Solutions Guide

English

Brisque 5.0

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Internal

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4,558,302	5,420,722	5,708,736	6,043,865	6,204,874	6,409,331	6,589,710
4,743,091	5,459,505	5,713,287	6,060,208	6,205,364	6,414,755	6,590,635
4,992,864	5,473,733	5,742,743	6,063,528	6,208,369	6,422,801	6,593,064
5,049,901	5,481,379	5,764,374	6,063,546	6,214,276	6,425,565	6,601,888
5,113,249	5,488,906	5,771,794	6,072,518	6,217,965	6,430,136	6,605,407
5,132,723	5,508,828	5,785,309	6,090,529	6,252,241	6,435,091	6,609,459
5,155,782	5,509,561	5,802,034	6,093,447	6,252,522	6,441,914	6,611,363
5,157,516	5,517,359	5,813,346	6,096,461	6,255,033	6,443,571	6,618,187
5,177,724	5,519,852	5,818,498	6,098,544	6,260,482	6,450,092	6,628,435
5,208,818	5,576,754	5,854,883	6,107,011	6,266,080	6,456,396	6,632,584
5,208,888	5,579,115	5,861,904	6,112,663	6,266,134	6,471,335	6,637,329
5,247,174	5,583,551	5,861,992	6,115,056	6,267,054	6,476,342	6,637,860
5,249,067	5,592,309	5,875,288	6,116,160	6,268,948	6,476,931	6,640,713
5,283,140	5,594,556	5,894,342	6,121,996	6,270,204	6,477,955	6,641,772
5,291,273	5,600,448	5,900,981	6,130,702	6,283,589	6,493,064	6,641,978
5,305,091	5,608,822	5,934,196	6,134,393	6,295,076	6,494,965	6,646,669
5,323,248	5,615,282	5,946,426	6,136,509	6,299,572	6,503,691	6,648,468
5,325,217	5,625,397	5,947,028	6,137,580	6,318,266	6,509,903	6,652,088
5,339,176	5,625,766	5,958,647	6,147,789	6,328,408	6,511,163	6,654,147
5,343,059	5,636,330	5,966,504	6,158,345	6,336,708	6,520,084	6,660,997
5,355,446	5,649,220	5,969,872	6,159,659	6,340,817	6,530,317	6,661,561
5,359,451	5,650,076	5,973,801	6,164,637	6,352,816	6,541,181	6,665,048
5,359,458	5,652,804	5,986,819	6,165,658	6,353,216	6,544,336	6,665,121
5,367,360	5,680,129	5,995,475	6,180,325	6,366,339	6,545,772	6,670,986
5,384,648	5,691,823	5,996,499	6,181,362	6,371,026	6,550,388	6,684,783
5,384,899	5,691,828	5,998,067	6,181,439	6,377,739	6,564,018	6,704,123
5,412,491	5,696,393	6,003,442	6,186,068	6,387,597	6,567,713	

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Brisque 5.0 Solutions Guide

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1. OVERVIEW

The Brisque 5.0 Solutions Guide is intended for Creo worldwide sales organizations and technical support specialists, and it provides guidelines for determining the optimal Brisque® system configuration for customers. The information contained in this document directs sales representatives to the most appropriate solution for a customer, based on the customer's throughput and output requirements.

This document contains all available Brisque 5.0 configurations, including guidelines for configuring multiple Brisque solutions. Brisque is equally capable of driving all Creo output devices, CTF, CTP, proofers, and Improof devices, following the guidelines outlined in this document.

The configurations within each product line are available on the price list. These configurations serve as starting points from which a customized configuration can be built to meet the customer's individual needs.

Other topics that are covered in this document include:

- Basic configurations
- Configuration guidelines
- Performance and benchmark information
- Information about migrating from or re-purposing legacy systems
- Redundancy information
- Platform's configurations
- Memory configurations
- Storage Information
- Device Connectivity Kits (DCKs)
- Trade up options
- Brisque 5.0 Known Bugs and limitations document (link)

Note: The information contained in this document is specific to Brisque 5.0 and does not include information regarding previous software versions.

2. BRISQUE CONFIGURATIONS

2.1 Introduction

This section describes four types of configurations consisting of the most common software and hardware components that are required in a basic configuration:

- Brisque Expose
- Brisque Access
- Brisque Pro
- Brisque Impose

For each of the following options you can find additional links to complete Brisque configuration for meeting the specific requirements of customer workflows and special needs such as: device Connectivity kits, job storage options, multi device connectivity table, optional and recommended software and hardware components all for increasing customer productivity.

2.2 Brisque Expose Express

Fully automated expose workflow with connectivity to Lotem and/or Trendsetter. This configuration supports third-party or Creo workflows for the following file formats: 1-bit TIFF, Scitex Handshake, Scitex Native, Scitex NCT, TIFF/IT P1 and Brisque jobs.

Brisque Expose Express is available in the following configurations:

- 015-00678A—Brisque Expose Express Single (Lotem 400 FH Link and ThermoFlex Narrow)
- 015-00679A—Brisque Expose Express Single (Lotem 400 Quantum II V Link)
- 015-00680A—Brisque Expose Express Single (Lotem 800 FH Link and ThermoFlex Mid II)
- 015-00681A—Brisque Expose Express Single (Lotem 800 Quantum II S&F Link)
- 015-00682A—Brisque Expose Express Single (Lotem 800 Quantum II V Link)
- 015-00683A—Brisque Expose Express Single (Trendsetter 400 Quantum II Link)
- 015-00684A—Brisque Expose Express Single (Trendsetter 800 II S&F Link)
- 015-00685A—Brisque Expose Express Single (Trendsetter 800 Quantum II S&F Link)

The following figure shows a Brisque Express Single Expose configuration.

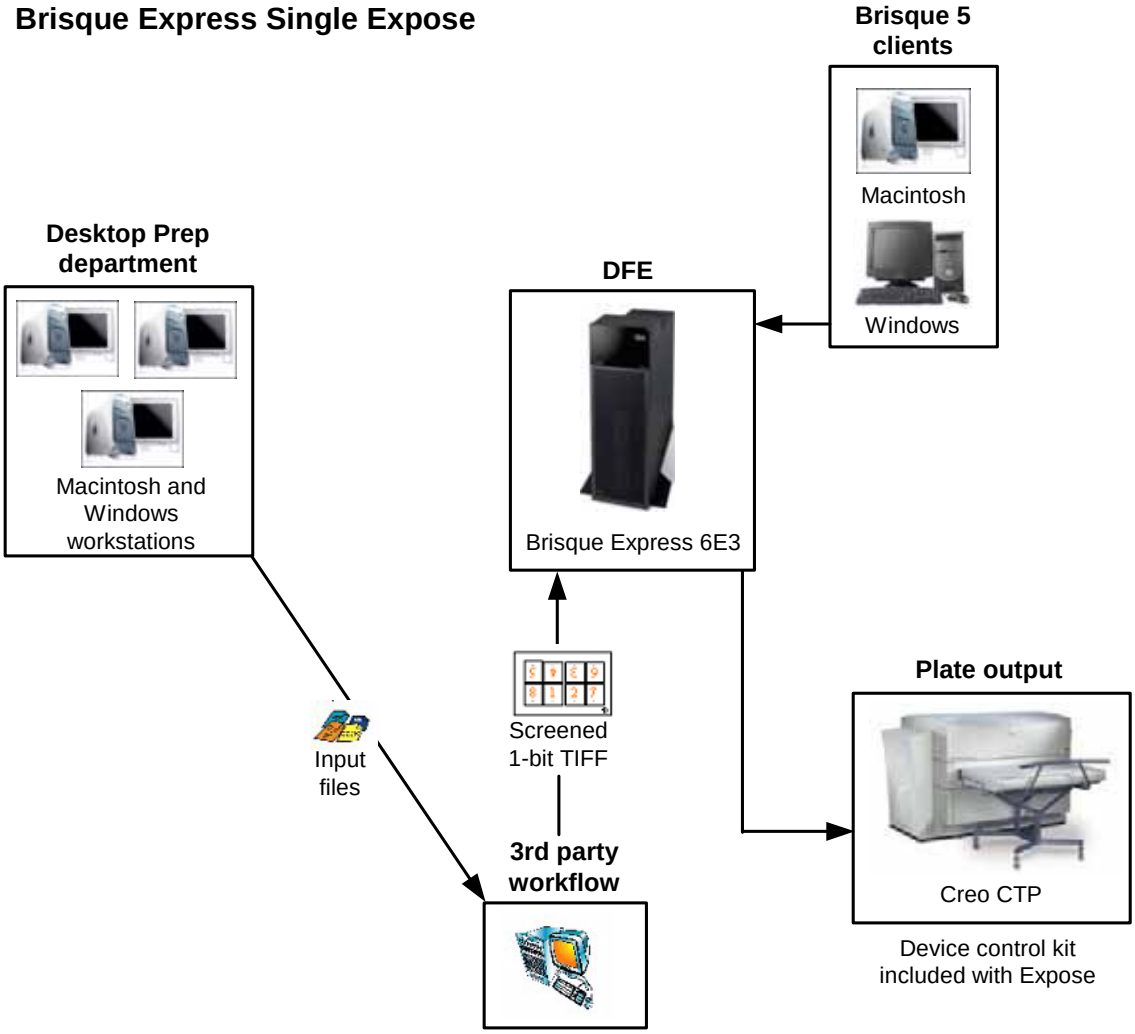


Figure 1: Example of typical Brisque Expose Express Single configuration

Brisque Expose Express Equipment List

Table: Brisque Expose station configuration

pSeries 615 Model 6E3 - CPU 1 x 1.2 GHz Power4
1 GB RAM
1 x 36 GB system disk, 1 x 73 GB user disk
5 free slots, 2 free disk bay
IDE DVD-ROM (for software loading)
Floppy drive
2 Ethernet (on board): 100BaseT & Gigabit
15" LCD Display
Turbo Screening Processor TSP *
HELIOS® License for 6 simultaneous EtherShare clients
4 Brisque client licenses
For TrendSetter® devices the below is included
Optiplex GX 260 1X3 GHz CPU, 128 MB RAM (no UPS)

Notes:

- ***** 2xTSP are included for Lotem® Quantum II V output devices.
- Refer to *Sections 3.2, and 5.3* for additional Software and Storage options.
- Separate device connectivity kits (DCK) are not required with Brisque Expose configurations, because the appropriate connectivity items (TSP boards if needed) are included for each Expose configuration.
- An additional SCSI card is needed for an external SCSI device. Part number: 015-00702A–Ultra320 LVD.

