area (with punch)		Resolution [dpm]
	H × W [mm]	H × W [inch]	
Dolev 800	812 × 1117	31.9 × 44.0	60 - 140
Dolev 800V	838 × 1117	33.0 × 44.0	50 - 160
Dolev 800V²	825 × 1117	32.5 × 44.0	40 - 200
Dolev 800V LF	560 × 1117	22.0 × 44.0	60 - 140
Dolev 800V Plus	838 × 1117	33.0 × 44.0	50 - 160
Dolev 800E	825 × 1117	32.5 × 44.0	50 - 120
Dolev 4Press	724 × 540	28.5 × 21.3	60, 80, 100, 120, 140, 160
Dolev 4Press SLC	743 × 540	29.3 × 21.3	60, 80, 100, 120, 140, 160
Dolev 4Press V	743 × 540	29.3 × 21.3	60, 80, 100, 120, 140, 160
Dolev 4News	743 × 540	29.3 × 21.3	35 - 80
Dolev 2press Plus	550 × 550	21.6 × 21.6	60, 80, 100, 120, 140, 160
Dolev 200	368 × 500	14.5 × 19.7	60, 80, 100, 120, 140
Dolev 400	648 × 500	25.5 × 19.7	60, 80, 100, 120, 140
Dolev 250	368 × 500	14.5 × 19.7	60, 80, 100, 120, 140
Dolev 450	648 × 500	25.5 × 19.7	60, 80, 100, 120, 140
Dolev 450L	648 × 500	25.5 × 19.7	40, 60, 80
Dolev 2dry	381 × 559	15.0 × 22.0	60, 80, 100, 120, 140, 160
Dolev 4Dry	743 × 559	29.3 × 22.0	60 - 140
Dolev 3136V	787.4 × 914.4	31.0 × 36.0	50 - 140
Dolev 3136V²	812.8 × 914.4	32.0 × 36.0	50 - 160

Creo Platesetters

Device	Expose Area		Resolution [dpm]
	H × W [mm]	H × W [inch]	
Lotem 400	622 x 750	24.5 × 29.5	60 - 140
Lotem 400 with MCU	622 x 750	24.5 × 29.5	60 - 140
Lotem 800 (S)	904 × 1130	35.6 × 44.5	60 - 140
Lotem 800 (F)	904 x 1130	35.6 × 44.5	60 - 140
Lotem 800 with DLC	904 x 1130	35.6 × 44.5	60 - 140
Lotem 800 with MCU (multi-cassette unit)	904 x 1130	35.6 × 44.5	60 - 140
ThermoFlex 2630	690 x 762	27.1 × 30	60 - 140
ThermoFlex 4045*	1010 x 1150	39.7 × 45	60 - 100
ThermoFlex 5067	1270 x 1701	50 × 67	94.49
ThermoFlex 5280	1321 x 2032	52 × 80	94.49
Lotem XL 45/80	1143 x 2032	45.0 × 80.0	60 - 140
Lotem XL 55/80	1397 x 2032	54.5 × 80.0	60 - 140
Lotem XL 60/80	1524 x 2032	60.0 × 80.0	60 - 140
Lotem 400 Quantum	622 x 750	24.5 × 29.5	2400/2540 dpi
Lotem 800 Quantum	904 x 1130	35.6 × 44.5	2400/2540 dpi
Trendsetter 400 Quantum	813 x 762	32 x 30	1200/1600/2400/3200 dpi **
Trendsetter 800 Quantum	813 x 1118	32 x 44	1200/1600/2400/3200 dpi **
Trendsetter VLF 4557 Quantum	1143 x 1447	45 x 57	1200/1600/2400/3200 dpi **
Trendsetter VLF 5067 Quantum	1270 x 1701	50 x 67	1200/1600/2400/3200 dpi **
Trendsetter VLF 5080 Quantum	1270 x 2032	50 x 80	1200/1600/2400/3200 dpi **
Trendsetter VLF 5467 Quantum	1371 x 1701	54 x 67	1200/1600/2400/3200 dpi **
Trendsetter VLF 5880 Quantum	1473 x 2032	58 x 80	1200/1600/2400/3200 dpi **

* In certain application windows on the Brisque, the ThermoFlex 4045 may be assigned the name, Lotem Flex 40/45. If this occurs, disregard the erroneous name and continue as you normally would with the ThermoFlex 4045.

** One resolution per device.

Proofers

Device	Expose Area		Resolution
	H × W [mm]	H × W [inch]	
Lotem 800 Spectrum	884 x 1130	44.5 x 34.8	60 - 140 dpm
Trendsetter Spectrum 3230 (4-up)	559 x 762	22 x 26	1200/2400/3600 dpi **
Trendsetter Spectrum 3244 (8-up)	762 x 1016	30 x 40	1200/2400/3600 dpi **
SmartJet - 4012	437.0 × 269.0	17.2 × 10.6	8, 10, 12 dpm
Realist 5015/FX	355.6 × 533.4	14.0 × 21.0	8, 10, 12 dpm
Realist 5030/FX	711.1 × 533.4	28.0 × 21.0	8, 10, 12 dpm
Iris2PRINT	355.6 × 533.4	14.0 × 21.0	8, 10, 12, 24 dpm
Iris4PRINT	711.1 × 533.4	28.0 × 21.0	8, 10, 12, 24 dpm
Kodak Approval	323.0 × 488.9	12.7 × 19.2	1800 dpi
Kodak Approval XP4	676.0 × 529.9	26.6 × 20.9	2540 dpi

** One resolution per device.

Imposition Proofers

Device	Proof Area		Resolution [dpi]	
	H × W [mm]	H × W [inch]	B&W	Color
Improof 650C/750C	1212 × 906	47.7 × 35.6	300/600	300
Improof 2000CP	1337 × 884	52.6 × 34.8	300/600	300/600
Improof 3000CP	2003 ×1341	78.8 × 52.8	300/600	300/600
HP DesignJet 1050C	1337 × 884	52.6 × 34.8	300/600	300/600
HP DesignJet 5000 42"	767.8 x 1066.8	30.2 x 42	300/600	600/1200*
HP DesignJet 5000 60"	1041 x 1524	41 x 60	300/600	600/1200*
NovaJet PRO 42e	1212 × 1080	47.7 × 42.5	300	300
NovaJet PRO 50	1212 × 1257	47.7 × 49.5	300	300
NovaJet PRO 60e	1212 × 1520	47.7 × 59.8	300	300
IMPRESS (Double-sided)	1320.8 × 863	52 × 34	300/600	300/600
IMPRESS 2000 (Double-sided)	1136.7 × 863.6	44.8 × 34	300/600	300/600
Iris43WIDE (Double-sided)	1066.8 × 812.8	42 × 32	360/720	360/720/1440*
Iris62WIDE	1905 x 1549.4	75 x 61	360/720	360/720/1440*
Epson Stylus PRO 7000	1549 x 604	61 x 23.8	360/720	360/720/1440*
Epson Stylus PRO 7500	1549 x 604	61 x 23.8	360/720	360/720/1440*
Epson Stylus PRO 9000	1549 x 1112	61 x 43.8	360/720	360/720/1440*
Epson Stylus PRO 9500	1549 x 1112	61 x 43.8	360/720	360/720/1440*

* 6-color support.

Note: The HP500/800 imposition proofers are not supported because they do not accept CMYK.

Brisque Version 4.0 New Features

This section describes the new features of Brisque Version 4.0:

- New Brisque Product Lines
- New Platforms
- Brisque Open (Screen2Go)
- Output Device Configuration
- Multi-Device Support
- Preview
- Connectivity to Trendsetters
- Connectivity to Lotem 800V Spectrum
- Packaging
- Versioning

New Brisque Product Lines

In parallel to the release of version 4.0, a new Brisque family will be introduced.

- **Brisque Entro -** a single CPU Brisque configured to address the 4-up and 8-up introductory market. **Brisque Entro** is designed to allow the user to grow and redefine his workflow as his customer base grows.

  Brisque Entro operates on the IBM 43P (Tiger II) platform, running the IBM AIX operating server system. Brisque Entro can be configured as a stand-alone RIP or a RIP and Expose system (4-up; 8-up).

  Note: Brisque Entro is not supplied with the **FAF** operation. The FAF license can be purchased separately.

- **Brisque Performance Series**:
  - **Brisque Expose Performance –** Based on the latest copper chip technology from IBM, the (Hammerhead) uni-processor system packs enough technology and power to drive the Lotem Quantum. The Hammerhead will be the introductory system for the performance line.
  - **Brisque Impose Performance Single –** Utilizing the Hammerhead system from IBM, this Brisque will raise the performance bar in the industry almost 2 fold.
  - **Brisque Impose Performance Dual and Quad –** The Dual and Quad systems are based on the latest **pSeries** copper-based 64 bit systems from IBM. This will increase performance over the existing F50 systems with groundbreaking technology from IBM.
  - **Brisque Impose Performance Sixt –** The most powerful Brisque system to date is positioned to define ultra-performance for large printers. It is based on IBM **pSeries** 6-668Mhz, 64-bit copper-based technology CPUs. Current benchmarks outperform all existing competitive systems. Built with IBM RAS technology, the system boasts processor and memory de-allocation insuring the system will continue to operate even with hardware failures. This is an exclusive offer by Creo and IBM.

Brisque Connectivity Kits

In the new price book, the complete Brisque family is offered in an unbundled manner allowing for a more aggressive price structure of the stand-alone Brisque systems.

As you will be able to see in the new price book, you will select a **connectivity kit** when you sell a full solution. Below are the new connectivity kits:

501R49678	Brisque to Trendsetter 400 Direct Device Control Kit
501R49679	Brisque to Trendsetter 800 Direct Device Control Kit
501R49680	Brisque to Trendsetter VLF Direct Device Control Kit
501R49681	Brisque to Proofsetter Direct Device Control Kit
501R49682	Brisque to Trendsetter 400 Quantum Direct Device Control Kit
501R49683	Brisque to Trendsetter 800 Quantum Direct Device Control Kit
501R49684	Brisque to Trendsetter VLF Quantum Direct Device Control Kit
501R49551	Brisque to Lotem 400 Device Control Kit
501R49552	Brisque to Lotem 800 Device Control Kit
501R49553	Brisque to Lotem 800 Quantum Device Control Kit

New Platforms

pSeries 620 Model 6F1

- Powerful, up to six-way 64-bit, SMP deskside server with copper chip technology.
- A choice of 2, 4 (450Mhz), or 6 (668Mhz) copper-based 64-bit RS64 III/IV microprocessors. Unique IBM copper chip technology produces faster and more reliable processors, improving speed and reducing heat generation.
- Significant enhancements over its predecessor (Model F50), with more than three times the commercial processing performance.
- Main memory of 512 MB to 32 GB.
- Two system buses, each 128 bits wide, providing over twice the system bandwidth.
- Greater I/O bandwidth (1 GB/sec).
- Ten 64-bit hot plug PCI adapter slots, a built-in 10/100 Mbp-s Ethernet port and one integrated Ultra SCSI and one external Ultra2 SCSI controllers.

Basic 6F1 configurations:

6 CPUs	6W 668MHz RS64 IV Proc	18 GB system disk	36 GB x 2 user disks	1.5 GB RAM
4 CPUs	4W 450MHz RS64 III Proc	18 GB system disk	36 GB x 2 user disks	1 GB RAM
2 CPUs	2W 450MHz RS64 III Proc	18 GB system disk	36 GB x 2 user disks	512 MB RAM

HammerHead 44P-170

- Single Power 3+ 400 MHz processor
- Significant enhancements over its predecessor (Model Tiger II)
- Memory 256 – 2GB
- 2 64 bit PCI adaptor slots, 4 32 bits, a built in 10/100 Mbp S Ethernet port, one integrated Ultra SCSI controller and one external Ultra 2 SCSI controller.

Basic configurations:

1 CPU	400 MHZ Power 3+	18 GB system disk	36 GB user disk	256 MB RAM

Brisque Open

Brisque Open offers you an open and flexible workflow environment by allowing you to expose your digital files and imposed flats on a variety of Creo output devices, such as the Trendsetter platesetters, and any other output devices that accept the standard TIFF file format (TIFF/G4. TIFF LZW or Pack Bit TIFF file formats). Brisque Open features the built-in **Screen2Go** application, which integrates effortlessly into your current workflow.

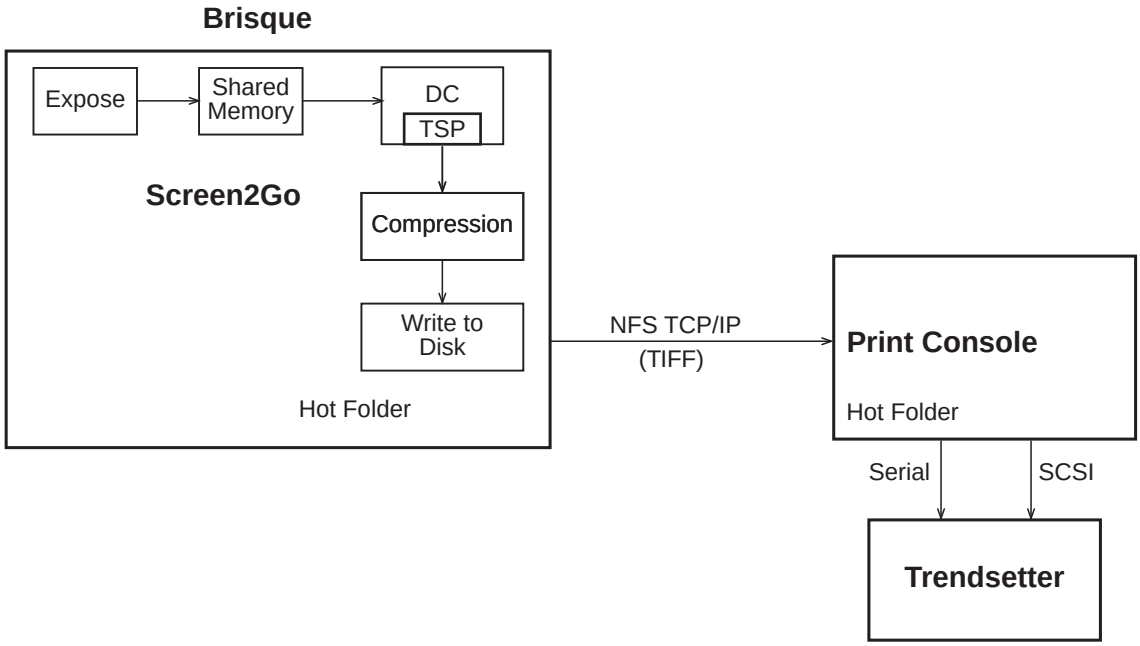
Screen2Go

The built-in **Screen2Go** application in the Brisque allows you to expose any Brisque Job on a variety of Creo output devices and other output devices that accept the standard TIFF/G4, TIFF LZW or Pack Bit TIFF file formats. **Screen2Go** creates an output TIFF file from the input Brisque Job and sends the file to a predefined "Send" Hot Folder on the Brisque.

New Features

- The specific media sets of the output device are defined on the Brisque in the **Config** window. Then, when you submit jobs to **Screen2Go**, you simply select the appropriate media set for the output media you are using.
- Output file rotation of 90, 180 or 270 degrees.
- Alignment of the input file with the output media.

Note: Screen2Go is only compatible with Creo TurboScreening.



Brisque-to-Trendsetter via Screen2Go

Operation Guidelines

Screen2Go and **one** additional screening application to a laser device are allowed in the following conditions:

- For a single processor (43P) Brisque - two **serial** screening operations using one TSP board.
- For an SMP (F50 and 6F1) Brisque - two **parallel** screening operations using two TSP boards.