2.3 Brisque Access Express

The Brisque Access workflow solution provides users with the core file processing capabilities and efficiency of Brisque workflows, and the capacity to drive CTP or CTF devices based on client-server architecture. Brisque Access can be upgraded to the Brisque Pro and/or Brisque Impose workflow, thus adding functionality and options.

Brisque Access workflows are proven, flexible workflows featuring the reliability and security of the CT/LW file format. While geared toward prepress professionals who prefer the ROOM concept (RIP Once, Output Many) for their print environment, these systems are compatible with all popular file formats and output units, such as PDF®, PDF/X, TIFF/IT-P1, CIP4-JDF, CIP4-PPF.

Brisque Access Express Single is based on 6E3/1 with a single 1.2 GHz processor, 1 GB of memory, and 1x73 GB internal drive for job storage. The appropriate Device Connectivity kit for connecting to an output device must be added to the configuration.

Brisque Access is available in the following configuration: *Brisque Access Express Single (015-00448A).*
Because not all Brisque 4.1 configurations are supported in Brisque 5.0, a few Performance single platforms (44P-170) were allocated for Brisque version 4.1 configurations. The kit for these configurations is: *Brisque Access Performance Single (v4.1) (015-00587A).*

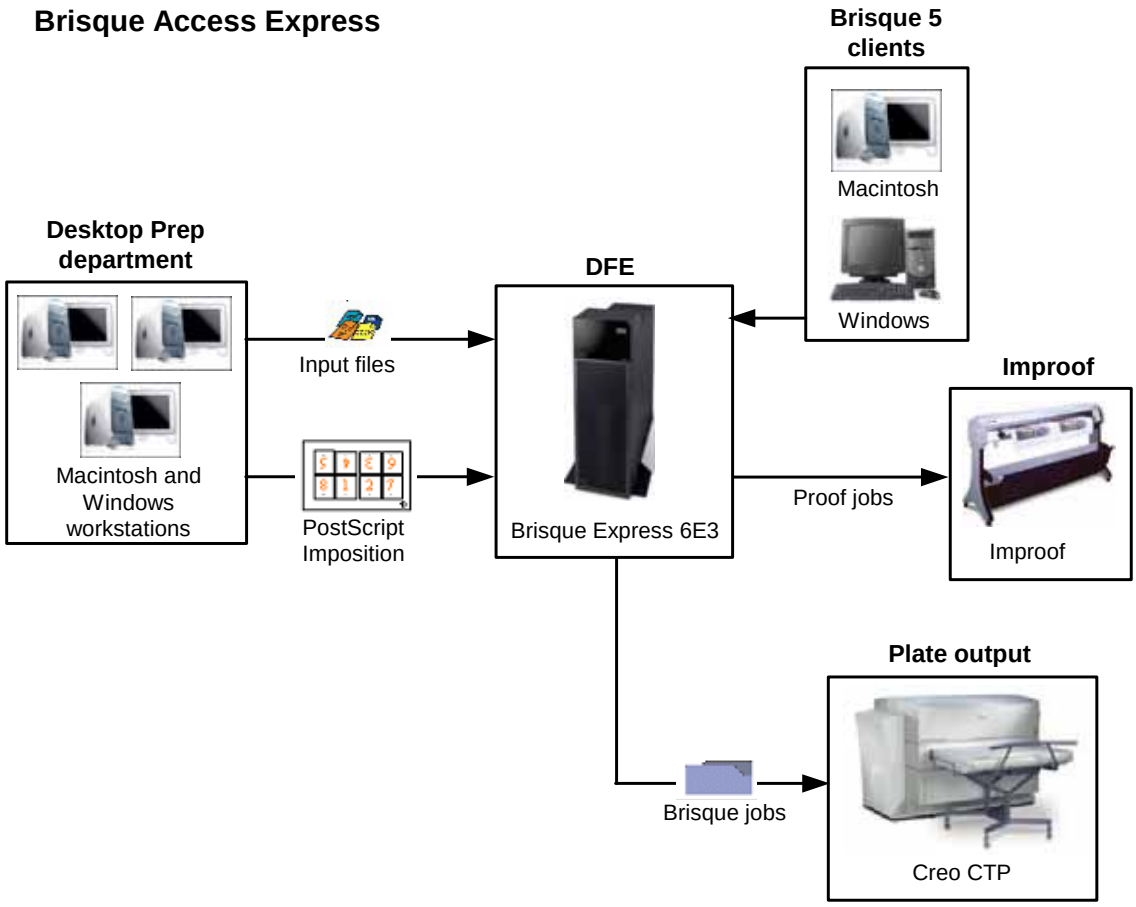


Figure 2: Example of typical Brisque Access Express Single configuration

Brisque Access Equipment List

Table: Brisque Access Expose station configuration

Brisque Access Express Single (pSeries 615 Model 6E3) Workflow System - 1 x 1.2 GHz Power4+ CPU , AIX® version 5.2
1 GB RAM
1 x 36 GB system disk, 1 x 73 GB user disk
5 free slots, 2 free disk bay
IDE DVD-ROM, Floppy drive
2 Ethernet (on board): 100BaseT & Gigabit
15" LCD Display
Creo Full Auto Frame trapping s/w on Brisque
HELIOS License for 6 simultaneous EtherShare clients
4 Brisque client licenses
Creo PressTouch s/w for Macintosh non-trapping version
Brisque Operator training, at Creo Training Facility is included if a device is sold together
No Brisque training included with stand-alone unit

Note: Refer to *Sections 3.2, 5.3 and 7.2* for additional Software & Storage options, and Device Connectivity Kits that must be ordered. An additional SCSI card is needed for an external SCSI device. Its part number: 015-00702A–Ultra320 LVD.

2.4 Brisque Pro Express

The Brisque Pro Express workflow solution provides comprehensive control over every phase of the prepress process, reducing errors and increasing efficiency at every step. With the client–server based printing workflow solution, Brisque Pro has the power to drive all the CTP and CTF output devices.

The Brisque Pro workflow solution provides fully automated core processing capabilities of the Brisque family, including trapping and proofing. Additional input and output compatibility is easily added through Brisque Extenders and Enhancers. Brisque Pro is fully upgradable to Brisque Impose workflow, thus adding functionality and options.

Brisque Pro workflows are proven, flexible workflows featuring the reliability and security of the CT/LW file format. While geared toward prepress professionals who prefer the ROOM concept (RIP Once, Output Many) for their print environment, these systems are compatible with all popular file formats and output units, such as PDF, PDF/X, TIFF/IT-P1, CIP4-JDF, CIP4-PPF.

The Brisque Pro Express configuration includes the following configurations:

- 015-00277A—Brisque Pro Express Quad. IBM 6E4 Quad Brisque Pro with 4 x 1.45 GHz processors and 4 GB of memory. Internal storage of 2 x 73 GB user hard drives.
- 015-00421A—Brisque Pro Express Single. IBM 6E3 Brisque Pro with 1 x 1.2 GHz processor and 1 GB of memory. Internal storage of 1 x 73 GB user hard drives.
- 015-00422A—Brisque Pro Express Dual. IBM 6E3 Dual Brisque Pro with 2 x 1.2 GHz processors and 2 GB of memory. Internal storage of 2 x 73 GB user hard drives.

The appropriate Device Connectivity kit (DCK) for connecting to an output device must be added to the configuration.

The following figure shows the Brisque Pro Express Single configuration.

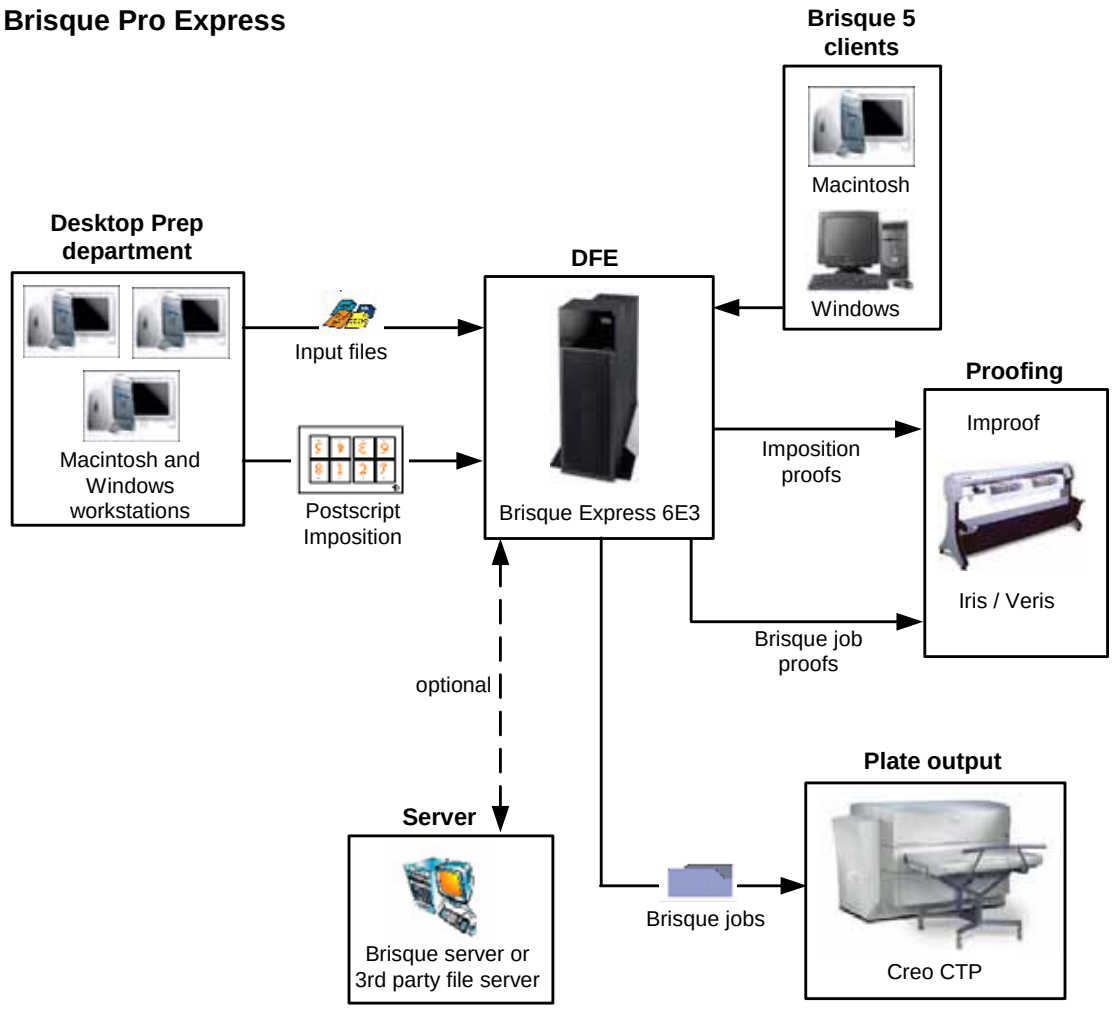


Figure 3: Example of typical Brisque Pro Express Single configuration

Brisque Pro Equipment List

Table: Brisque Performance Pro station configuration

Configuration	Equipment Description
Express Pro Single	Brisque Express Pro Single (pSeries 615 Model 6E3) Workflow System - 1 x 1.2 GHz Power4+ CPU , AIX version 5.2, 1 GB RAM - 1 x 36 GB system disk, 1 x 73GB user disk - 5 free slots, 2 free disk bay - IDE DVD-ROM, Floppy drive - 2 Ethernet (on board): 100BaseT & Gigabit - 15" LCD Display - Creo Full Auto Frame™ trapping s/w on Brisque - HELIOS License for 6 simultaneous EtherShare clients - 4 Brisque client licenses - Creo/Adobe® CPSI PostScript® & Extreme PDF RIP on Brisque - Creo PressTouch s/w for Macintosh without interactive trapping.
Express Pro Dual	Brisque Pro Express Dual (pSeries 615 Model 6E3) Workflow System, Symmetric Multiprocessing (SMP), 2 x 1.2GHz Power4+ Processor, 2GB RAM - 1 x 36GB system disk, 2 x 73GB user disk - 5 free slots, 1 free disk bay - IDE DVD-ROM, Floppy drive - 2 Ethernet (on board): 100BaseT & Gigabit - 15" LCD Display - Creo/Adobe CPSI PostScript & Extreme PDF RIP on Brisque - Creo Full Auto Frame trapping s/w on Brisque - Iris/Veris proofing software - Digital blue line proofing (improof) software - 5 Brisque client licenses - HELIOS License for 6 simultaneous EtherShare clients - Creo PressTouch s/w for Macintosh without interactive trapping - No Brisque training included with stand-alone unit - Brisque Operator and Impose trainings, at Creo Training Facility are included if a device is sold together.
Express Pro Quad	Brisque Express Pro Quad (pSeries 630 Model 6E4) Workflow System, (SMP), 4 x 1.45 GHz Power4+ Processor , 4 GB RAM - 1 x 36 GB system disk, 2 x 73 GB user disk - 4 free slots, 1 free disk bay - IDE DVD-ROM, Floppy drive - 2 Ethernet 100BaseT (on board), 1 Gigabit board - 15" LCD Display - Creo/Adobe CPSI PostScript & Extreme PDF RIP on Brisque - Creo Full Auto Frame trapping s/w on Brisque - Iris®/Veris® proofing software - Digital blue line proofing (improof) software - 9 Brisque client licenses

Configuration	Equipment Description
	- HELIOS® License for 6 simultaneous EtherShare clients - Creo PressTouch s/w for Macintosh without interactive trapping - Brisque 5.0 core software with AIX version 5.2 - No Brisque training included with stand-alone unit - Brisque Operator training, at Creo Training Facility is included if a device is sold together. No Brisque training included with stand-alone unit.

Note: Refer to *Sections 3.2, 5.3 and 7.2* for additional Software & Storage options, and Device Connectivity Kits that must be ordered.
For Brisque Express Pro Single and Dual, an additional SCSI card is needed for an external SCSI device. Its part number: 015-00702A–Ultra320 LVD.

2.5 Brisque Express Impose

Brisque Impose is a powerful, automated workflow system for controlling prepress, plate and film production. Brisque Impose configurations provide a client-server architecture, proven CT/LW technology and flexible hardware options featuring the highest performance and richest functionality set among Brisque solutions. A Brisque Impose solution can be complemented by Brisque Extenders and Enhancers, and Synapse products to create a more integrated, collaborative and automated print production environment that supports the Networked Graphic Production initiative.

Brisque Impose maximizes press-operating time, shortens make-ready time, and handles unexpected pressroom problems without the need for reprocessing flats. Press-related settings, such as screening, dot gain compensation and imposition, are performed on the Brisque Impose before output, so you can incorporate last-minute changes with ease.

The Brisque Impose workflow solution offers automated image replacement, automatic preflight checking and correction of PDF files, page and form proofing, and the ability to expose to both film and plate. While geared toward prepress professionals who prefer the ROOM concept (RIP Once, Output Many) for their print environment, these systems are compatible with all popular file formats and output units, such as PDF, PDF/X, TIFF/IT-P1, CIP4-JDF, CIP4-PPF, ICF. It includes the ability to handle full PostScript flat impositioning, and Imposition Control Files (ICF) for just-in-time page independent impositioning.
Note: As of Brisque version 5.1, PCF is available for Pack PCF configuration.

Flexible trapping options include automated Full Auto Frames (FAF) trapping for RIPed Brisque pages, a vector trapping option for pre-RIP files and the ability to edit and trap post-RIP Brisque pages on a separate workstation. Brisque Impose delivers color accuracy by leveraging the Brisque color management technology to support of ICC profile and PANTONE spot color conversions in preflight, RIP and proofing. It supports Creo screening options including Staccato® FM screening to deliver photographic quality printing.

The Brisque Performance/Express Impose configuration is based on:

- 015-00686A—Brisque Impose 400 Express Single
- 015-00420A—Brisque Impose Express Dual
- 015-00275A—Brisque Impose Express Quad
- 015-00419A—Brisque Impose Express Single

Configuration for limited and control sales:

- 501R49540—Brisque Impose Performance Dual
- 015-00619A—Brisque Impose Performance Dual (v4.1)
- 015-00589A—Brisque Impose Performance Single (v4.1)

The following figure shows a typical Brisque Express Impose configuration.