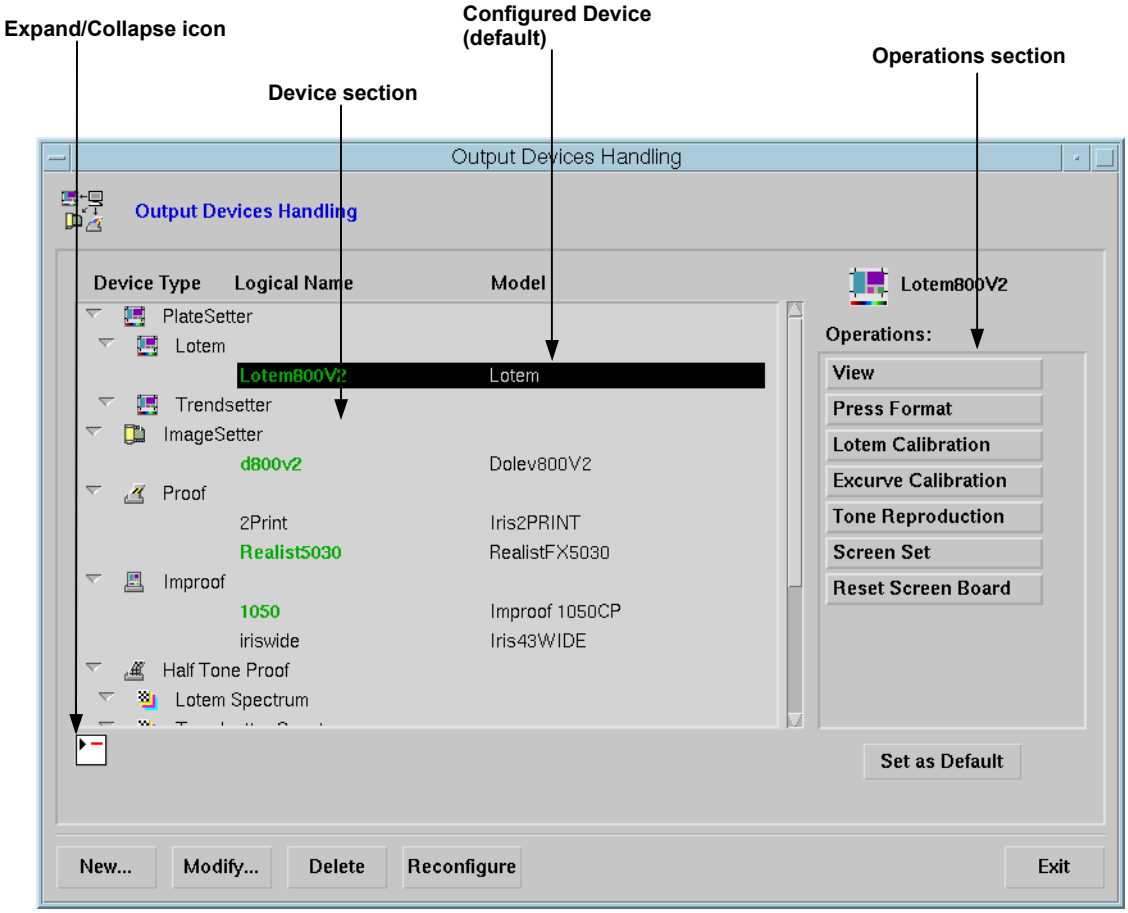
Note: The Parallel Operations option is password protected. To use this option, you must purchase a license.

Limitations/Prerequisites:

1. Screen2Go cannot be loaded on an E30 platform as this platform does not support CTP workflow.
2. A Brisque connected to an output device (CTF/CTP) with VLSI should be upgraded to TSP prior to the Screen2Go installation according to the Operation Guidelines specified earlier.
3. TSP and SFL-VLSI boards are not supported on the same station.
4. Screen2Go cannot operate on a Brisque that is connected to an output laser device that does not use the TSP interface (such as, Dolev 200/400).
5. Screen2Go and KodakXP4 are supported on the same station on an SMP Brisque with an additional TSP board.
6. Brisque Version 4.0, on an F50/6F1 platform, can perform only two serial screening operations with one TSP board. In order to perform two parallel screening operations, you need two TSP boards and the Parallel Operations password.

Output Device Configuration

Output Device Configuration is a new application on the Brisque that handles the configuration of all output devices. **Output Device Configuration** replaces the separate *Config* applications and includes a wizard for defining new devices, method of connectivity and other options specific to each device type (such as, defining screen sets or defining tone reproduction curves).



The Output Devices Configuration Main Window

- **Device section** - The Device section enables you to view all the possible devices to be configured in the Brisque.

  The section is comprised of three columns:

  - **Device Type -** This section displays the Device Groups, such as Platesetter, Imagesetter, Proof, Improof and Half Tone Proof. Under each group, the list of Device Families appear, such as Lotem and Trendsetter for the Plate Setter group, Lotem Spectrum, Trendsetter Spectrum and Kodak for the Half Tone Proof group, and so on. Each level is locally expandable/collapsible, using the triangular button at the left bottom corner.

  - **Logical Name -** This column displays the name of a specific configuration connection. When highlighted, the relevant operations in the Operations section are enabled.

  - **Model -** This column displays the physical device name.

- **Operations section -** This section includes the possible operations relating to the output devices. Select a device to enable its related operations. Some operations are device-specific; some are applicable to all output devices.
- **Reconfigure -** Reestablishes the connection to the device.

  Click **Reconfigure** to re-engage the device (Online mode); a message is displayed confirming the connection or warning of the failure to connect.

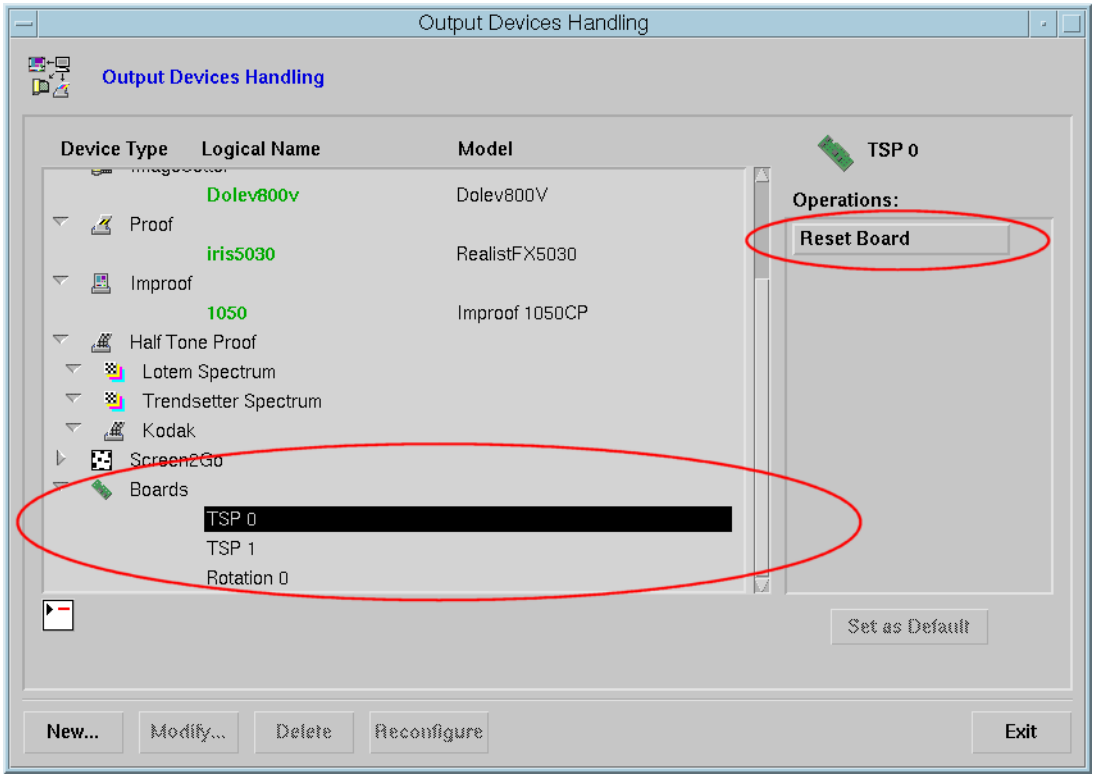
  When a device is configured the data is read and registered in the Brisque database. Disengaging the device, or failure of a component is not logged in the Brisque, and there is no mechanism to warn of the device disconnection. **It is, therefore, recommended to reconfigure the device prior to every use and after every change of cassette**.
- **Set as Default -** Defines the default device when several devices of the same type are configured. The default device appears in green and it automatically appears in various windows when performing operations relevant to the device.

  ➢ To change the default device, select the device displayed in black and click Set as Default; the selected device is displayed in green.

Boards

The Brisque identifies the boards that are currently installed and is able to reset (not configure) a specific board upon request.

To reset, select a specific board and click **Reset Board**.



Multi-Device Support

Brisque Version 4.0 introduces Multi-Device Support, making it possible for you to work with several output devices, all at once.

The simultaneous support of several output devices offers greater workflow flexibility and easy management of jobs from one queue manager to different output devices from the same station, at the same time.

You can output jobs to different types of output devices according to desired output result. For example, you can output to an IRIS proofer, a Lotem platesetter and a Dolev imagesetter at the same time. You can also output jobs to different devices of the same type. For example, you can output proof jobs to two IRIS proofers according to layout size or availability of the proofer.

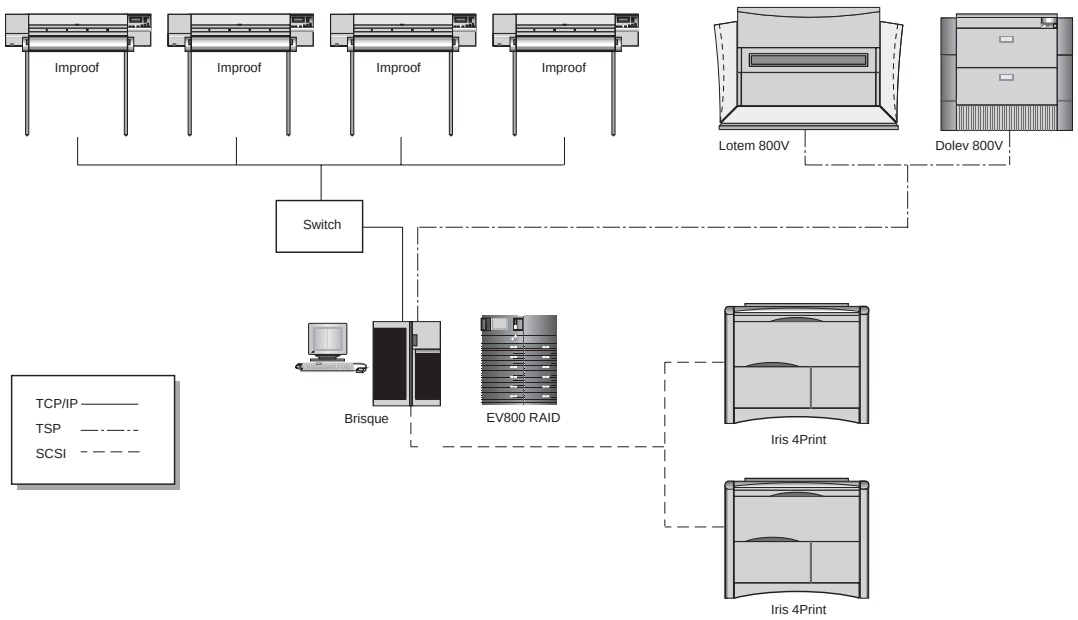
Multi-Device Support lets you connect up to 2 IRIS proofers, 4 imposition proofers, 1 Lotem platesetter and 1 Dolev imagesetter to the same Brisque station (see ***Supported Hardware Configurations*** below).

Supported Hardware Configurations

- Multi-device configuration is available only for SMP (multi-CPU) platforms of models F50 & 6F1.

  Brisque station (6F1 with 6 CPUs) and Brisque station (F50 with 4 CPUs) can drive up to:

  - 4 imposition proofers (via TCP/IP), plus
  - 2 proofers (SCSI interface), plus
  - 1 platesetter and 1 imagesetter (connected with 2 TSP boards and 1 rotation board).



Multi-device configuration

The throughput performance for the various configurations is dependent upon the platform configuration.

Preview

The new **Preview** application of Brisque Version 4.0 incorporates the **Preview** and **Layout Assembly** applications of the previous Brisque versions, adding new features and a new look for easier operation.

New Features

- Support of two **Preview** operations at the same time
- Automatic step-and-repeat
- **Ungroup** - the option to ungroup the repeated elements of the step-and-repeat operation.
- A new **Measurement** tool
- Multiple selection - the **Select** tool lets you select several elements at the same time.
- **Marks Set** support - Brisque Version 4.0 enables you to create sets of marks to be placed relative to a Page or a Layout. Instead of placing each mark, one by one, you select a set of marks from the Marks Set. When you create a new set of marks, you can set the exact location of each mark (by setting a reference point and offset values) and save the locations of the marks as part of the set.

  Note: The sets of marks are created in the Brisque **Marks** application.

- Added rulers and guide lines
- A **Grid** option including **snap to grid**.
- An option of resizing the Layout (Preview Layout window) on screen.
- A new **Layout Arrange** feature that enables an automatic arrangement of elements in the layout.
- A new **undo** option - to cancel your most recent actions.
- **Quick Preview** - a new display mode used for a faster preview with lower resolution than the **Low Res Images** display mode. The **Quick Preview** display mode is useful when the actual Pages of the Job are located in a remote station or server.
- **Replace Multiple Pages** - an option to replace a range of Pages or a multiple selection of Pages simultaneously.

  Note: This option only applies to Imposition Jobs that originated from Preps that had not been modified on the Brisque.

- New **Preview Preferences** (in Brisque **Prefs.** utility). See also ***Preview Preferences*** on ***page 41***.
- **Versioning support** - Preview recognizes a Version Job and displays a list of all version separations in the *Separations* window. The versions can be viewed one at a time and the user can toggle between the displayed versions. For details about the Versioning workflow, see ***Versioning*** on ***page 28***.
- **Packaging support** - Preview recognizes a Packaging Job (PKG) and can be incorporated in a Packaging workflow. For details about the Packaging workflow, see ***Packaging*** on ***page 26***.

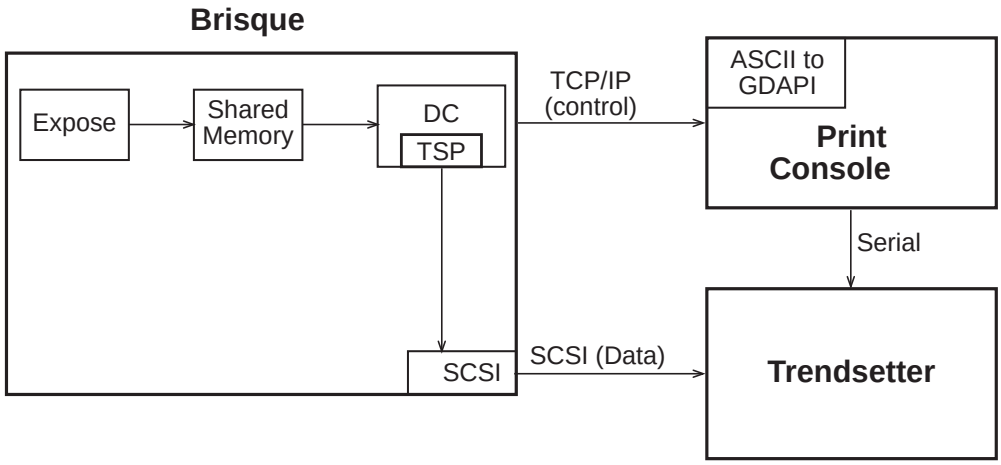
  When creating a layout with overlapping repeated elements (with the **Repeat** option), the result is a Packaging Job (PKG).

Connectivity to Trendsetters

Brisque Version 4.0 introduces a direct connection to Creo Trendsetters via a dedicated cable from the Brisque to the Trendsetter. The Print Console is part of this configuration holds plate size information and does not send any image data to the Trendsetter. The image data is sent to the Trendsetter directly from the Brisque.

The Brisque-to-Trendsetter workflow uses TSP screening to write the bitmaps, and they are imaged on the Trendsetter using Square Dot technology.

A connectivity kit is required for this feature.



Brisque-to-Trendsetter configuration

- The TSP board connects via SCSI to the Trendsetter.
- The Brisque has full control over the Expose operation and the entire workflow.
- The **Plate Expose** application on the Brisque is used to expose directly on the Trendsetter.
- The new **Spectrum** application on the Brisque is used to proof directly on the Trendsetter Spectrum. See ***Spectrum*** on ***page 24***.