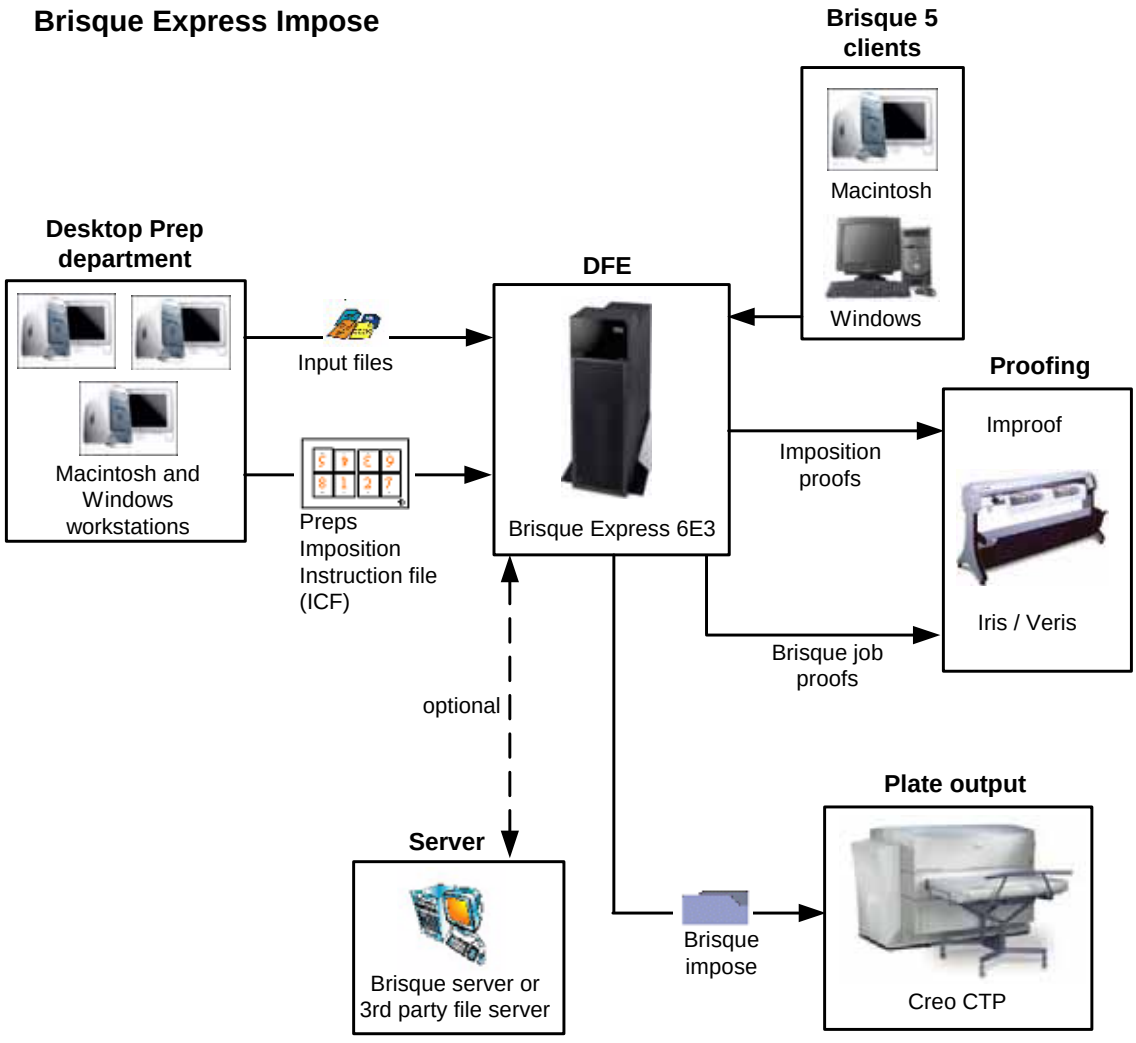


Figure 4: Example of typical Brisque Express Impose configuration

Brisque Performance/Express Impose Equipment List

Table: Brisque Express Impose station configuration

Configuration	Equipment Description
Express Impose Single	Brisque Express Impose Single (pSeries 615 Model 6E3) Workflow System, 1x1.2 GHz Power4+ CPU , 1GB RAM, AIX 5.2 - 1 x 36GB system disk, 1 x 73 GB user disk - 5 free slots, 2 free disk bay - IDE DVD-ROM, Floppy drive - 2 Ethernet (on board): 100BaseT & Gigabit - 15" LCD Display - Creo/Adobe CPSI PostScript & Extreme PDF RIP on Brisque - Brisque based imposition software - Creo Full Auto Frame trapping s/w on Brisque - Helios License for 6 simultaneous EtherShare clients - Creo PressTouch s/w for Macintosh without interactive trapping - Iris/Veris proofing software (no need for a proofing software license) - Digital blue line proofing (Improof) software - 4 Brisque client licenses - No Brisque training included with stand alone unit - Brisque Operator and Impose trainings, at Creo Training Facility are included if a device is sold together
Express Impose Dual	Brisque Express Impose Dual (pSeries 615 Model 6E3) Workflow System, (SMP), 2x1.2 GHz Power4+ Processor, 2 GB RAM, AIX 5.2 - 1 x 36 GB system disk, 2 x 73 GB user disk - 5 free slots, 1 free disk bay - IDE DVD-ROM, Floppy drive - 2 Ethernet (on board): 100BaseT & Gigabit - 15" LCD Display - Creo/Adobe™ CPSI PostScript™ & Extreme PDF RIP on Brisque - Brisque based imposition software - Creo Full Auto Frame™ trapping s/w on Brisque - Helios License for 6 simultaneous EtherShare clients - Creo PressTouch s/w for Macintosh without interactive trapping - Iris/Veris proofing software - Digital blue line proofing (Improof) software - 5 Brisque client licenses - No Brisque training included with stand alone unit. - Brisque Operator and Impose trainings, at Creo Training Facility are included if a device is sold together.
Express Impose Quad	Brisque Express Impose Quad (pSeries 630 Model 6E4) Workflow System, (SMP), 4x1.45 GHz Power4+ Processor , 4GB RAM, AIX 5.2 - 1 x 36 GB system disk, 2 x 73 GB user disk - 4 free slots, 1 free disk bay - IDE DVD-ROM, Floppy drive - 2 Ethernet 100BaseT (on board), 1 Gigabit board

	- 15" LCD Display - Creo/Adobe CPSI PostScript & Extreme PDF RIP on Brisque - Brisque based imposition software - Creo Full Auto Frame trapping s/w on Brisque - HELIOS License for 6 simultaneous EtherShare clients - Creo PressTouch s/w for Macintosh without interactive trapping - Iris/Veris proofing software - Digital blue line proofing (Improof) software - 9 Brisque client licenses - No Brisque training included with stand-alone unit - Brisque Operator and Impose trainings, at Creo Training Facility are included if a device is sold together.

Note: Refer to *Sections 3.2, 5.3 and 7.2* for additional Software & Storage options, and Device Connectivity Kits that must be ordered.
For Brisque Express Pro Single and Dual, an additional SCSI card is needed for an external SCSI device. Its part number: 015-00702A–Ultra320 LVD.

3. BRISQUE CONFIGURATION GUIDELINES

This section contains guidelines and tips that will help you in determining the most suitable Brisque configuration depending on the customer's needs.

3.1 Supported Platform Configurations

The following table lists Creo output devices, the device engine speed specification for plate production per hour, and the recommended DFE platform for maintaining the required engine speed. The table on the following page lists the supported platform configurations.

Notes for the table on next page:

- Adding RAM may improve performance of parallel operations, especially for Preview and Improof operations.
- Output refers to CTP expose functionality.
- 43P-150 (Tiger2) should work without AIX Client (Black Box mode). Only Macintosh® or Windows® clients are allowed. This platform with Brisque v5.0, you cannot drive a CTP device in the maximum engine speed.
- The following devices are not yet supported in Brisque V5.0: Lotem Quantum Spectrum, ThermoFlex, 74 Karat. These devices will be supported in V5.1.
- Magnus VLF V speed is supported only via Screen2Go, and is not yet supported in direct configuration.

Brisque 5.0 - Supported Platform configurations

rev. 5.4, May 2005		NEW Engine SPEC. (# PPH)	Engine SPEC. (# PPH)	Plate Size Around (In)	Plate Size Along (In)	# TSP boards	DFE Parallel Activities Output only [2]	DFE Parallel Activities RIP, FAF, Output	DFE Parallel Activities RIP, FAF, ImProof, Output
Trendsetter 4 up Family									
TS 400 S		11 / 12	11	32	30	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 400 V /AL		31 / 36	25 / 36	32	30	2	F50, 6F1, 6E3, 6E4	F50, 6F1, 6E3, 6E4	6F1, 6E3, 6E4
TS 400 Quantum S /AL		19 / 21	18 / 20	32	30	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 400 Quantum V /AL	**MCE TSP**	36 / 41	36 / 39	32	30	2	44P, F50, 6F1, 6E3, 6E4	F50-4, 6F1-4, 6F1-6, 6E3, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
Trendsetter 8 up Family									
TS 800 S		9	8	32	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 800 F		16	13	32	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 800 V		27	27	32	44	2	F50, 6F1, 6E3, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
TS 800 Quantum S /AL		9 / 10	8 / 8	32	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 800 Quantum F /AL	**MPE**	16 /17	14 / 16	32	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 800 Quantum V /AL		27 / 30	25 / 29	32	44	2	F50-4, 6F1, 6E3, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
TS 800 II S /AL		15 / 16	15 / 16	32	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 800 II F /AL		22 / 23	22 / 23	32	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 800 II V /AL		30 / 34	30 / 34	32	44	2	44P, F50, 6F1, 6E3, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
TS 800 Quantum II S /AL		15 / 16	15 / 16	32	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 800 Quantum II F /AL	**MCE TSP**	22 / 23	22 / 23	32	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS 800 Quantum II V /AL		30 / 34	30 / 34	32	44	2	44P, F50, 6F1, 6E3, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
Trendsetter 16+ up Family									
TS VLF P (4557, 5067, 5467, 5080, 5880)		5.5, 4.8, 4.3, 4.2, 3.7	5.5, 4.8, 4.3, 4.2, 3.7			1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS VLF 4557 F		7.5	7.5	45	57	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS VLF 5067 F		6.5	6.5	50	67	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS VLF 5467 F		6.3	6.3	54	67	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS VLF 5080 F		5.4	5.4	50	80	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS VLF 5880 F		5	5.5	58	80	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
TS VLF 4557 V	**MPE**	15	13	45	57	2	F50-4, 6F1-4, 6F1-6, 6E3, 6E4	F50-4, 6F1-4, 6F1-6, 6E3, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
TS VLF 5067 V		13	12	50	67	2	F50-4, 6F1-4, 6F1-6, 6E3, 6E4	F50-4, 6F1-4, 6F1-6, 6E3, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
TS VLF 5467 V		12	11	54	67	2	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
TS VLF 5080 V		12	9.7	50	80	2	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-6, 6E4
TS VLF 5880 V		11	9	58	80	2	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-6, 6E4
Magnus VLF S (4570, 5183, 5570, 6383)	**MCE TSP**	5.9, 5.1, 5.9, 4.9	5.9, 5.1, 5.9, 4.9			1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Magnus VLF F (4570, 5183, 5570, 6383)	**MCE TSP**	11.1, 9, 11.1, 9.2	11.1, 9.8, 11.1, 9.2			2	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-6, 6E4
Magnus VLF V (4570, 5183, 5570, 6383)	**S2G**	16.2, 14.7, 15, 13.4	16.2, 14.7, 16.2, 13.4			2	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4	6F1-6, 6E4
Trendsetter Newspaper Family									
TS News 50		44 / 20	44 / 20	26 / 32	15.75 / 44	1	44P, F50, 6F1	44P, F50, 6F1	44P, F50, 6F1
TS News 50C		44 / 20	44 / 20	26 / 32	15.75 / 44	1	44P, F50, 6F1	44P, F50, 6F1	44P, F50, 6F1
TS News 70		64 / 32	64 / 32	26 / 32	15.75 / 44	1	44P, F50, 6F1	44P, F50, 6F1	44P, F50, 6F1
TS News 70C		64 / 32	64 / 32	26 / 32	15.75 / 44	2	F50-4, 6F1-4, 6F1-6	F50-4, 6F1-4, 6F1-6	6F1-4, 6F1-6
TS News 100	**MCE TSP**	90 / 48	90 / 48	26 / 32	15.75 / 44	1	44P, F50, 6F1	44P, F50, 6F1	44P, F50, 6F1
TS News 100C		83 / 37	83 / 37	26 / 32	15.75 / 44	2	F50-4, 6F1-4, 6F1-6	F50-4, 6F1-4, 6F1-6	6F1-4, 6F1-6
TS News 150		128 / 60	128 / 60	26 / 32	15.75 / 44	1	44P, F50, 6F1	F50-4, 6F1-4, 6F1-6	6F1-4, 6F1-6
Lotem 4 up Family									
Lotem 400 S			10	24.5	29.5	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 400			16	24.5	29.5	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 400 Quantum			25	24.5	29.5	2	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 8 up Family									
Lotem 800 FH S			10	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 800 FH F			16	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 800 II S			10	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 800 II F			16	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	F50-4, 6F1, 6E3, 6E4
Lotem 800 II V			25	35	44	2	44P, F50, 6F1, 6E3, 6E4	F50-4, 6F1, 6E3, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
Lotem 800 Quantum S			10	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 800 Quantum F	**Lotem 3.51**		16	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	F50-4, 6F1, 6E3, 6E4
Lotem 800 Quantum V			25	35	44	2	44P, F50, 6F1, 6E3, 6E4	F50-4, 6F1, 6E3, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
Lotem 800 II S			15	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 800 II F			22	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 800 II V			29	35	44	2	44P,F50-4, 6F1, 6E3, 6E4	6F1, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
Lotem 800 Quantum II S			15	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 800 Quantum II F	**Lotem 3.75**		22	35	44	1	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4	44P, F50, 6F1, 6E3, 6E4
Lotem 800 Quantum II V			29	35	44	2	44P,F50-4, 6F1, 6E3, 6E4	6F1, 6E3-2, 6E4	6F1-4, 6F1-6, 6E3-2, 6E4
Lotem 16+ up									
Lotem XL			12	58	80	1	F50-4		

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3.2 Additional Software Options for Brisque 5.0

The table below lists additional options that you can select for new or existing Brisque configurations.
Note: A Brisque demo password is valid for 35 days, and enables to evaluate an option before purchase. The password is issued *only once* within a period of one year.

Table: Additional software options for Brisque 5.0

Part Number	Option Name	Description	Applicable configuration
501R49546	Brisque Versioning	Allows multiple page assignments per page set position	
501R49547	Web Growth Compensation	Linear distortion of plate separations to account for paper stretch on Web presses	
501R44792	Brisque Impose Option	When combined with the Creo Preps version, will allow ICF files to be used for independent page imposition	
501R44984	PDF2Go	Allows creating PDF files from CT/LW	
501R44685	Export PS	Allows creating PostScript from CT/LW	
501R44633	TIFF/IT P1	Allows input and creation of TIFF/IT P1 files from CT/LW	
501R44637	InkPRO	Creates ink key settings in .PPF format for transfer to presses	
501R49182	InkPro site license	Creates ink key settings in .PPF format for transfer to presses	
501R49391	PressTouch with Framing	For editing of CT/LW and interactive Mac trapping	All platforms. See pricelist for correct dongle part number
501R49560	Brisque FAF trapping	Adds automated FAF trapping to Brisque Access	Brisque Access (included with Pro and Impose)
015-00345A	Brisque PDF trap	Brisque PDF trapping software	
015-00346A	Brisque PDF trap	Brisque advanced PDF trapping software	
015-00392A	Brisque PDF trap	Brisque PDF trap u/g to advance PDF trap	
501R49614	Improof License	To add Improof option to Brisque Access & Expose	Brisque Access and Expose
501R49610	Iris Print connectivity kit	Connect to Iris Print Series from Brisque	
015-00282A	Brisque V5 U/G	Brisque V5 U/G FROM V4.1 (T&M)	
015-00314A	Brisque V5 U/G	Brisque V5 U/G FROM V3 + EXTREME FOR MSC	
015-00315A	Brisque V5 U/G	Brisque V5 U/G FROM V3 + EXTREME FOR T&M	
015-00316A	Brisque V5 U/G	Brisque V5 U/G FROM V3 (T&M)	
501A11280-N	Brisque to WindowsNT kit	Connects Brisque to Windows NT	

Part Number	Option Name	Description	Applicable configuration
015-00177A	Karat	Brisque to 74Karat Connectivity Kit	Brisque V4.1 only. To be supported in Brisque V5.1
501R44647	Karat	Rotation board for CTF to CTP Upgrade/74 Karat Upgrade	Brisque V4.1 only. To be supported in Brisque V5.1
N/A	Gravure	Available to IGS configurations only	Brisque V4.1. To be supported in future versions
501R49407	Staccato 20	Staccato 20 for Brisque	Included in Quantum DCKs
501R49861	Staccato 10	Staccato 10 for Brisque	
015-00024A	Staccato 10	Staccato 10 Additional	For existing Staccato users
015-00025A	Staccato 10	Staccato 10 Upgrade	
501R49863	Staccato 25	Staccato 25 for Brisque	
015-00578A	Staccato Extended	Staccato Extended	
015-00279A	Color	Brisque Advanced Color Management Option	
015-00280A	Brisque Client	Brisque Single Client	
015-00281A	Brisque Client	Brisque 5-Client Pack	
501R49484	Brisque Pack PCF	Brisque Pack PCF (Packaging Control File)	Brisque V4.1 only (planned for V5.1)
501R49483	Brisque Pack LRS upgrade	Brisque Pack LRS (Low Resolution Stepping)	Brisque V4.1 only (planned for V5.1)
015-00298A	Brisque Backup Solution U/G	Legato backup software. Hardware platform: 44P, F50, 6F1, 6E3/4, System disk: minimum 9 GB. **Note**: Performing backup during production may affect system performance. If maximum performance is required, Brisque Serve is the solution.	
015-00654A	Samba connectivity to Brisque Serve, Brisque 4.1 and Brisque 5.0		

Preps Software Options

The table below lists Preps options for new or existing Brisque configurations.

Table: Preps software options for Brisque 5.0

015-00548A	Preps Plus 5.0 Brisque Edition for Mac - iKey (USB) Hardware Key
634-00324A	Preps Plus Brisque Customer Loyalty Incentive - v5.0 for Win/Mac - iKey (USB) Hardware Key
634-00266A	Preps Plus Brisque Edition - Upgrade 2.0, 2.5, 3.0 or 3.5 to 5.0
634-00210A	Preps Plus Brisque Edition - Upgrade 4.1, 4.2 to 5.0

632-00189A	Preps Plus Brisque Edition for Win/Mac - Dongle Exchange - iKey (USB) Hardware Key
015-00549A	Preps Pro 5.0 Brisque Edition for Mac - iKey (USB) Hardware Key
501R49748	Preps Pro Brisque Edition - Change from Plus
634-00267A	Preps Pro Brisque Edition - Upgrade 3.5 to 5.0
634-00211A	Preps Pro Brisque Edition - Upgrade 4.1, 4.2 to 5.0
632-00190A	Preps Pro Brisque Edition for Win/Mac - Dongle Exchange - iKey (USB) Hardware Key

Preps version 5.1.1 was released to Early Production in April 2005, and will replace Preps 5.0. This is a significant release that will provide flexible new imposition options for Creo workflow users.
Note: This release is a free upgrade for Preps 5.0 users.

Screen2Go and 3rd Party Options

Screen2Go is a licensed application running on the Brisque. Native files from Brisque, including: CT, LW, NCT, CTHS, LWHS, Page, Job and Impo Job to be compressed into1-bit TIFF files. Three types of TIFF compressions are available: CCITT G4, TIFF LZW and Packbit Mac. Screening is enabled by the TSP board (one or two boards) that is installed in the Brisque. The resulting TIFFs can be sent to a 3rd party output device via a network or removable media.

Table: Screen2Go and 3rd party software options for Brisque 5.0

501R49615	Brisque Screen2Go 4-up Upgrade License *
501R49616	Brisque Screen2Go 8-up Upgrade License *
501R49617	Brisque Screen2Go VLF Upgrade License *
501R49475	Brisque to 3rd Party 4up Connectivity
501R49476	Brisque to 3rd Party 8up Connectivity
015-00546A	Brisque to 3rd Party 8up Connectivity (Brisque Express Only)
501R49477	Brisque to 3rd Party VLF Connectivity
015-00547A	Brisque to 3rd Party VLF Connectivity (Brisque Express Only)
015-00177A	Brisque to 74 Karat Connectivity Kit. **Note:** Is supported in Brisque 4.1, and to be supported in Brisque 5.1.

Notes:

- * These licenses apply only to customers purchasing a proper DCK.
- All 3rd party devices should be qualified prior to configuration with these part numbers.

3.3 Building Solutions with Brisque

The configurations shown on the following pages are examples of typical solutions for each revenue segment within the commercial market.