Configuration:

- Brisque Version 4.0
- Brisque Agent (GDAPI Server) 1.00.034 or later
- Print Console 2.0.1.24 or later

Supported Trendsetter models:

- Trendsetter 400 Quantum(4-up)
- Trendsetter 800 Quantum(8-up)
- VLF Trendsetter
- Trendsetter Spectrum

Supported Platforms:

- 43P-150 (Tiger2)
- 44P-170 (Hammerhead)
- F50
- 6F1

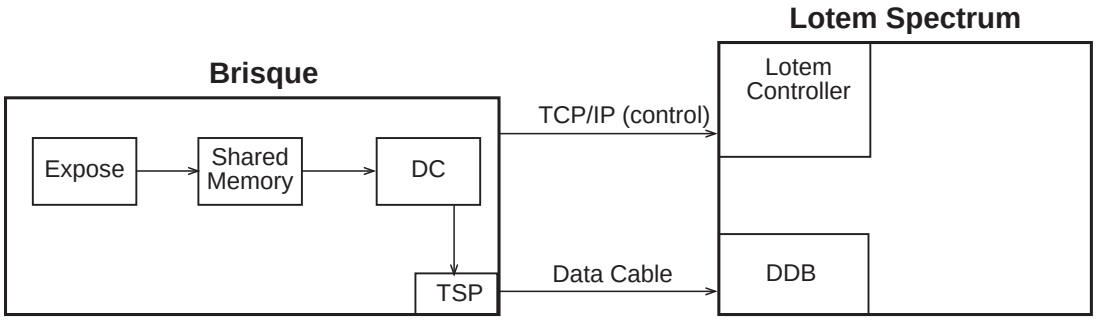
Spectrum

Brisque version 4.0 supports halftone proofs for Brisque and Impo jobs on a Trendsetter Spectrum via the new **Spectrum** application.

Spectrum sends files to the Trendsetter Spectrum to generate a halftone proof on donor sheets. The sheets are manually arranged in a carrier and loaded into the Trendsetter.

Parameters such as image **Fitting** and **Image Positioning** are applied to the proof. The application is capable of scaling an input file supporting any resolution to the device resolution. (For example, the input may be 3600 dpi and output 2400 dpi). The layout determines how images are arranged on a defined Proof area (Auto Arrange, Single, External or Reader Spread). Screen Sets and Tone Reproduction curves must be applied to the proof. The **Spot Color Handling** feature defines donor use when processing non-process colors.

Connectivity to Lotem 800V Spectrum



Brisque-to-Lotem 800V Spectrum configuration

LotemSpectrum

Brisque 4.0 supports halftone proofing of a Brisque Job and an Imposition Job on a Lotem 800V Spectrum platesetter via the new **LotemSpectrum** application in the Brisque.

LotemSpectrum lets you define the proof parameters of a Brisque Job. Parameters such as Layout orientation, image offset, separation handling, Screen Set, and if required, an Excurve and a Tone Reproduction Curve, can be applied to the proof. Then, you submit the Job to the Brisque template that contains the **LotemSpectrum** step in order to automate direct exposure on the Lotem 800V Spectrum platesetter.

Connectivity to Lotem Quantum

Brisque version 4.0 supports the connectivity to the new Lotem Quantum platesetter. The Brisque must be configured with two turbo screen processor boards for the higher throughput.

Based on the Lotem 800, the Lotem Quantum is equipped with a new thermal head (TH2). The new head produces square dots instead of round, and is installed with a fixed resolution of either 2400 or 2540 dpi (94.48819 dpm or 100 dpm depending on the thermal head installed).

Packaging

Brisque Version 4.0 enhances the Brisque Version 3.0 Packaging functionality with the **BrisquePack** packaging workflow solutions. In addition to the standard PostScript workflow, there are several different workflow solutions for the packaging market, all incorporating the Brisque Packaging (**PKG**) Job:

- BrisquePack step-and-repeat
- BrisquePack Low Resolution Stepping (LRS) Workflow
- BrisquePack PCF Workflows:
    - Via Creo StepOne
    - Via other step-and-repeat editing applications, such as ArtWork Systems ArtPro, and Barco PackEdge or Plato.

General New Features

- Packaging (**PKG**) Jobs (including step-and-repeat and/or nested Jobs) are supported by Preview, Send, Store, Storage, Proof, Kodak, Kodak XP4, Improof, Combine, InkPRO, ImpoCheck, Expose, Plate Expose, Lotem Spectrum, Spectrum and Screen2Go.

BrisquePack step-and-repeat

Brisque 4.0 **Preview** introduces new features that provide solutions for the packaging workflow.

New Features

- **Preview** features a step-and-repeat option that allows nesting and grouping.
- Step-and-repeat can be included in a template (by including **Preview** with step-and-repeat parameters).
- Assign sets of marks per layout and/or single element in **Preview**.

Note: The sets of marks are created in the Brisque **Marks** application.

BrisquePack Low Resolution Stepping (LRS) Workflow

The LRS workflow is an open and flexible workflow based on low-resolution EPS files. In addition to the high-resolution CT & LW files, an EPS file is created by the Brisque when RIPping the single element on the disk. Then, any desktop or step-and-repeat editing application can create the step-and-repeat layout using the EPS file. The final PostScript file is then printed to the Brisque. The low-resolution stepped and repeated element in the PostScript file is automatically replaced by a single link to the RIPed high-resolution file. During output, the Brisque reads the RIPed file, repeating it on-the-fly according to the layout description.

BrisquePack PCF Workflow

Several Macintosh-based packaging applications, such as Creo **StepOne**, ArtWork Systems ArtPro, and Barco PackEdge or Plato, can create a **PCF** file (Packaging Control File), which is supported by the Brisque. The **PCF** file is similar in nature to the ICF file used in the imposition workflow. The Brisque processes the information contained in the **PCF** file, using the **PCF RIP** module, and creates a **Brisque Packaging (PKG) Job,** which can be driven to imposition proof and film, plate (offset and flexographic) and cylinder exposure.

Creo StepOne

The newly developed Macintosh-based Creo **StepOne** application provides a packaging workflow solution for the package print market, designed specially for integration with the Brisque production environment.

StepOne takes a CAD file (CFF2 or DDES2 format) containing the package form (shape) design information, aligns it with the high-resolution Brisque Pages (located on the Brisque), performs step-and-repeat for CAD files that do not contain step-and-repeat information, and creates a **PCF** file (Packaging Control File). The PCF file is then translated to a Brisque Packaging Job on the Brisque (by PCF RIP), which can be sent for exposure on numerous materials by any Creo output device.

Note: The LRS and PCF workflows are password protected. You must purchase a license for each workflow.

Versioning

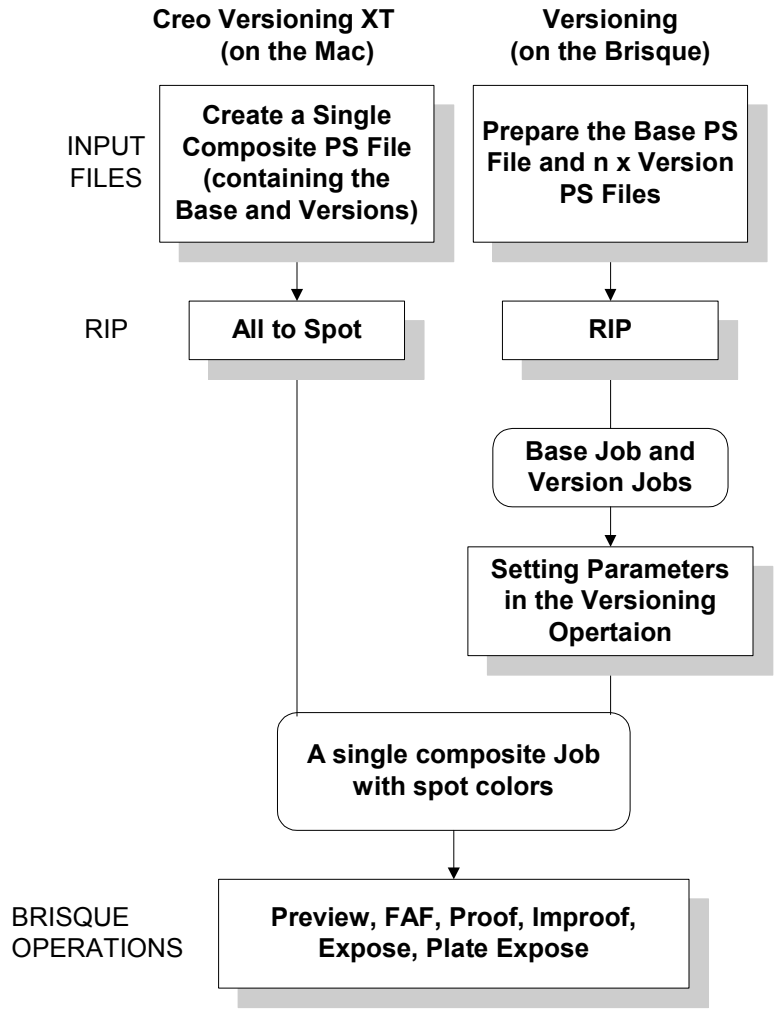
Brisque Version 4.0 introduces Versioning with a new workflow that supports variable data in a Brisque Job.

A Version Job contains general data - a **Base** (composed of LW and CT), and variable data - **Versions** (only LW file format is supported in this version).

The Base contains the common data and the Versions contain the data that changes (for example, the different languages prepared for the same brochure).

The user may use the **Creo Versioning XT** (on the Macintosh) or the **Versioning** application on the Brisque.

Note: Both solutions are password protected. You must purchase a solution for each license.



Versioning workflows

Creo Versioning XT

The Macintosh-based XTension was developed for QuarkXPress™ 4.1 and higher. It is intended for customers who have full control over entire versioning workflow from design to postscript. It allows users to keep several named versions of textual content within a single QuarkXPress document. The creation and assignment of versions is managed via the extension **Versioning** palette.

Versioning Operation on the Brisque

The Versioning application on the Brisque is intended for customers who receive separated PostScript files from several sources and need to combine them into one composite Job composed of a Base and Versions.

Outputting Version Jobs

The outcome of both workflows is a single Brisque Job in which the variable data is shown as additional special separations (that is, spot colors) in the LW file.

Versioning is supported by the following output operations:

- **Preview** – you can toggle to preview the various Versions.
- **FAF** - the Version separations are automatically ignored in the Full Auto Frame processing.
- **Proof** –in **Automatic** mode, each proof contains the **Base** and one **Version**. In **Manual** mode, you may decide which Versions to proof (and whether to include the Base).
- **Improof** – supports the same functionality as **Proof**, and an additional **Misalignment Check** feature.
- **Expose** – You can output any, or all, versions.
- **Plate Expose** - supports the same functionality as **Expose**.

CheckLW

If a LW file is corrupt, **CheckLW** examines the structure of the LW file and corrects it or alerts the user with an error message.

Brisque Version 4.0 Enhancements to Existing Features

This section describes Brisque 4.0 enhancements to the following existing features:

- System Enhancements
- General Enhancements
- Brisque Utilities and Preferences
- Queue Manager
- Normalize
- PDF Preflight Check & Auto Correct
- Acrobat Reader 4.05
- RIP
- FAF
- Marks
- Merge
- Translate
- CopyDot workflows
- Export PS
- PDF2Go
- Proof
- Improof
- Kodak XP4
- Screen Sets
- Expose
- Plate Expose

System Enhancements

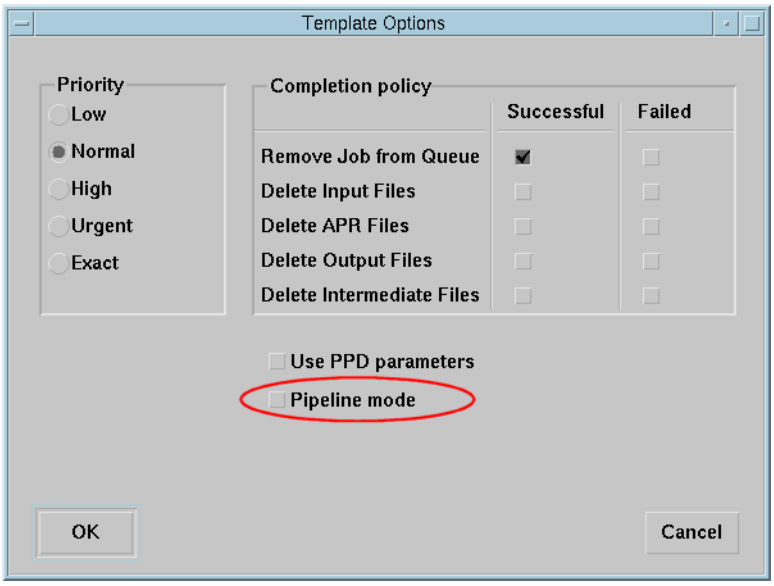
New Features

- Support of RAID EV800 (LVD).
- Support of Gigabit adapter.
- **Rotation board** - in **scismit,** two new options to enable/disable and Show Board Type.
- **Platform Information -** in **scismit**, an option of displaying a configuration list of the installed platform including machine type and memory setup. Also, for each of the "on board" ports and PCI slots, it displays the installed boards with each board's changeable parameters and the devices that are connected to each of these boards.
- **New size options** - in **scismit,** new disks can be configured in the following sizes: 64 GB, 32 GB, 16 GB and 8 GB.
- **Update AIX Recommended Maintenance Level -** in **scismit**, you can load this update from the ADD-ON CD. To load: scismit > Software Handling > Update AIX Recommended Maintenance Level.
- Increased size of file systems for the **Marks** and **Fonts** libraries.

General Enhancements

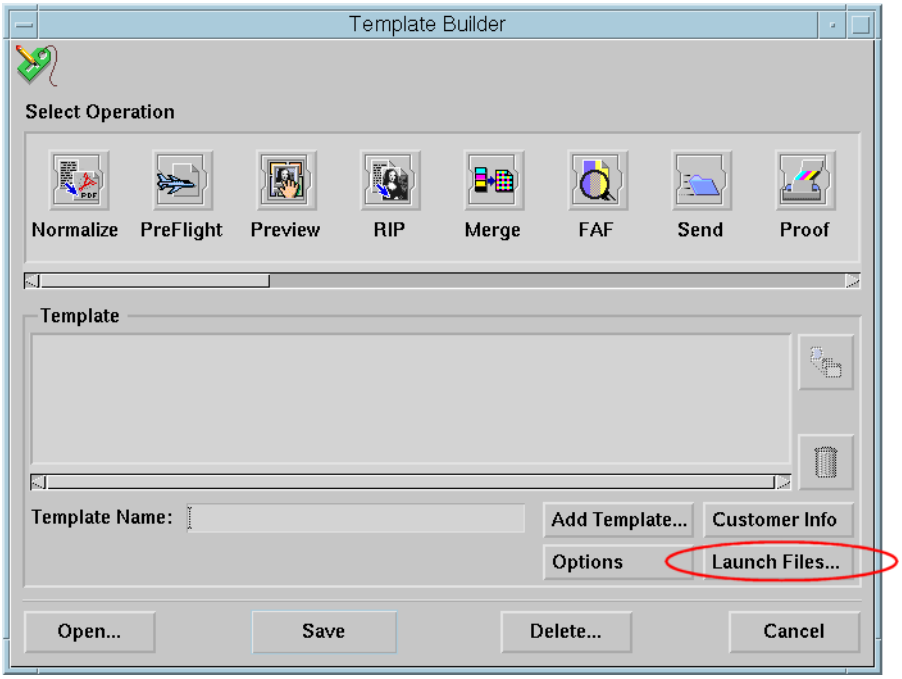
New Features

- **Pipeline mode** option is supported in job ticket templates that include both the RIP and FAF applications.



- New PPDs for Brisque Version 4.0.

- **Launch Files** - In the Template Builder, when creating a new template, you can immediately submit files to this template. After you select the file(s), press **Save & Launch** to save the template and submit the selected file(s) to the template.



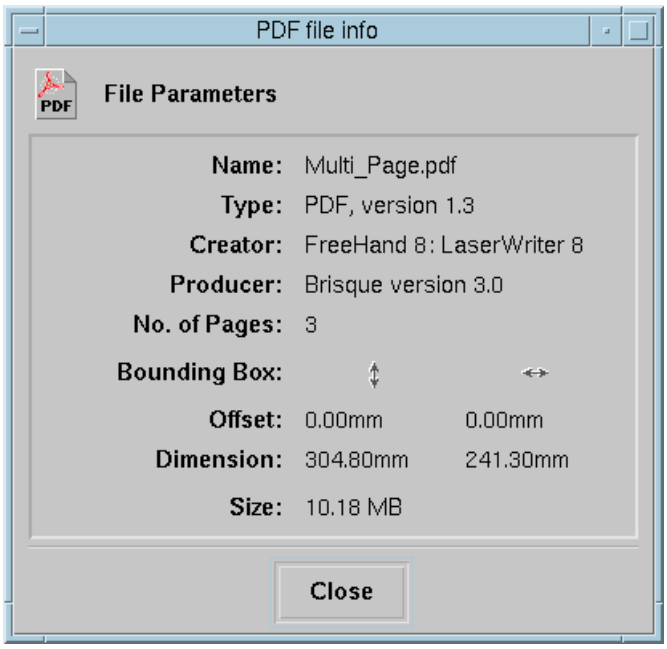
- **Archive & Compress -** lets you pack and compress all files in a Job, Page, folder or stored folder into one tar format file. Access this option from the right-click menu.
- **Rebuild Desktop -** this option starts the desktop rebuilding operation automatically, one hour after the completion of the last desktop rebuilding operation. **Rebuild Desktop** creates a log file ***scitex/version/logs/rebuild.log***, which is rewritten upon completion of the Rebuild operation.