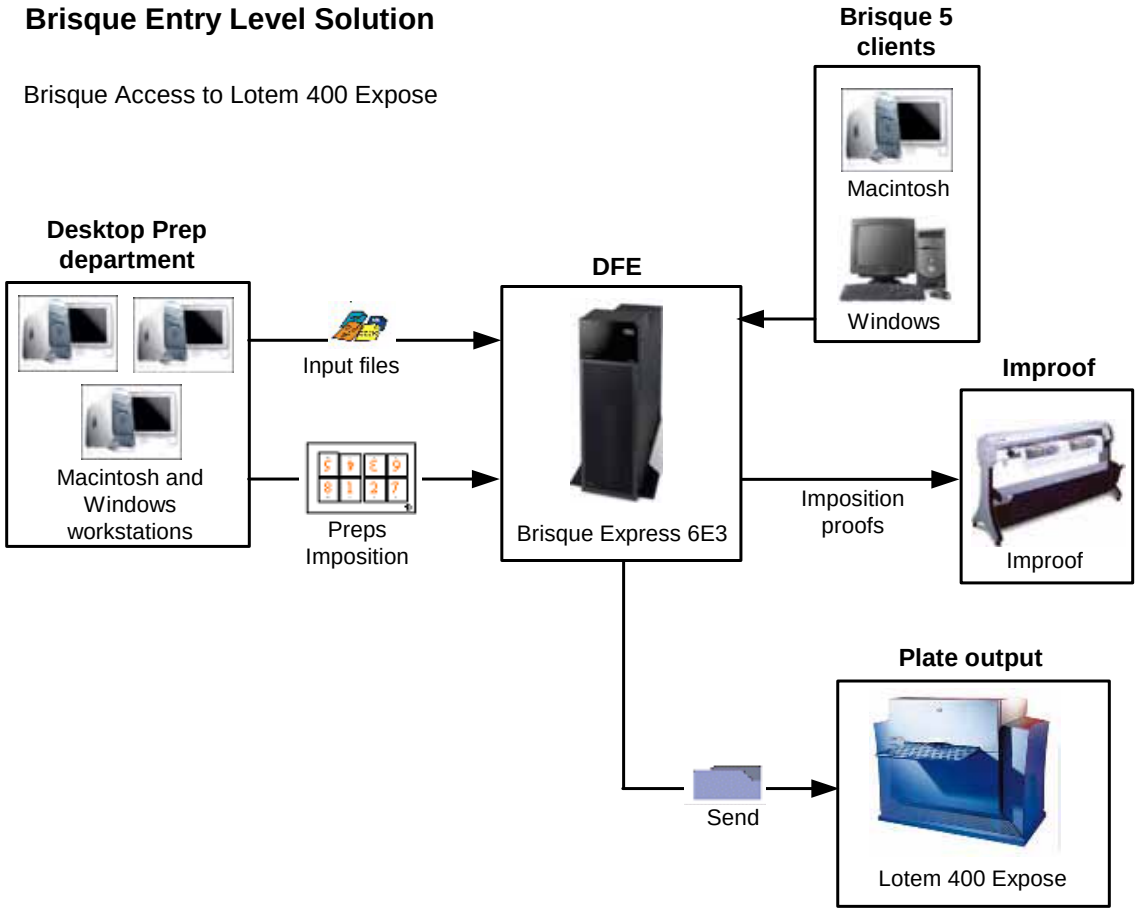


Figure 5: Optimum entry level solution

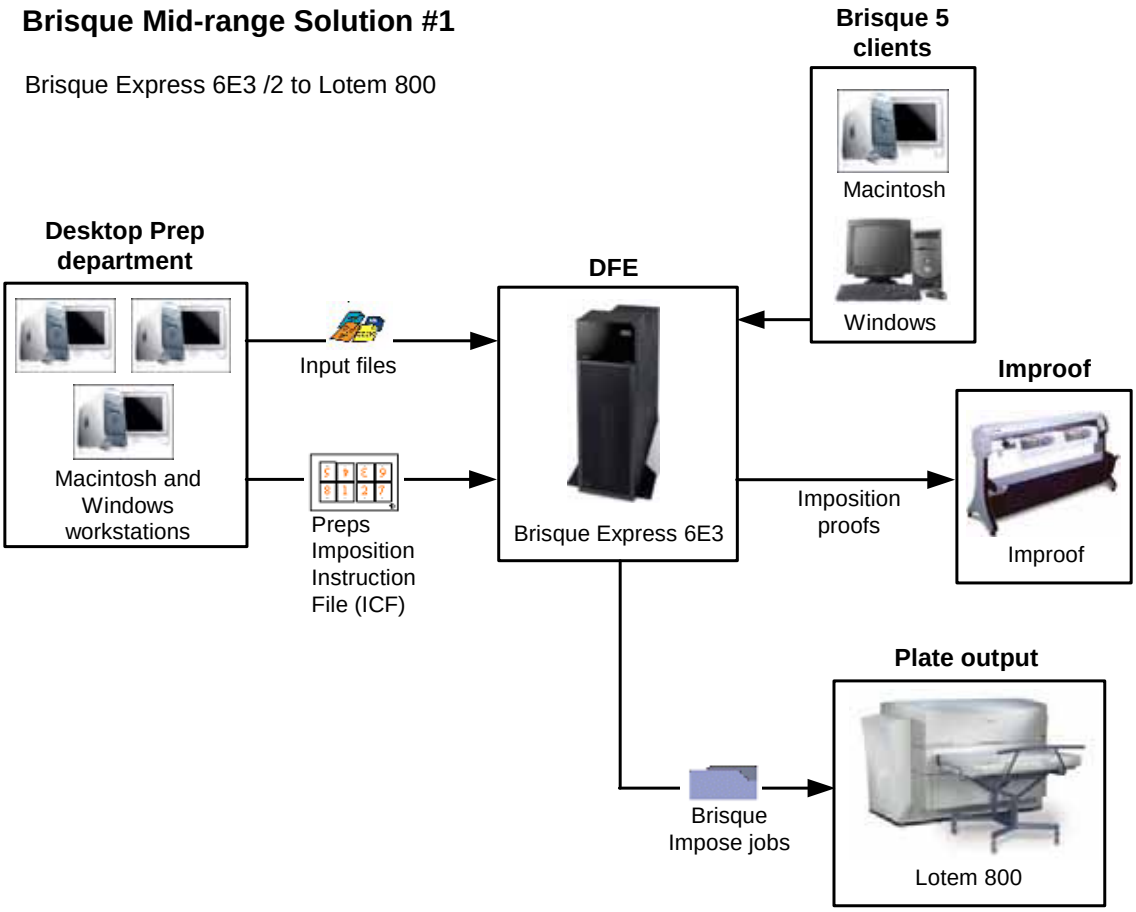


Figure 6: Optimum mid-range solution

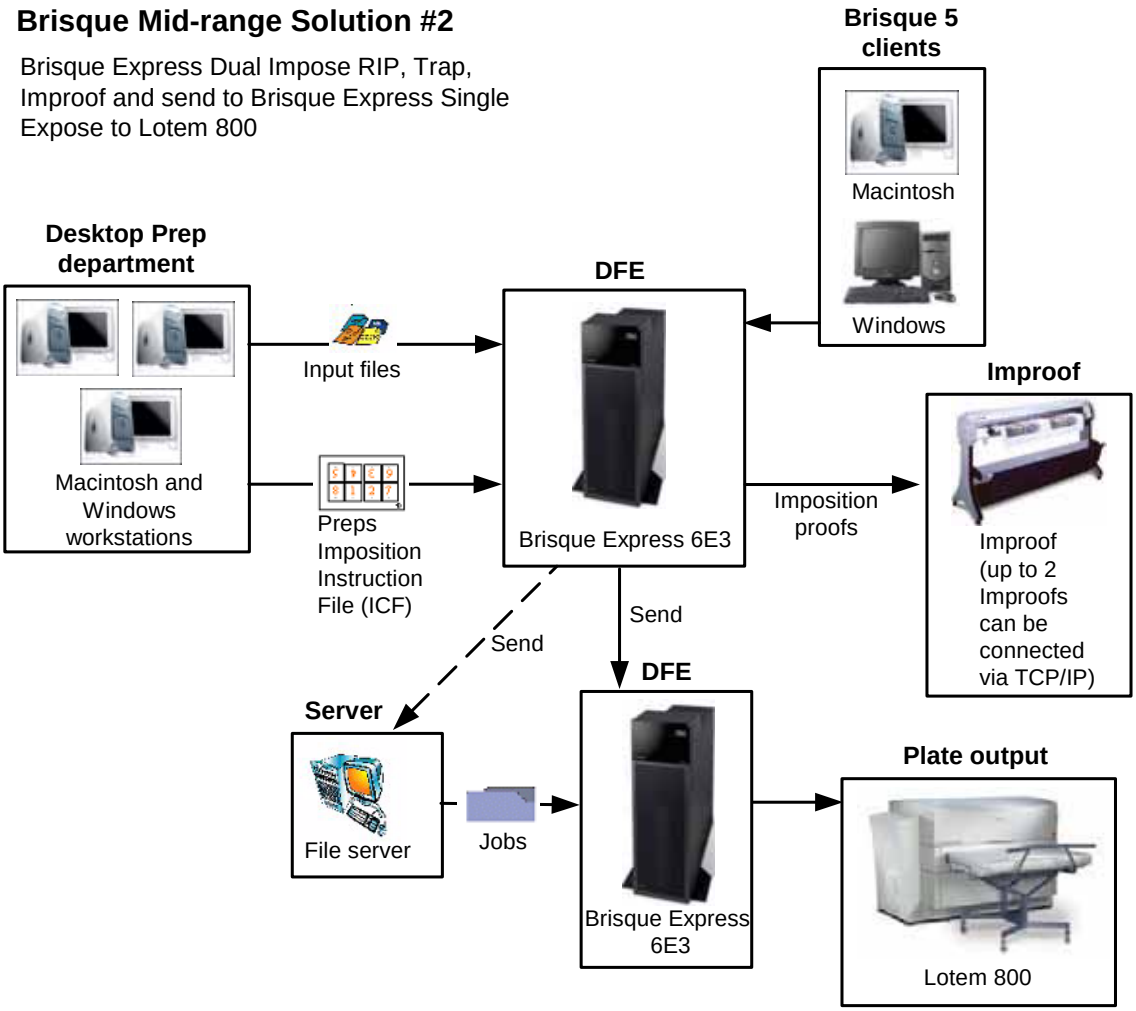


Figure 7: Another optimum mid-range level solution

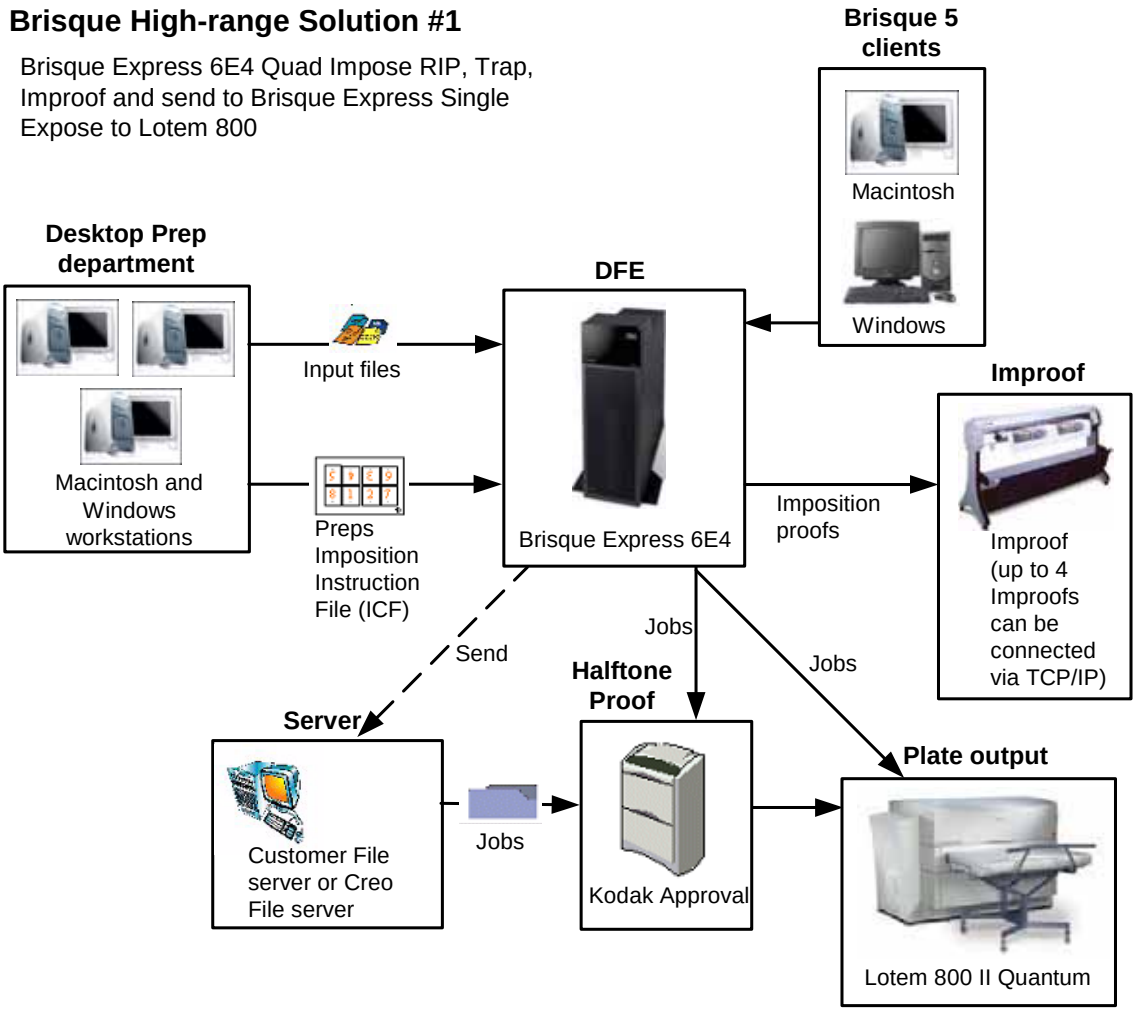


Figure 8: Optimum high-range solution

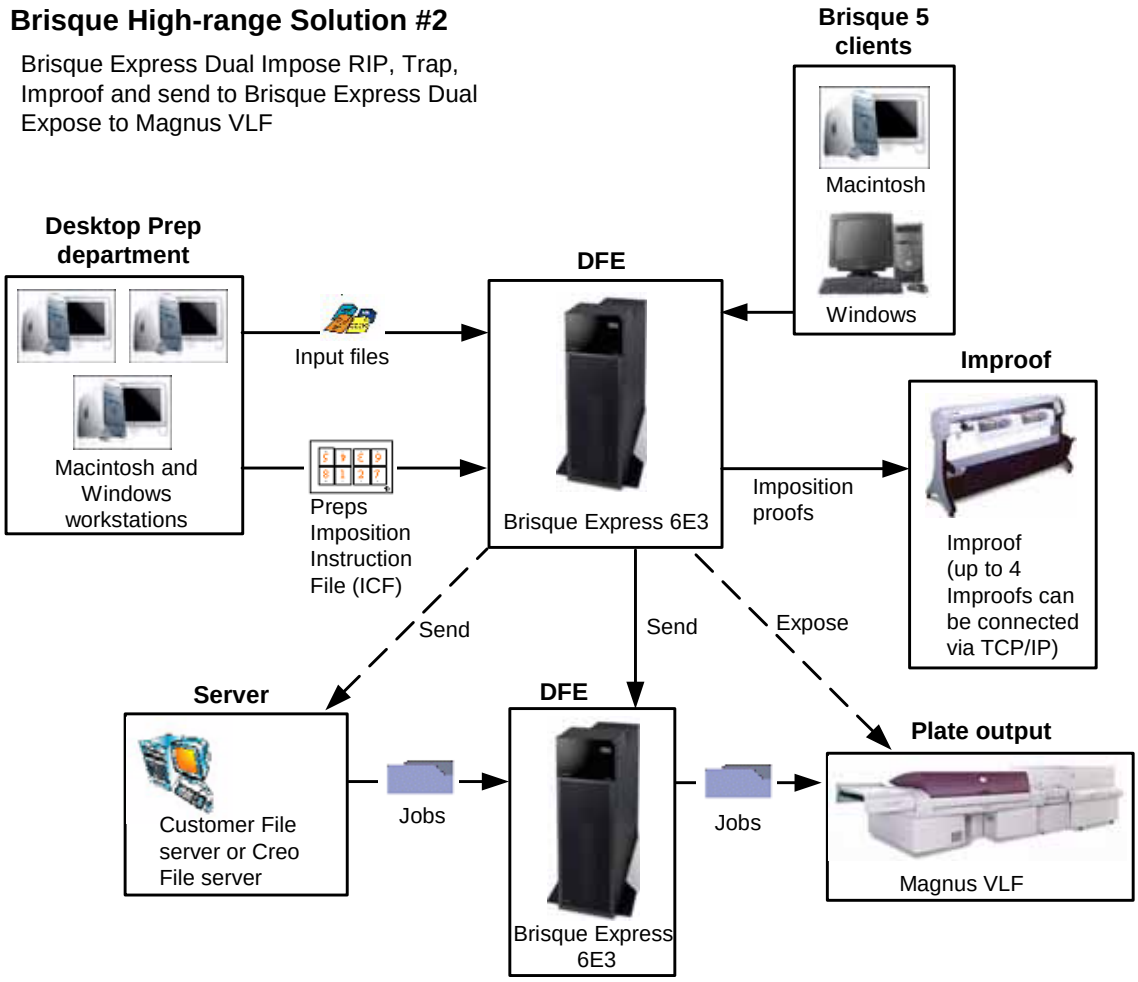


Figure 9: Another optimum high-range level solution

3.4 Comparison of CPU Performance per Platform

This section compares CPU performance of various Brisque platforms, thus helping you to select the suitable platform that answers the customer's needs. *Section 3.5* describes the files that were used for testing the configurations, and the calculation method.