  The Rebuild command structure was changed to `rebuild -f`.

Brisque Utilities and Preferences

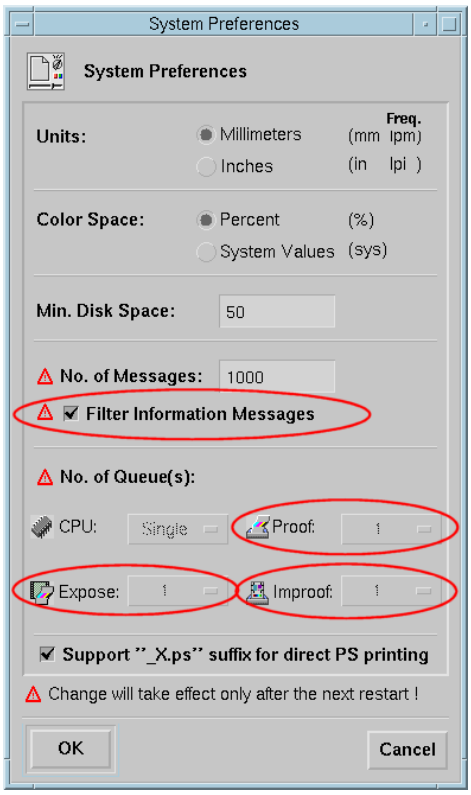
New Features

File Information



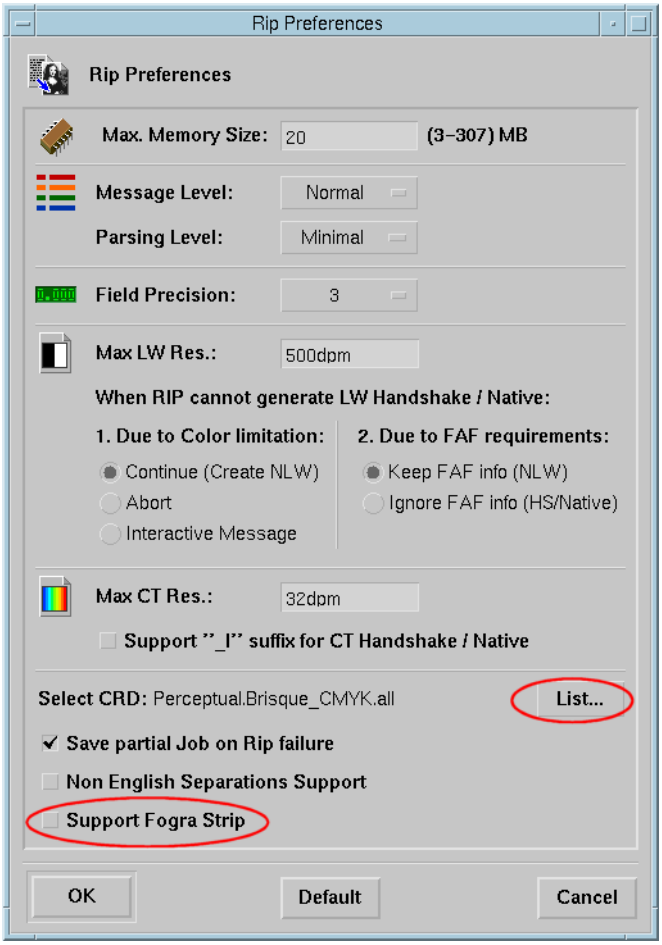
- Support for PDF files.

System Preferences



- **Filter Information Messages -** to eliminate display of information messages on the screen. All information messages are logged in the log file and appear in the Message Viewer. This option reduces the number of messages popping up on the screen, which appear in substantial quantities especially when working with multiple CPUs. Messages that require user reply are not filtered.
- **Multi-CPU/Device Support** - select the appropriate options of **CPU**, **Proof**, **Expose** and **Improof** boxes according to your output device configuration on the Brisque. For details, see ***Multi-Device Support*** on ***page 21***.

RIP Preferences



- **Select CRD** - Brisque 4.0 provides eight new CRD tables. They include one set of 4 Rendering Intents for RGB to CMY conversion and one set of 4 Rendering Intents for RGB to CMYK conversion. Each set includes **Perceptual**, **Saturation**, **Absolute** and **Relative** Rendering Intents.
    - **Perceptual** - compresses the total gamut from one device color space into the gamut of another device color space. This preserves the visual relationship between colors by shrinking the entire color space and shifting all colors to proportionally fit the destination color space.

      Perceptual is used to achieve a more press-like appearance from your digital printer.
    - **Saturation -** reproduces the original image color saturation (vividness) when converting into the target device's color space. The relative saturation of colors is maintained from one gamut to another.

      Saturation is used primarily for business graphics, where the exact relationship between colors is not as important as are bright saturated colors.
    - **Absolute** - colors match exactly with no adjustment made for white points or black points, which would alter the image brightness. For example, a white (no ink) may appear "yellowish" on a newspaper, and in Absolute Colorimetric mapping, you want to achieve that same yellow background on a proof.

Absolute Colorimetric is valuable for rendering "signature colors", those that are highly identified with a commercial product. It is also used when printing scanned RGB images, for emulating different paper conditions on white paper and when the printer serves as a proofer for another print device.

  - **Relative** - colors that fall in the color gamut of two devices are left unchanged. When a source color falls out of the destination gamut, it is mapped to the closest possible color within the gamut of the target color space. In addition, white point adjustment is performed so that the white areas, which may appear "bluish" on some monitors, will be mapped to white on paper. This rendering intent can cause two colors that appear different in the source color space to appear the same in the target color space.

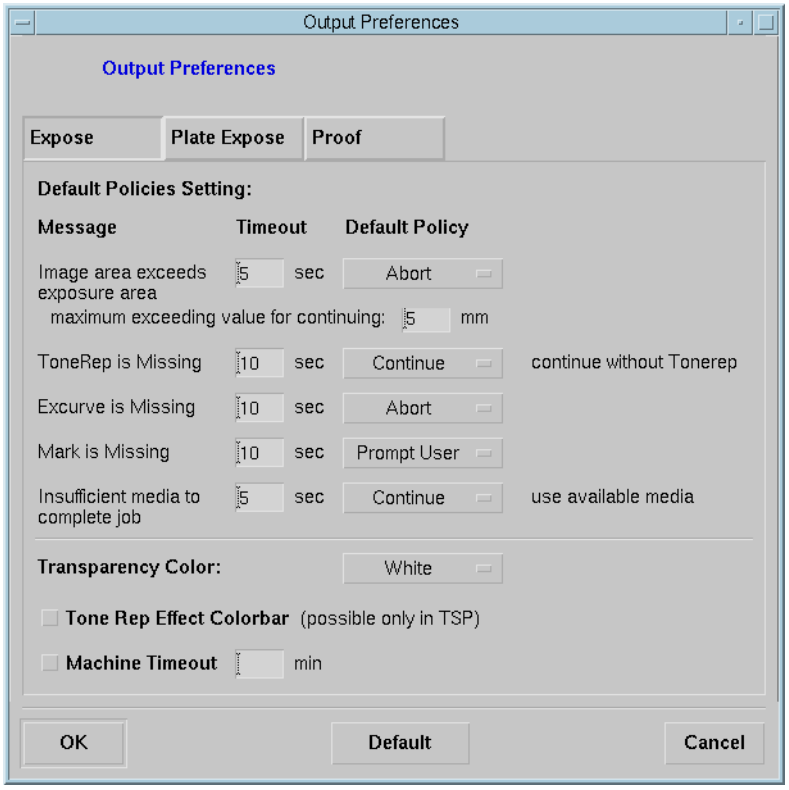
- For customers who are used to working with other CRDs, Brisque 4.0 provides a new option of installing customized **CRD** tables to select from during the RIP process. The customized **CRD** tables are copied into a Brisque shared volume on the Macintosh and the user can select the CRD table he wants in the RIP preferences window.

- **Support Fogra Strip** - for customers who use this calibration strip in PostScript files.

Output Preferences

A new set of preferences in the Brisque Preferences utility that lets you set a default policy for output operations on the Brisque. The preferences include setting defaults for various parameters in the **Expose**, **Plate Expose** and **Proof** applications. For example, if a mark is missing, the user can choose between a default policy of continuing or aborting the operation.

Expose preferences tab:



New Features

- **Default Policies Setting** - to set a default policy for the warnings listed in the **Message** column.
  - **Timeout** - for each of the listed warning messages, you select the length of time (in sec) the warning message is displayed on the screen.
  - **Default Policy** -

    Select **Continue** for the Expose operation to continue in spite of warning.

    Select **Abort** to terminate the Expose operation due to the warning.

    Select **Prompt** User for the operation to halt for user decision.

Note: The **Insufficient media to complete job** message lets you choose whether to continue abort or prompt user when there is not enough film to complete a full job.

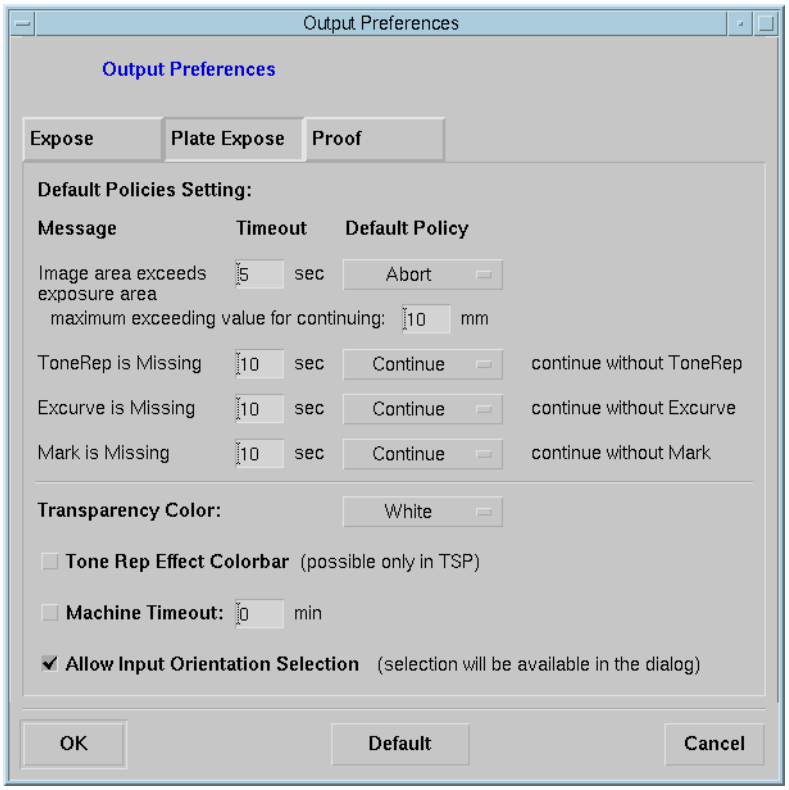
- **Transparency Color** - In case of an overlap of Pages in an Imposition Job, select which of the overlapping colors is to be treated as transparent.

- **Tone Rep Effect Colorbar** - In the Screen2Go and Expose operations, you can choose whether to apply Tone Reproduction curves to the color bar when using TSP screening.

  Note: When using VLSI screening, the curves are always applied to the color bar.

- **Machine Timeout** - To set the delay until the Brisque aborts the Expose operation. For example, the delay when loading a plate manually, the delay when waiting for loading of a new cassette.

Plate Expose preferences tab:

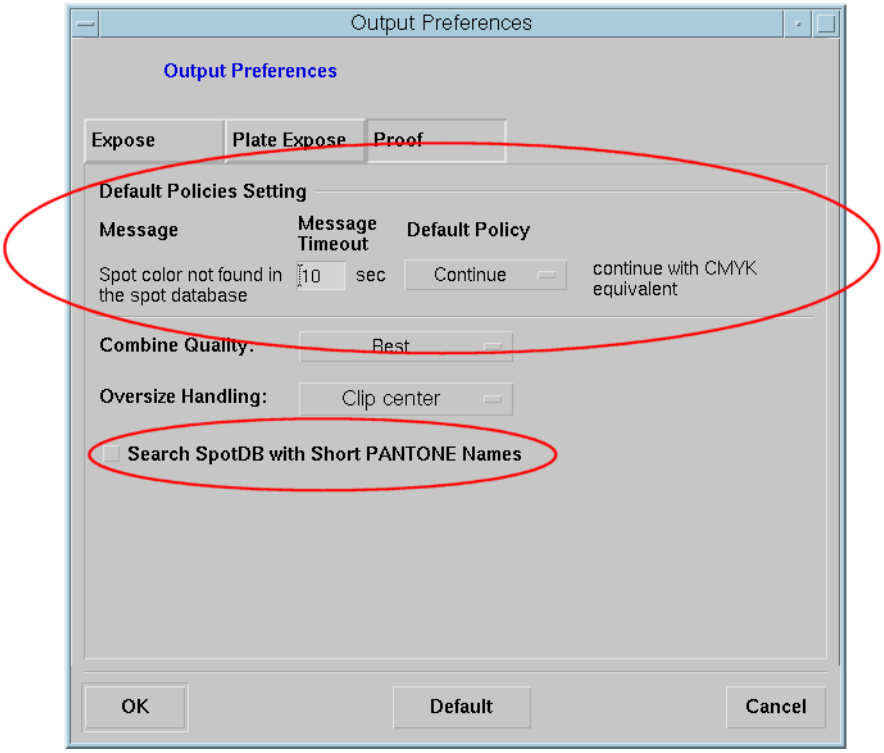


New Features

- **Allow Input Orientation Selection** - If you select this option, a new field appears in the Plate Expose application window that allows you to choose the desired rotation (see also ***Plate Expose*** on ***page 67***).

For details as to the other options in this window, see the new features of the Expose preferences tab on ***page 37***.

Proof preferences tab:



New Features

- **Default Policies Setting** - a default policy for spot colors in the **Proof**, **Improof**, and **KodakXP4** applications. If a spot color is missing in the Spot Database, you can define the default policies used by the Brisque when proofing a job. If a spot color is not found, you can choose to abort, prompt user or continue with CMYK equivalents.

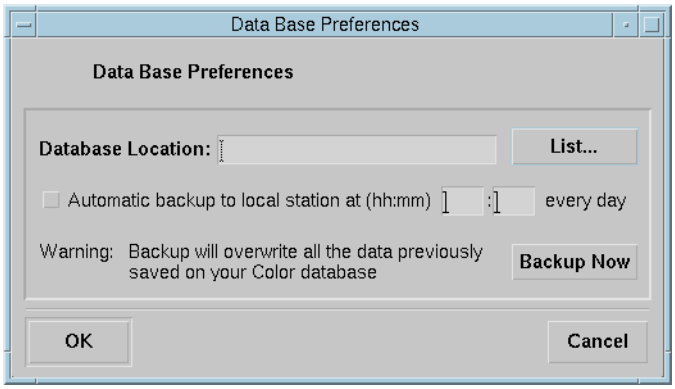
  Message Timeout - lets you set the duration of the message.

- **Search SpotDB with Short PANTONE Names -** select this option to ignore the Pantone® name suffix.

Color DB Preferences

Before using the Color Database, you must define the location of the Color Database server. This will activate the Color Database on the dedicated database server.

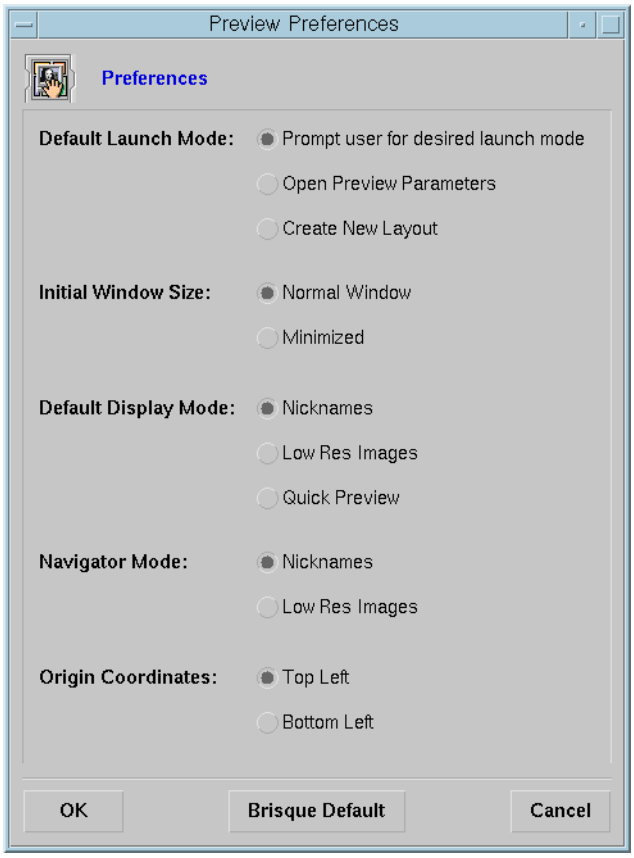
Defining the database location is required on all Brisque stations connected to the Iris proofers at your work site.



- **Database Location** - type the station name to define the location of the central Color Database.
- **Automatic backup to local station at (hh:mm) every day** - backup of the Color Database in the local Brisque workstation with a pre-defined schedule. To be used if the database server is located on a remote Brisque station.

Preview Preferences

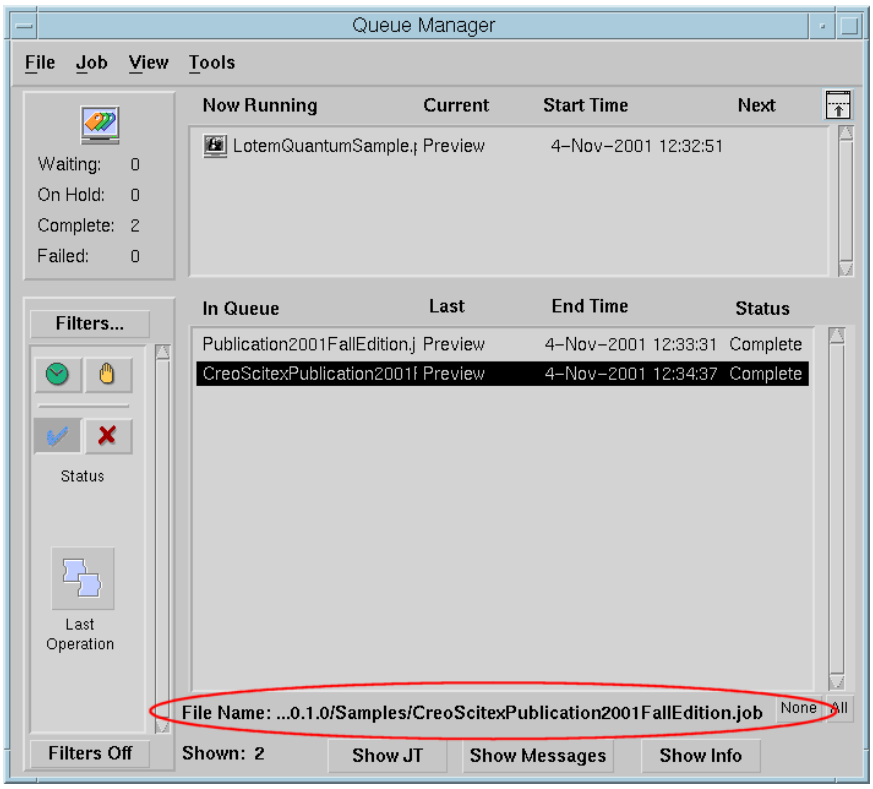
The Preview preferences let you define default settings for the **Preview** application. The settings include a default launch mode, an initial window size, a default display mode, a navigator display mode and pointer origin coordinates.



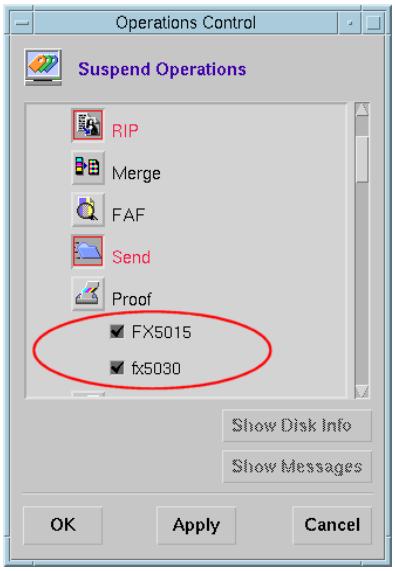
See also ***Preview*** on ***page 22***.

Queue Manager

New Features



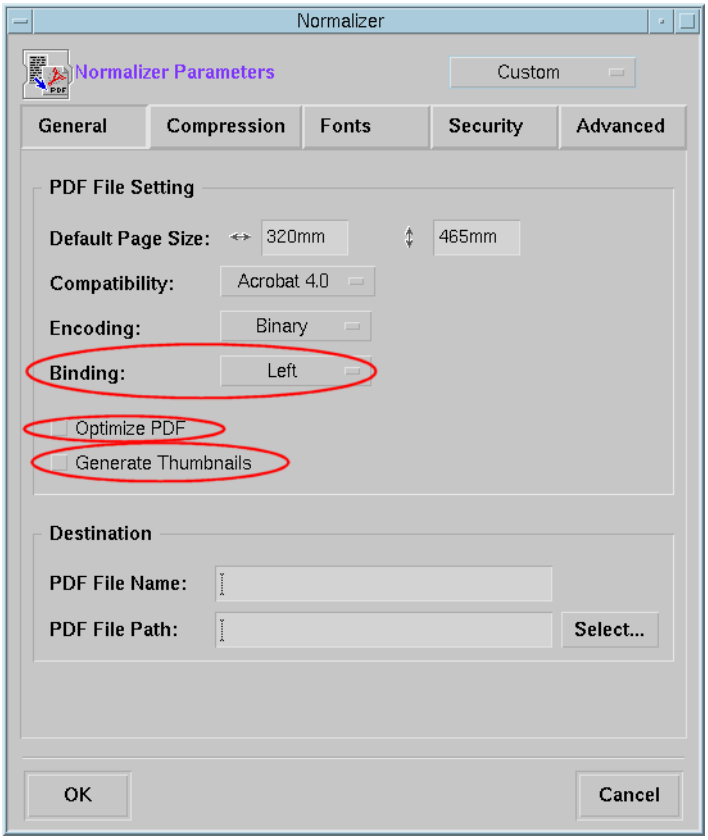
- **File Name** - displays the path and full name of the selected Job.
- The **Operations Control** window supports customization of specific devices and operations. You can now select the operation and specific device you want to control.



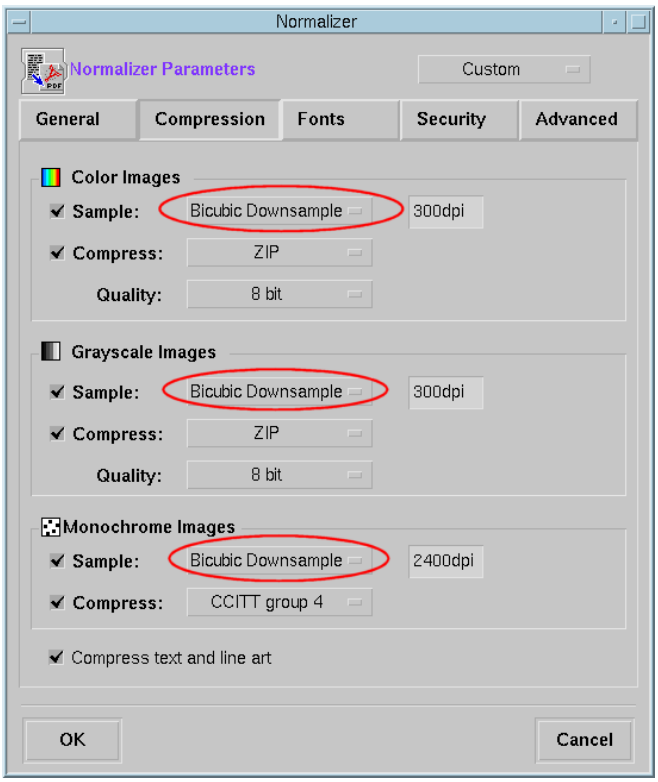
Normalize

Normalize on the Brisque is the OEM version of Acrobat Distiller 4.05. It enables the conversion of PostScript Level 2 and PostScript Level 3 to PDF.

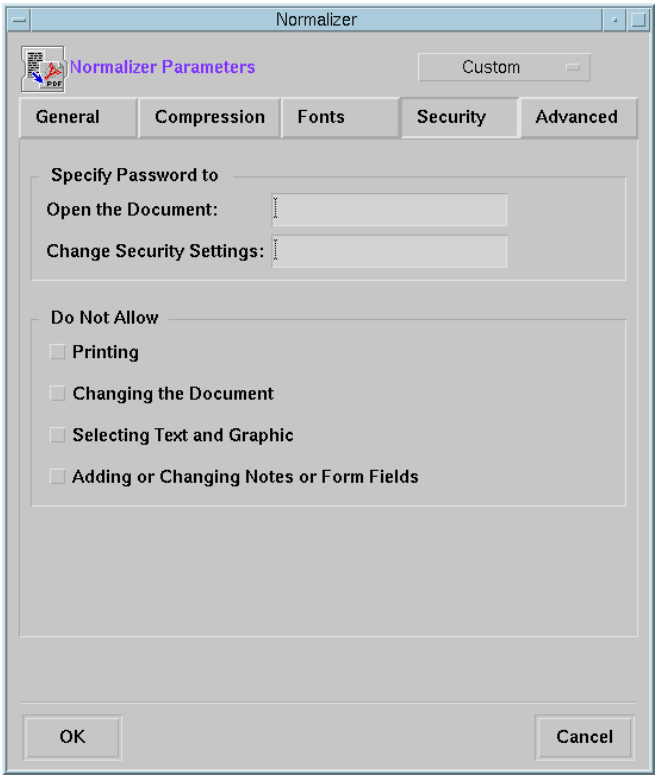
New Features



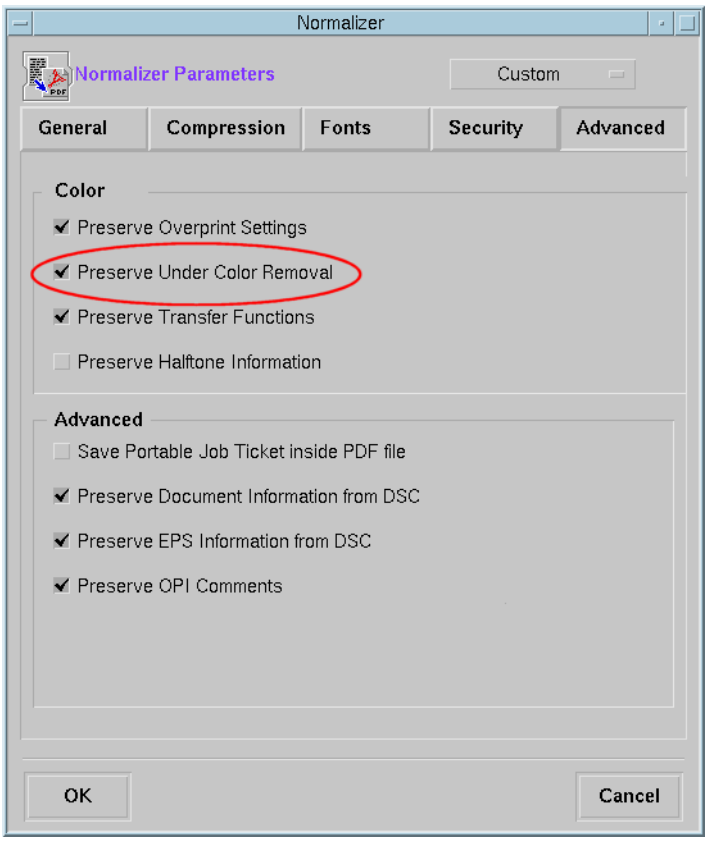
- **Binding** - Left or Right (in the *General* tab)
- **Optimize PDF** (in the *General* tab)
- **Generate Thumbnails** (in the *General* tab)



- **Bicubic Downsample** (in the *Compression* tab)



- A new **Security** tab featuring **Password** and **Do Not Allow** options.



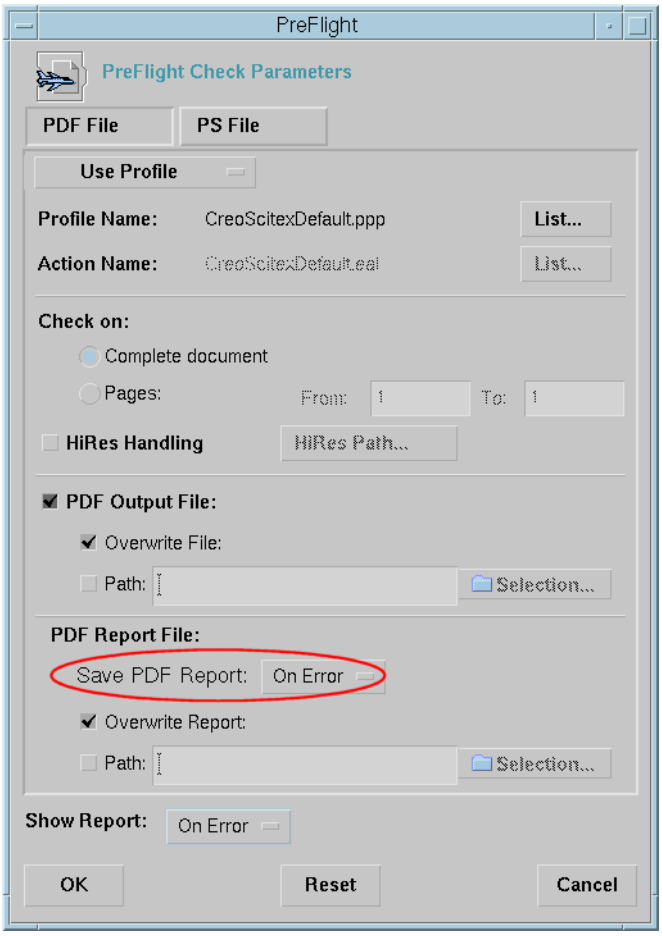
- **Preserve Under Color Removal** (in the *Advanced* tab)

PDF Preflight Check & Auto Correct

PDF preflight profiles and automatic corrections based on action lists can be defined very early in the process using Enfocus PitStop 4.05 plug-in for Adobe Acrobat, thereby saving time and reducing errors. Both preflight profiles and action lists can be exported to a shared Brisque volume on the Mac, to be performed on the Brisque.

New Features

- **Font Handling** is defined on the **Enfocus PitStop 4.05 Plug-In** instead of in the Preflight window of the Brisque.



- **PDF Preflight Check parameters -**
  - The **Save PDF Report** option now has three choices: **No**, **On Error** and **Yes**.
- New Creo default Preflight Check profile with enhanced focus on Brisque production.

Acrobat Reader 4.05

Acrobat Reader 4.05 replaces Acrobat Reader 4.0.

RIP

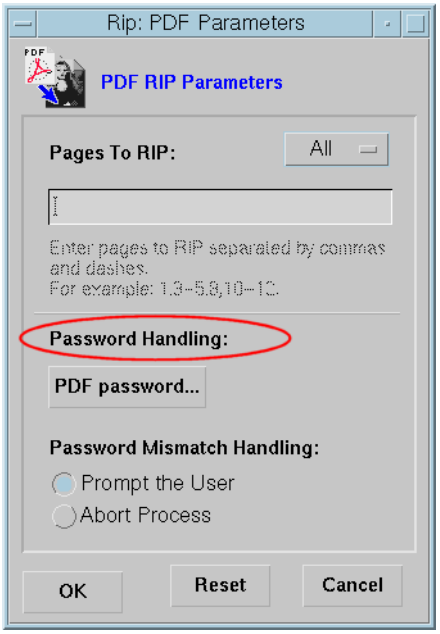
Creo has integrated the latest Adobe RIP engine (CPSI-3011) into the Brisque to accommodate PDF without re-engineering your current processes. The Brisque RIP utilizes Adobe's PostScript 3 RIP and also handles native PDF. The Adobe PDF file format incorporates the flexibility and high quality of PostScript, while providing a simpler, more efficient, predictable and editable workflow. The PDF workflow allows you to take advantage of other features such as PDF preflighting, PDF exporting, Automatic Picture Replacement (APR), spot colors and parallel page RIPping, which have been optimized into the Brisque environment.