Note: All tests were performed on Brisque v5.0.

Table: Tested platforms

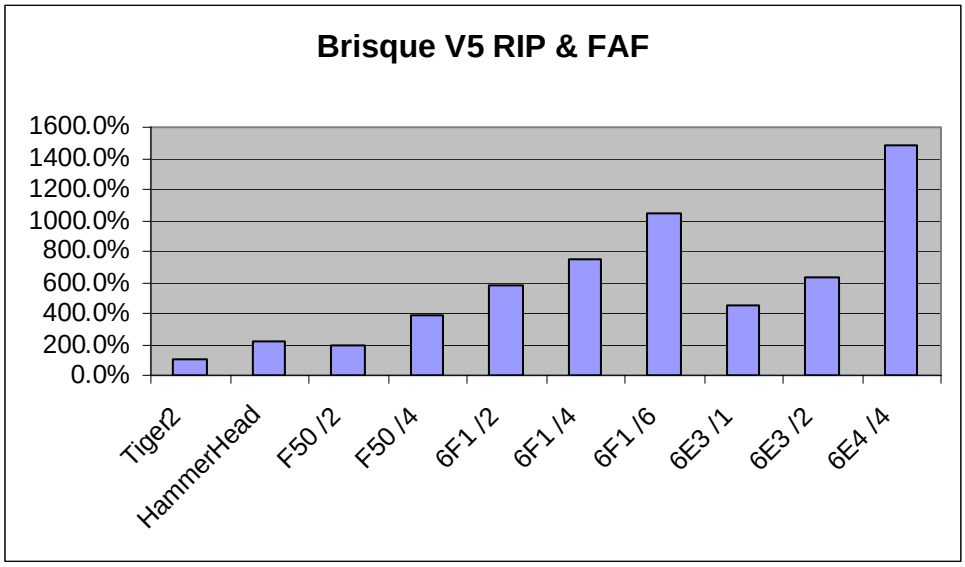
Platform	CPU (MHz)	RAM (MB)
43P-150	375	1024
44P-170	400	1536
F50 /2	332	2048
F50 /4	332	2048
6F1 /2	600	2048
6F1 /4	600	2048
6F1 /6	750	2048
* 6E3 /1	1200	1024
* 6E3 /2	1200	2048
* 6E4 /4	1450	4096

*** Note:** Minimum for Brisque V5.0.

Table: CPU power—RIP and FAF

Platform	Pages/hour	Ratio vs. 43P-150
43P-150	59	100.0%
44P-170	129.1	218.8%
F50 /2	111.3	188.6%
F50 /4	226.4	383.7%
6F1 /2	343.8	582.7%
6F1 /4	442	749.2%
6F1 /6	614.3	1041.2%
6E3 /1	263.5	446.6%
6E3 /2	375.5	636.4%
6E4 /4	878	1488.1%

The following diagram displays the information in the above table in a graphic format.