Main Features:

- Fully PDF-based workflow
- PDF 1.3, PDF 1.2 and PDF/X-1:1999 support
- Smooth shading vignettes
- Trapping control

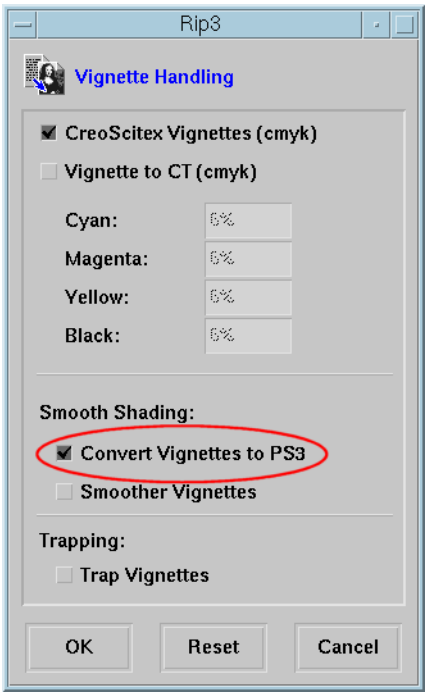
New Features

- **PDF Parameters**



  - **Password Handling** - controls the process of RIPping password-protected PDF files on the Brisque.

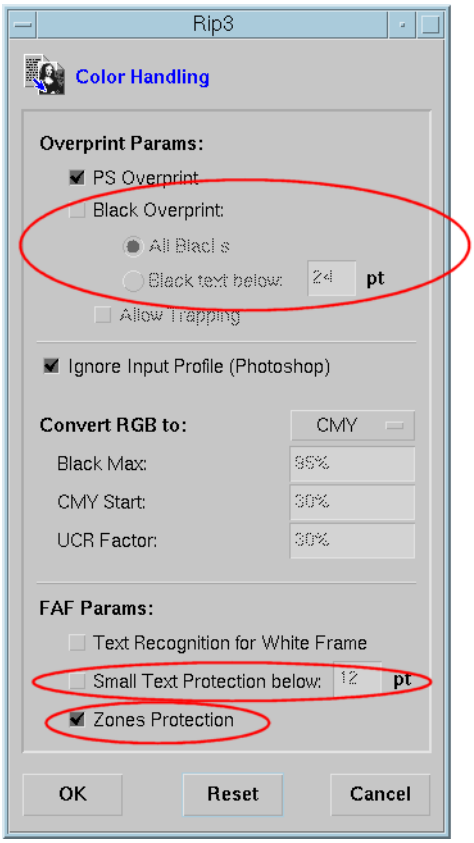
- **Vignette Handling**



  - **Convert Vignettes to PS3** - Conversion of PostScript Level 2 vignettes to PostScript 3 vignettes.

- **High Resolution Handling**
  - Support of **Bitmap TIFF OPI** file format via LW APR.
  - Mask and pre-separated support for PSImage of Duotone Images.
  - Renaissance Copy Dot file support.

- **Color Handling**

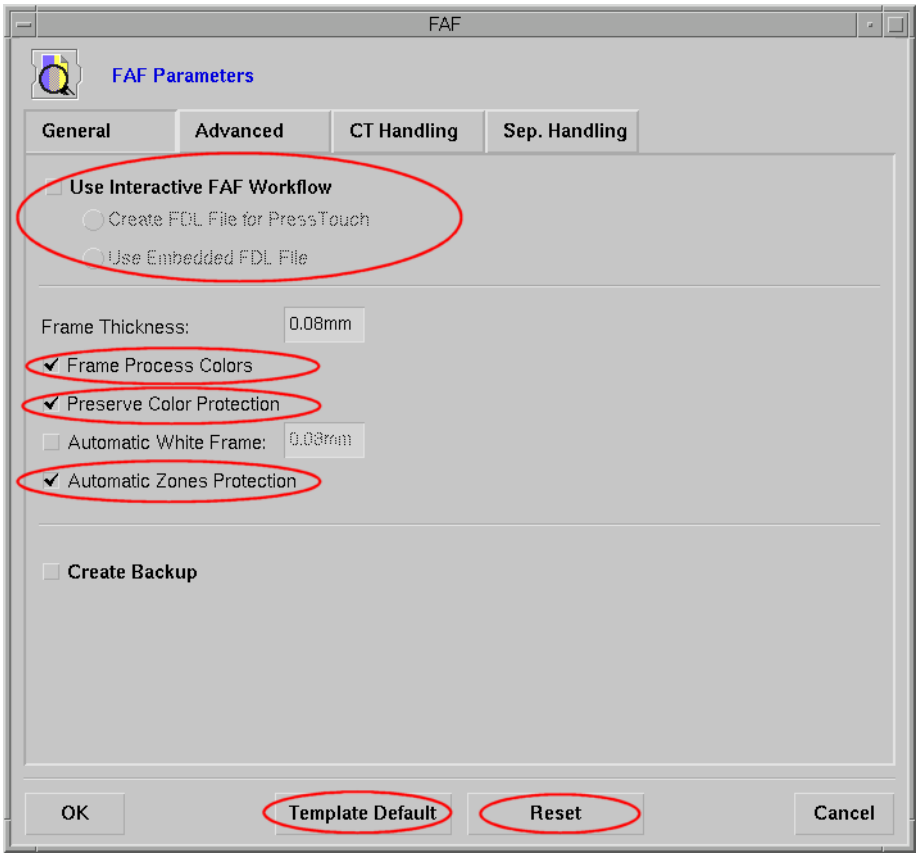


  - **Black Overprint** now offers two options:
    - All Black
    - Black Text below <point size> pt.
  - **Ignore Input Profile (Photoshop)** – For EPS files saved in Photoshop 5, or higher, with PostScript Color Management (CSA) profiles.
    Select this option if you do not want the PS3 RIP to change the CMYK values. If the option is not selected, the PS3RIP will transform the CMYK values according to the embedded CSA profile.
    Note that the option only supports CMYK/grayscale EPS images that are embedded in a PS file, or are high-resolution APR/OPI replacement images in the PS workflow, or are saved in Photoshop in PDF format.
  - **Small Text Protection below <point size> pt** - protects text that is equal to or smaller than the defined point size from being FAFed.

    This option must be selected in the RIP Color Handling parameters in order to protect the text during the RIP process. In a template containing RIP and FAF, selecting only **Preserve Color Protection** in the FAF parameters will not protect the text when RIPping. See also ***FAF*** on ***page 50***.
  - **Zones Protection** - This option is only relevant for the new FAF workflow using the Creo FAF Plug-In for Acrobat 4.0. By default, this option is selected to let the RIP detect areas to be protected from trapping. See also ***FAF*** on ***page 50***.

FAF

New Features



- **Use Interactive FAF Workflow** - An interactive FAF workflow with the new Macintosh-based **PressTouch** application. The **PressTouch** is a newly developed Macintosh-based application that features extensive viewing and editing capabilities (including Page Framing) for Brisque Pages. An **FDL** (FAF Decision List) file, created on the Brisque or in PressTouch, can be reviewed and modified using the PressTouch application. Then, the FAF process is completed on the Brisque based on the approved FDL file.

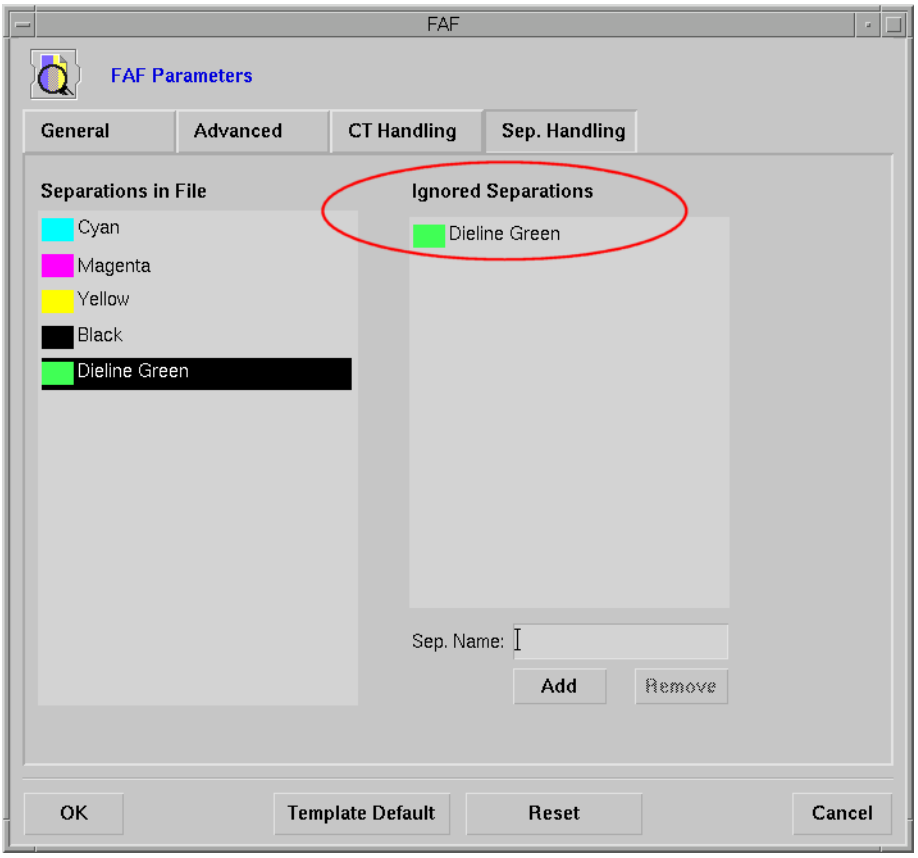
  Note: To use the **PressTouch** for Page Framing, you must purchase an option.

  - **Create FDL File for PressTouch** - modifying an FDL file (created on the Brisque) in PressTouch. The file is created on the Brisque and is put on hold automatically. The Page is opened in PressTouch, modified and saved, and then on the Brisque it is manually released from hold and the FAF process proceeds.
  - **Use Embedded FDL File** - using an existing FDL file previously created for the Page. Selecting this option makes all other parameters unavailable except **Create Backup.**

- **Frame Process Colors** -
    - Frames are created for all color pairs that require trapping. By default, this option is selected. When deselected - frames are created only for pairs of:
        - spot colors
        - black plus any color
        - base colors plus any color
- **Preserve Color Protection** - this option prevents trapping of the following:
    - **Small text** - small text elements that are detected during the RIP will not have any frame placed around them during the FAF.
    - **Black overprint elements** - if you want to trap black overprint elements but still preserve color protection of the other elements, select **Allow Trapping** in the **Black Overprint** section of the RIP Color Handling parameters.
    - **Vignettes that are RIPed into CT**.
    - **Copy Dot data**.
    - **Frame Colors** - frame colors created during the FAF operation.
- **Automatic Zones Protection** - supports the **Creo FAF Plug-In for Acrobat** and **PressTouch** features. When selected, areas defined in the input file as protected from FAF are not included in the FAF process. By default, this option is selected.

  The new **Creo FAF Plug-In for Acrobat** lets you define the FAF parameters in the input file (PDF and PostScript files) and rectangular areas that will not be trapped during the FAF process on the Brisque.

  The input file's FAF parameters, defined in the Creo FAF Plug-In for Acrobat, automatically replace the FAF parameters set in the Brisque. (To return to the original settings, click **Template Default**).
- **Template Default** - click to return to the original FAF parameters as defined in the Brisque template.
- **Reset** - click to return to the parameters last saved.



- The **Sep.Handling** tab of the FAF parameters features the new **Ignored Separations** section that lets you define which separation(s) are not included in calculating FAF decisions. This feature is especially useful in a Packaging workflow, as it allows you to select the die line separation so that it is not trapped.
- **Versioning support** - FAF recognizes version data and adds the version separations to the list of separations that are ignored by the FAF.

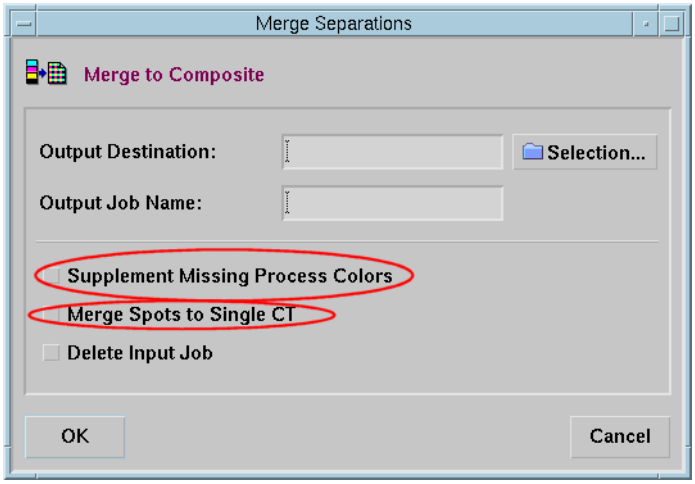
Marks

New Features

- **Mark Set** - The **Marks** application lets you create sets of marks to be placed relative to a Page or a Layout. Instead of placing each mark, one by one, you select a set of marks from the Mark Sets list. When you create a new set of marks, you set the exact location of each mark (by setting a reference point and offset values) and save the locations of the marks as part of the set. The sets of marks are saved in the Mark Library to be used when needed.
- **Marks2Libraries** - A Macintosh-based utility that allows you to automatically add Marks to all the Mark Libraries mounted on your Macintosh station. This is especially useful when working with multiple Brisque workstations, as you need to have the marks you are using in a specific Job, in all Mark Libraries on all the stations. The **Marks2Libraries** utility is supplied in the **Brisque 4.0 Accessories** CD.

Merge

Merge combines a pre-separated Brisque Job to a composite Job.



New Features

- **Supplement Missing Process Colors** - for adding process colors to a Composite Job or a pre-separated Job. Composite Jobs are now supported.
- **Merge Spots to Single CT** - for combining the CT Handshake or NCT files of each spot color to a single NCT file.
- Support of a Page file as an input file.

Translate

New Features

- Translation from DCS2 format to NCT format.
- Translation from Raster (LW or CT only) format to Job format.
- Translation from Pack Bit TIFF format to NLW format.
- Translation from 1-bit TIFF format to Job format.
- A **Use Original APR/OPI Path** option - the generated PSImage file includes the original high-resolution path.
- Auto-detect input file type - when you drag a file to **Translate**, the application recognizes the input file type and the Translate window automatically displays the file type icon and its available options.

CopyDot Workflows

New file formats supported by the CopyDot Workflow, in the EPSF mode:

- **PDF Composite (Renaissance supported only) -** consists of a single file that holds the master file together with all the high-resolution files for each separation within it. This format can RIP directly, without any prior conversions (in composite mode). This format supports process colors (CMYK) only.
- **EPS Composite (Renaissance supported only) -** consists of a single file that holds the master file together with all the high-resolution files for each separation within it. This format can RIP directly, without any prior conversions (in composite mode). This format supports process colors (CMYK) only.
- **PDF Spot Composite -** consists of a single file that holds the master file together with all the high-resolution files for each separation within it. This format can RIP directly, without any prior conversions (in composite mode). This format supports process colors (CMYK) and spot colors.
- **EPS Spot Composite -** consists of a single file that holds the master file together with all the high-resolution files for each separation within it. This format can RIP directly, without any prior conversions (in composite mode). This format supports process colors (CMYK) and spot color.

Export PS

The Export PS application allows you to convert Brisque file formats into various rasterized PostScript formats. The exported PostScript files can then either be sent to disk or printed directly to an AppleTalk/LPR printer.

New Features

- Output file size up to 8-up (904 x 1130mm).

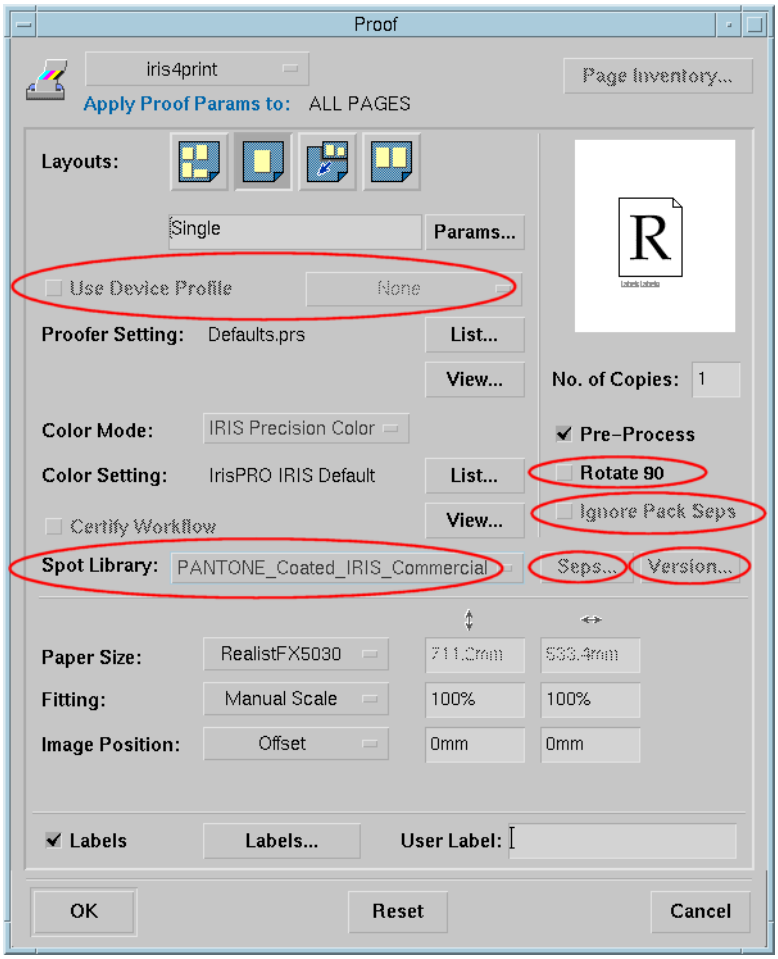
PDF2Go

PDF2Go creates post-RIP PDF files on the Brisque. Remote users can view, annotate and print the PDF file while maintaining complete content and color fidelity. Further, post-RIP editing of PDF files is possible using Adobe Acrobat with the Enfocus PitStop Plug-In (for LW data) and Adobe Photoshop (for CT data).

New Features

- Output file size up to 8-up (904 x 1130mm).
- Supports Print operation.
- CT areas are cropped only to areas that are visible through LW windows (i.e., fully transparent or semi-tint colors in the LW). Thus, instead of generating one heavy image that contains redundant information, several smaller images containing only the relevant areas of the CT are generated, making the PDF much smaller.
- The exported CT is no longer split into strips that compose the whole image. This prevents RIPping problems and enables the user to use Photoshop (which opens from within Acrobat) to edit the whole image (and not just one strip at a time).
- Increased performance speed.
- A wider variety of complex pages can be handled.
- A new default ICC profile for PDF/X-1:1999 that is DDAP compliant.

Proof

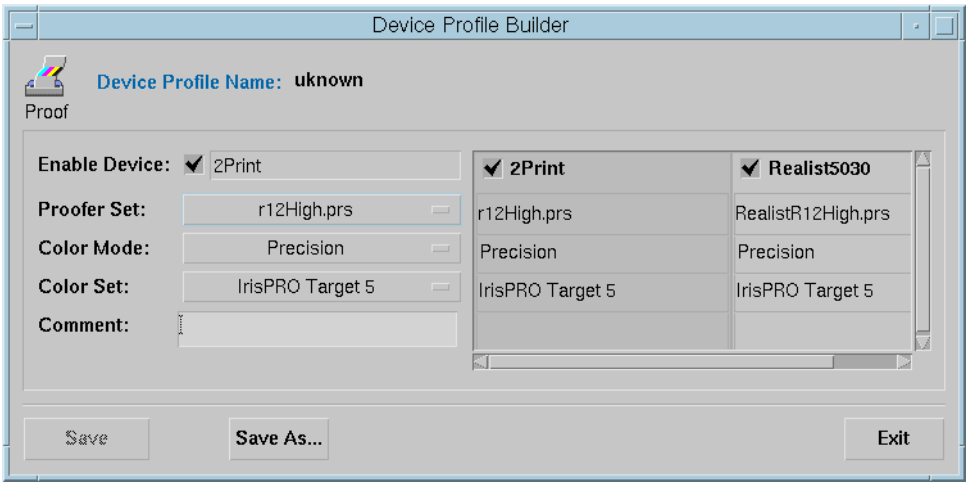


New Features

Note: In order to operate the **Proof** application, you must activate the Color Database. See ***Color DB Preferences*** on ***page 40***.

- **Use Device Profile** - The **Device Profile** utility lets you create a set of parameters (proofer set, color mode, color set) per Proof device. This set, the **Device Profile**, should be defined so that identical proofing quality is obtained on different devices. Thus, if one of the devices is not available, you can switch to another device that is connected to the same Brisque and obtain the identical output.

  For example, you want to proof a Job in a linear gamut with high resolution on the Iris4Print. If this proofer is not available, you can proof on the RealistFX 5030 as linear Color Set with 12 dpi resolution proofer set.



To make switching between devices easier, you can define sets with equivalent parameters for each of the devices in the Device Profile window. Once the set is selected, the parameters are displayed in the main Proof window. Then, if you choose another device, all parameters are updated and there is no need to change the parameters in the main Proof window.

- **Rotate 90** - By selecting this option, you can rotate your jobs 90 degrees counter-clockwise. This option is supported by all Layout modes (Single, Auto Arrange, and External) except Reader Spread and by all Color modes.
- **Ignore Pack Seps** - Brisque 4.0 Proof supports the special structure of the **Packaging** workflow and PKG Job. This option lets you define which separations should not be proofed (such as the special packaging separations of the die line and background). For details about the Packaging workflow, see ***Packaging*** on ***page 26***.

  By default, this option is selected. To proof all separations of the Job, deselect the option.
- **Spot Library** - available options are Classic Brisque, PANTONE Coated IRIS Commercial, Specific, and other groups of the spot colors.
- **Seps...** - an option to define which separations are to be proofed.
- **Version...** - an option to define which versions are to be proofed and whether to include the base. For details about the Versioning workflow, see ***Versioning*** on ***page 28***.
- **Spot Database support** - The Spot Color database contains the certified **PANTONE Coated Iris Commercial** spot library in CMYK values. Using this library allows you to obtain a proof result certified by PANTONE Inc. for the Iris commercial media.

  The PANTONE Coated library contains over 1000 spots in CMYK values.

  The **PANTONE Coated Iris Commercial** library is available only for proofers certified by PANTONE such as IRIS2PRINT and IRIS4PRINT.

  You can access the Spot Database application via the **Setup** panel from the Brisque Launch Pad.

  The Spot Database is also included in the Color Database, which is activated via the **Prefs** application. See ***Color DB Preferences*** on ***page 40***.

Note: Brisque 4.0 customers with IRIS proofers should upgrade their ColorZone application to version 2.1. This version supports the new Pantone database implemented in Brisque 4.0.

- **Proofer Calibration (for DCP Workflow)**
  - **Creating the Iris Calibration File** - The **IRIS_Target_X-Rite.tif** test file has been added to the Target File list in the Proof Calibration window.

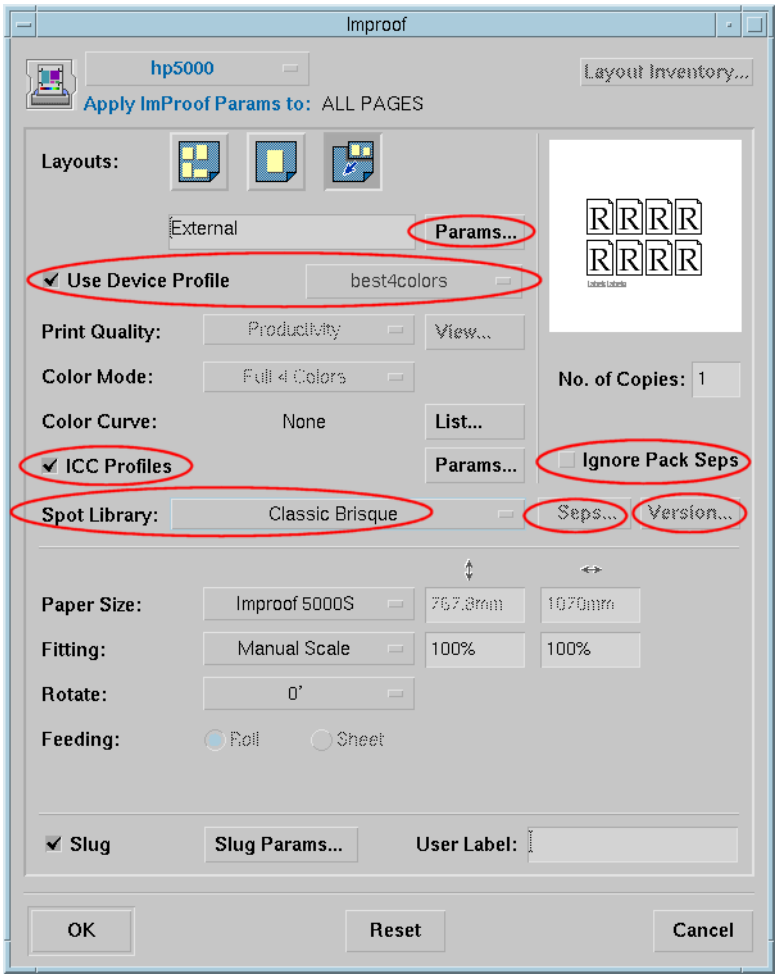
    This test file is sent to print from the Brisque to the proofer. Color data from the test proof is measured with an X-RiteColor spectrophotometer using the Iris ColorZone application. Color Zone creates the IRIS calibration file using the measurements from the printed sheet. Once the calibration file is saved, it is automatically transferred by the application to the Iris Color Database.

  - **Creating the ICC Profile**

    The **KSmart450N_X-Rite.nlw** file has been added to the **Target File** list in the Proof Calibration window.

    The color data printed from this test file must be measured with an X-RiteColor spectrophotometer using the Profile Wizard Suite application to create an ICC profile.

Improof



New Features

- **Frame Trim Size** - lets you print the trim frame of the Page. The frame is printed in black. This option is available in the **Signature** and **External** layout modes (accessed via the **Params...** button).
- **Use Device Profile** - The **Device Profile** utility lets you create a set of parameters (print quality, color mode, color curve) per improof device. This set, the **Device Profile**, should be defined so that you can obtain identical proofing quality on different devices. Thus, if one of the devices is not available, you can switch to another device that is connected to the same Brisque and obtain the identical output.

  For example, you want to improof a Job using **Best** print quality and **Full 4 Colors** color mode on the Iris43WIDE. If this device is not available, and you must get the job out, you can improof on the HP 2000CP using **Best** print quality and **Full 4 Colors** color mode.

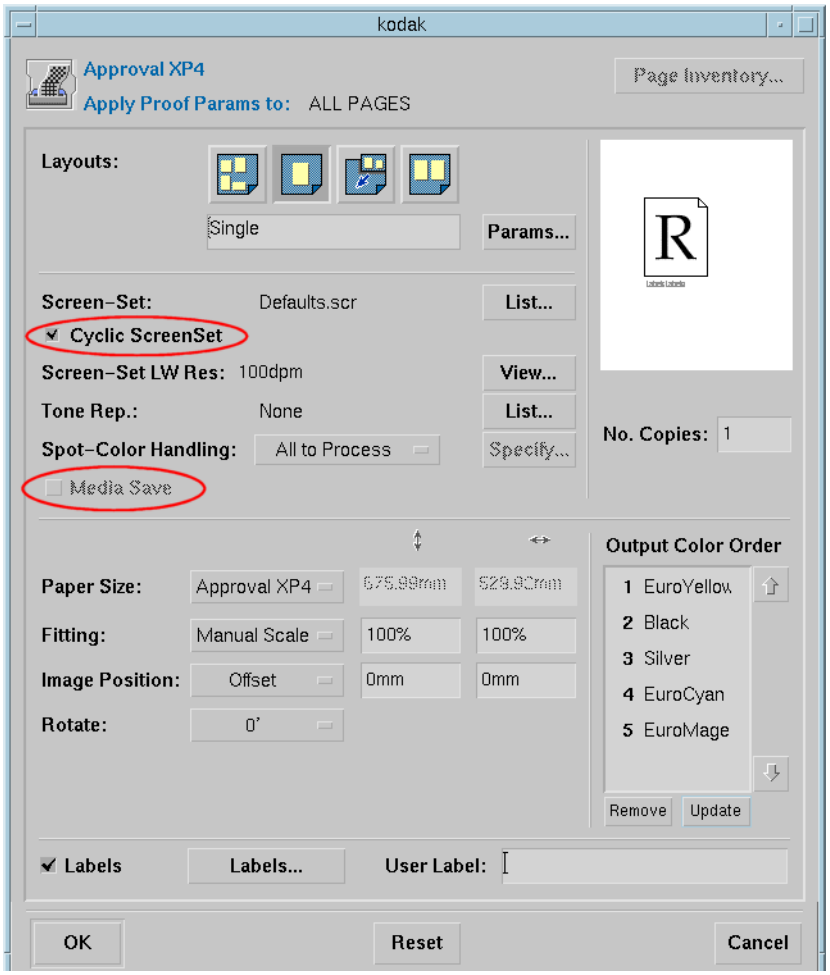
  The Device Profile utility on the Brisque supports multi-device proofing to four improof devices using TCP/IP connectivity.

To make switching between devices easier, you can define sets with equivalent parameters for each of them in the **Device Profile** dialog box. Once the set is selected, the parameters are displayed in the **Improof** main window. Then, if you choose another device, all the parameters will be updated and there is no need to change parameters in the **Improof** main window.

- **ICC Profiles** - an option to simulate the final printing machine, such as offset press or Chromalin on your Improof device.
- **Ignore Pack Seps** - Brisque 4.0 Improof supports the special structure of the **Packaging** workflow and PKG Job. This option lets you define which separations should not be proofed (such as the special packaging separations for the die line and background). For details about the Packaging workflow, see ***Packaging*** on ***page 26***.

  By default, this option is selected. To proof all separations of the Job, deselect the option.
- **Spot Library** - available options are Classic Brisque, PANTONE Coated IRIS Commercial, Specific, and other groups of the spot colors.
- **Seps...** - an option to define which separations are to be proofed.
- **Version...** - an option to define which versions are to be proofed and whether to include the base. For details about the Versioning workflow, see ***Versioning*** on ***page 28***.
- **6-color printing support** - the new supported IRISwide, Epson and HP5000 imposition proofer families feature individual 6 color ink cartridges (cyan, magenta, yellow, black, light cyan and light magenta) for a high quality color performance.
- **New high-resolution proofers** - 1200 dpi (HP DesignJet 5000 42") and 1440dpi (Iris62WIDE, Epson 7000, and Epson 9000).
- A new photographic print quality when connected to an HP DesignJet 5000 imposition proofer.
- A new tone reproduction curve for an Epson 7500 imposition proofer.

Kodak XP4

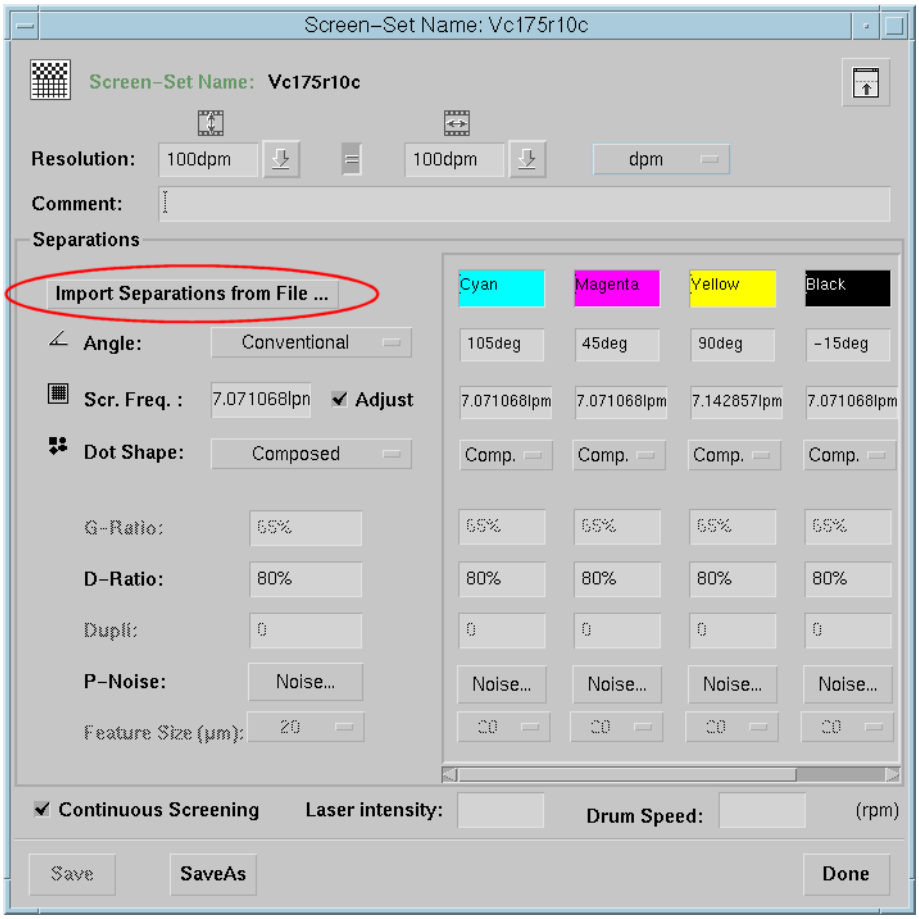


New Features

- A new Recipe Spot Color library is supplied by Kodak. This Library was added to the Spot Database for Kodak Approval XP4 customers.
- **Cyclic Screen Set** - When this option is selected, each recipe spot color is assigned its screen parameters (angle, screen frequency, dot shape) using the parameters assigned to Cyan, Magenta and Black separations in a cyclic manner. The Yellow parameters are not cycled to avoid moire.

  For example, the file contains Cyan, Magenta, Yellow, Black, Spot Color 1, Spot Color 2, Spot Color 3, Spot Color 4, Spot Color 5, and so on. Spot Color 1 will be assigned the Cyan parameters, Spot Color 2 will be assigned the Magenta parameters, Spot Color 3 will be assigned the Black parameters, Spot Color 4 will be assigned the Cyan parameters, Spot Color 5 will be assigned the Magenta parameters, and so on.
- **Media Save** - Normally, if recipe spot colors are present, each recipe color is printed as a unique unit, following the output order of the process separations. Using the **Media Save** option, you can instruct the Kodak Approval to simultaneously print the recipe colors with their respective process donors, thereby using media already on the drum intended for the process separations.

Screen Sets



New Features

- **Import Separations from File...** - to add columns to the Screen Set window for each spot color that exists in the input file so that you can set its separation parameters.
- **Staccato Screen** - a matrix based screen algorithm that calculates the repeatable, precise position of the microelements every time a specific separation is exposed.

  Note: The Staccato screen option is password protected. You must purchase a license.

  The Stacatto dots created in Turbo screening are composed of minute groupings of laser dots that vary in size and location.

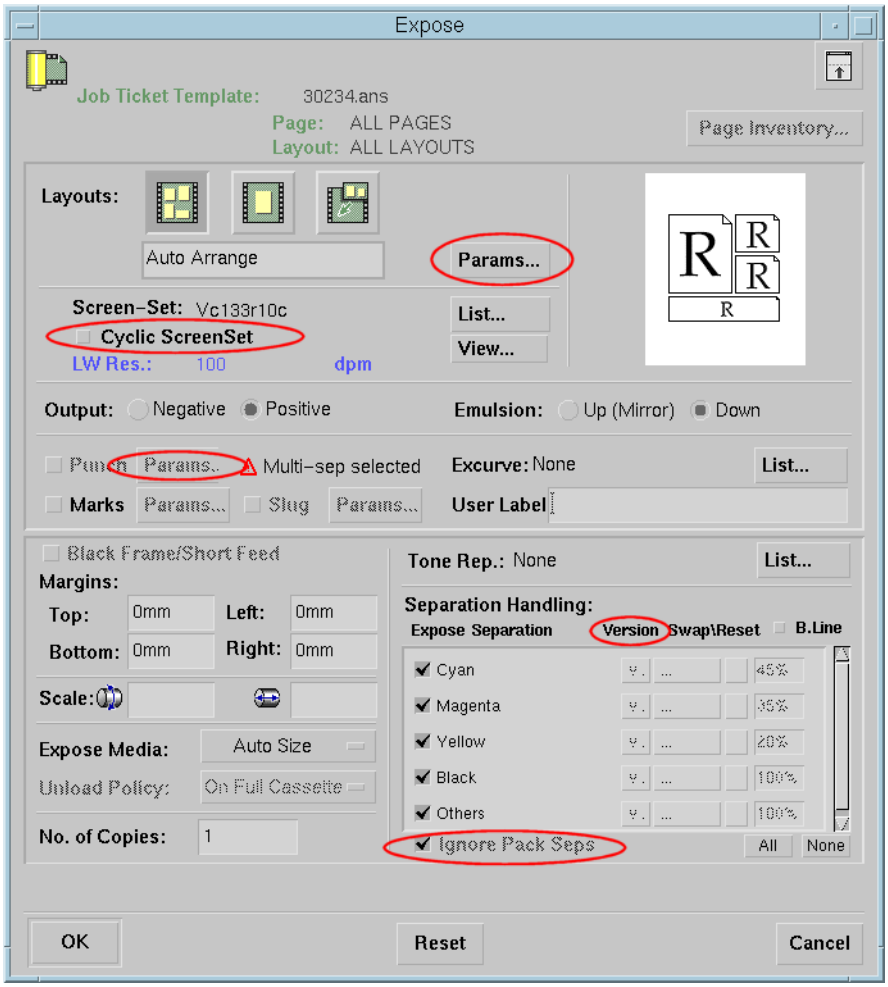
  The only user-definable parameter for Staccato is minimum spot size (Feature size), applied according to the formula: 1/expose resolution X 2n.

  In addition to the **Turbo FM** dot shape, the list of dot shapes now includes:

  - **Staccato FM** - supports 1200, 1600, 2400 and 3200 dpi resolutions only.
- **Angle Sets** - the list of available angle sets has increased. There are now 12 available angle sets in four groups:

- Conventional1/2/3/4 - press traditional
- Shifted1/2/3/4 - shifted 7.5 degrees from the conventional angle
- Pseudo Conventional - conventional with yellow change
- Ymoire1/2/3 - rational angles

Expose

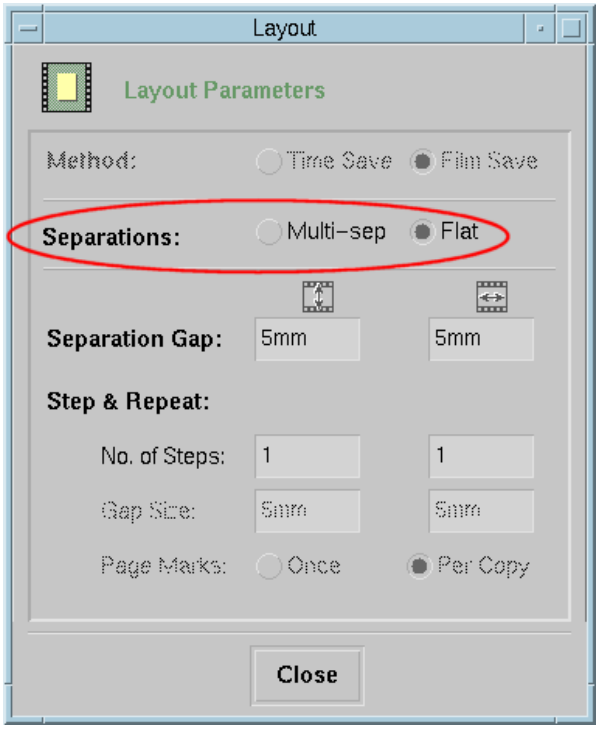


New Features

- **Multi-Resolution CTs** - A Brisque Impo Job that includes pages of different resolutions is exposed in one run (for TSP only).
- **Cyclic ScreenSet** - When this option is selected, each recipe spot color is assigned its screen parameters (angle, screen frequency, dot shape) using the parameters assigned to Cyan, Magenta and Black separations in a cyclical manner. The Yellow parameters are not cycled, to avoid moire.

  For example, the file contains Cyan, Magenta, Yellow, Black, Spot Color 1, Spot Color 2, Spot Color 3, Spot Color 4, Spot Color 5, and so on. Spot Color 1 will be assigned the Cyan parameters, Spot Color 2 will be assigned the Magenta parameters, Spot Color 3 will be assigned the Black parameters, Spot Color 4 will be assigned the Cyan parameters, Spot Color 5 will be assigned the Magenta parameters, and so on.
- **Versioning support** - Expose recognizes a Version Job and can combine the Base separation with the relevant Version separation. For details about the Versioning workflow, see ***Versioning*** on ***page 28***.

- **Ignore Pack Seps** - support of the special structure of the **Packaging** workflow and PKG Job. This option lets you define which separations are not exposed (such as the special packaging separations of the die line and background). For details about the Packaging workflow, see ***Packaging*** on ***page 26***.
- **Expose Parameters**- Updated **defaults**:
  - **Punch Parameters** - **Offset Height** =0mm, **Offset Width**=0mm (instead of 5mm).
  - **Layout Parameters** -
    - **Separations: Flat** (for Single and External Layout modes) and **Multi-sep** (for Auto Arrange Layout mode).



- **Punch parameters** - **Exposable area** is defined according to the cassette selected. Exposable Area = Cassette Size minus the Offset values of the output device. (Offset values vary between the Dolev 800 and the Dolev4press imagesetters).

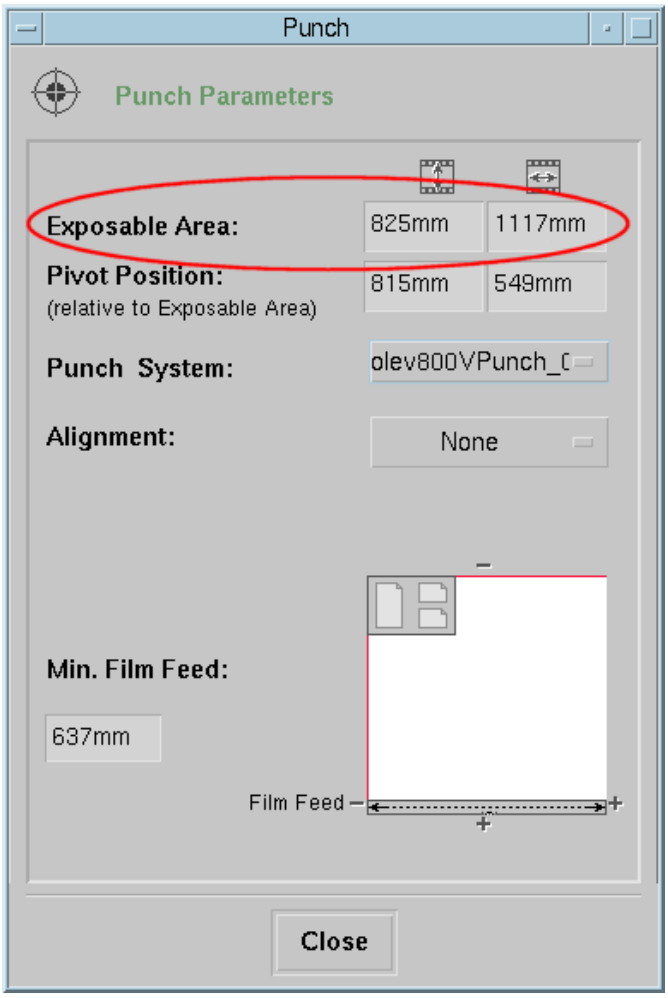
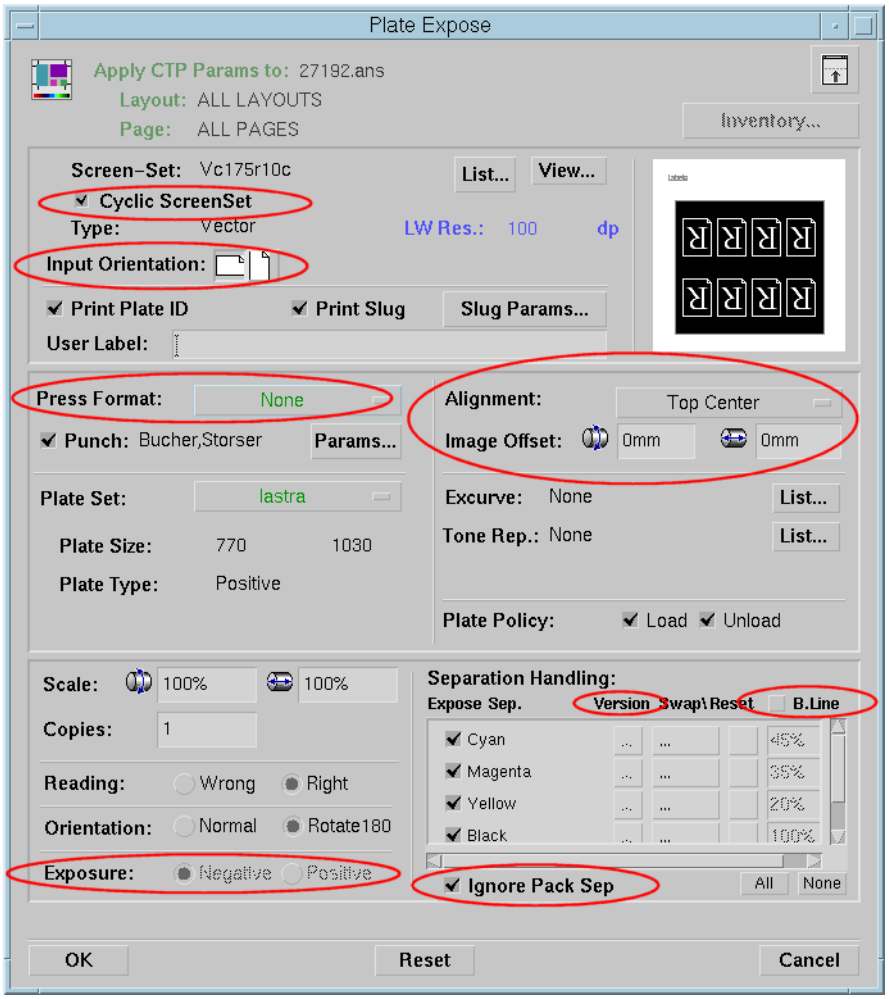


Plate Expose

New Features



- **Cyclic ScreenSet** - When this option is selected, each recipe spot color is assigned its screen parameters (angle, screen frequency, dot shape) using the parameters assigned to Cyan, Magenta and Black separations in a cyclic manner. The Yellow parameters are not cycled, to avoid moire.

  For example, the file contains Cyan, Magenta, Yellow, Black, Spot Color 1, Spot Color 2, Spot Color 3, Spot Color 4, Spot Color 5, and so on. Spot Color 1 will be assigned the Cyan parameters, Spot Color 2 will be assigned the Magenta parameters, Spot Color 3 will be assigned the Black parameters, Spot Color 4 will be assigned the Cyan parameters, Spot Color 5 will be assigned the Magenta parameters, and so on.

- **Input Orientation** - lets you select whether the input file is to be rotated or not.

Note: To have this option available in the Plate Expose parameters, the **Allow Input Orientation Selection** box in the Plate Expose Preferences must be selected (see ***page 38***).

- **Press Format** - a new option of selecting a plate type without assigning a press format by choosing **None** in the Press Format List.
- **Alignment** and **Image Offset** parameters are now in the main Plate Expose window (instead of the Punch Parameters window).
- Image alignment without a punch system is possible for exposure on a Trendsetter.
- **Exposure** - automatic selection of negative or positive exposure according to the configured device and media type used.
- **B.Line** - Blue-line exposure (in the Separation handling section of the Plate Expose parameters).
- **Versioning support** - Plate Expose recognizes a Version Job and can combine the Base separation with the relevant Version separation. For details about the Versioning workflow, see ***Versioning*** on ***page 28***.
- **Ignore Pack Sep** - support of the special structure of the **Packaging** workflow and PKG Job. This option lets you define which separations are not exposed (such as the special packaging separations for the die line and background). For details about the Packaging workflow, see ***Packaging*** on ***page 26***.