The above two tables list the number of pages per hour you can RIP and FAF on each platform. This information provides the throughput in reference to the Tiger II platform, thus enabling a comparison between platforms. It does not provide the total throughput for each platform. Additional workload on the platform will reduce the throughput.

3.5 Files Used for Performance Testing and Calculation Method

Commercial Market Test Files Specifications

The test files for the Commercial market comply with Adobe PostScript 3.0 standards, generated from a standard desktop application (such as QuarkXPress®). The test file should have the following minimum characteristics:

- Rich in colors, 4 to 6 colors (4 process and 2 spots).
- Complex and high-resolution images with overlaps (maximum 10 per page) and some background images. The images should have variety of file formats, such as TIFF, EPS and DCS (1 and 2) with different compressions.
- Good percentage of trapped components (vector, raster, and combo).
- Text contents with different font types, font styles and sizes. Possibly some color text.
- Vignettes and /or vignette backgrounds possibly with some text overlap.
- At least 8 pages of standard page size (letter or A4).

The minimum requirement is three sets of files, complying with all or some of the above characteristics.

The files that currently meet the characteristics of a commercial test file:

- **Creotivity 5**: 8 Letter sized pages CMYK + 2 spots (Pantone 1385CV and Pantone 227 CV)
- **Nikon**: 16 (2 8-up) Letter sized pages CMYK + 1 spot (zwart-tekst)
- **Hemlock**: 16 (2 8-up) Letter sized pages CMYK + 2 spots (Pantone 122 CV and Pantone Warm Gray 10 CV)

Commercial Market Flat-Based Workflow Test Files Specifications

The test files for the Flat-based workflow are the test files used in the Commercial section. The imposition files comply with Adobe PostScript 3.0 standards, generated from a standard desktop application (such as, QuarkXPress). The imposition test file should have the following minimum characteristics:

- PostScript four process colors flats
- Simple color bar and marks
- 8-up to fit a 32x44 plate size

The minimum requirement is five sets of imposition test files for each plate size.
The files and the test results are available on CD for internal use and distribution to customers, if needed. The Nikon files are not available since Creo does not own them.

Calculation Method

To calculate the maximum number of plates that any given Brisque platform can achieve for sending to another Brisque to expose, refer to the following formula. This formula is calculated from the test files that were used in performance tests.

Number of average separations per page (from the above list):

1x6 (colors) + 2x5 (colors) + 2 x 6 (colors) divided by 5 signatures = **5.6** separations/page
Imposition ratio for: 4-up: 4 divided by 5.6 = 0.71
8-up: 8 divided by 5.6 = 1.43
16-up: 16 divided by 5.6 = 2.86
Pages/hour listed in the previous table divided by imposition ratio = max. number of plates/hour.

Calculation Examples:

- See previous table (RIP and Trap) Hammerhead = 85.3 pages per hour
  85.3 divided by 1.43 = 59 of 8-up plates per hour that Hammerhead can send to an Expose station connected to output device.
- See previous table (RIP and Trap) 6F1 (4-way) = 292.6 pages per hour
  292.6 divided by 1.43 = 205 of 8-up plates per hour that a 6F1 (4-way) can send to an Expose station connected to output device.

3.6 Multi-device Connectivity

This section describes the available multi-device configurations and device requirements for a Brisque site, and the maximum number and type of supported devices for each Brisque platform.

General tips:

- Brisque supports up to 2 proofing (Veris/Iris) devices, 4 imposition proofing/Integris devices, 1 CTP device and 1 CTF device on a single server.
  Note: In some platforms, the operation must be done in serial and not in parallel (refer to the *Multi-device matrix* on the next page).
- Multi-device configuration for CTP and CTF devices is released on v4.1 and is part of v5.0 full production version.
- Improof—only TCP/IP configuration is supported.
- Screen2Go—it is possible to perform CTP in parallel with Screen2Go, using two TSP boards in SMP platform configurations.
- Serial operation (with one TSP board for Screen2Go and CTP operations) is supported. The operator is responsible for the synchronization between the operations.
- Screen2Go is supported by both TSP75 and TSP100 (One board configuration only).
- Local AIX client, on F50 and Tiger II—F50 and Tiger II (43P-150) should work in Black Box mode.
- For full engine speed for each CTP per Brisque platform, and for a list of the various output devices that are supported by Brisque refer to the *Supported Platform configurations* table in page 14 in *Section 3.1 Supported Platform Configurations*.
- There is only one queue for Rotation even in multi CPU platforms. This implies that only one rotated job can be processed (for example, proofed) at any given time, even on multi CPUs platforms.

Brisque Multidevice Configuration

Brisque supports up to 2 Proofs (Veris/Iris), 4 imposition proofing/Integris (TCPIP only) and 2 screening devices (CTP or CTF or Halftone or Screen2Go) on a single SMP server.
The table describes the maximum supported devices on each Brisque platform for parallel processing.

Device (up to)			TSP	Brisque Platform																							
Proof	Improof	Screening		E30		Tiger I (43P-		Tiger II (43P-		Performance Single		Brisque2 (F50 2-		Brisque4 (F50 4-		Performance Dual (6F1 2-		Performance Quad (6F1 4-		Performance Sixt (6F1 6-		Express Single (6E3 1		Express Dual (6E3 2-CPU)		Express Quad (6E4 4-	
				v4.1	v5	v4.1	v5	v4.1	v5	v4.1	v5	v4.1	v5	v4.1	v5	v4.1	v5	v4.1	v5	v4.1	v5	v4.1	v5	v4.1	v5	v4.1	v5
1	1	1 CTF	1	√	N/A	√	N/A	√	√	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
1	2	1 CTF	1	X	N/A	X	N/A	√	√	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
1	2	1 CTP	1	X	N/A	X	N/A	√	X	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
1	2	1 S2G	1	X	N/A	X	N/A	√	X	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
1	2	1 Halftone	1	X	N/A	X	N/A	√	X	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
2	2	1 CTF	1	X	N/A	X	N/A	X	X	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
2	2	1 CTP	1	X	N/A	X	N/A	X	X	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
2	2	1 S2G	1	X	N/A	X	N/A	X	X	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
2	2	1 Halftone	1	X	N/A	X	N/A	X	X	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
2	2	1 Fast CTP	2	X	N/A	X	N/A	X	X	√	√	√	√	√	√	√	√	√	√	√	√	N/A	√	N/A	√	N/A	√
2	4	1 CTF	1	X	N/A	X	N/A	X	X	X	X	√	√	√	√	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 CTP	1	X	N/A	X	N/A	X	X	X	X	√	√	√	√	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 S2G	1	X	N/A	X	N/A	X	X	X	X	√	√	√	√	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 Halftone	1	X	N/A	X	N/A	X	X	X	X	√	√	√	√	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	2 Kodak XP4	2	X	N/A	X	N/A	X	X	X	X	√	serial	√	serial	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 CTF, 1 CTP	2	X	N/A	X	N/A	X	X	X	X	√	serial	√	serial	√	serial	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 CTF, 1 S2G	2	X	N/A	X	N/A	X	X	X	X	√	serial	√	serial	√	serial	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 CTP, 1 S2G	2	X	N/A	X	N/A	X	X	X	X	√	serial	√	serial	√	serial	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 CTF, 1 Halftone	2	X	N/A	X	N/A	X	X	X	X	√	serial	√	serial	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 CTP, 1 Halftone	2	X	N/A	X	N/A	X	X	X	X	√	serial	√	serial	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 S2G, 1 Halftone	2	X	N/A	X	N/A	X	X	X	X	√	serial	√	serial	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 Fast CTP	2	X	N/A	X	N/A	X	X	X	X	√	serial	√	serial	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√
2	4	1 Fast CTF	1	X	N/A	X	N/A	X	X	X	X	√	serial	√	serial	√	√	√	√	√	√	N/A	X	N/A	√	N/A	√

By Device Type:

Type	Device Name
CTF	Dolev (all models except Dolev800V^3)
CTP	Trendsetter Quantum S & F speed, Trendsetter Quantum Spectrum
S2G	Screen2Go
Halftone	ProofSetter, Kodak XP4
Fast CTP	Lotem Quantum (& II), Lotem Quantum (& II) Spectrum, Trendsetter Quantum (& II) V speed
Fast CTF	Dolev800V^3
Proof	IrisPrint, IrisRealist, Veris
ImProof	HP, IrisWide, Epson

By Device Name

Device Name	Type
Dolev (all models except Dolev800V^3)	CTF
Dolev800V^3	Fast CTF
Lotem	CTP
Lotem Quantum V speed (& II)	Fast CTP
Lotem Quantum Spectrum (& II)	Fast CTP
Trendsetter, Trendsetter Spectrum, Trendsetter Quantum	CTP
Trendsetter Quantum Spectrum	CTP
Trendsetter Quantum V speed (& II)	Fast CTP
ProofSetter	Halftone
Kodak XP4	Halftone
Screen 2 Go	S2G

Notes:

- One TSP board for S, F & P speed devices and Dolev800V^3.
- Two TSP boards for V speed devices.
- Improof - only TCP/IP configuration is supported.
- SFL & VLSI interface board are not supported in multidevice configurations. Only TSP board is supported.
- Dolev 200/400 cannot be part of multidevice configurations.
- Dolev800V^3 is supported by TSP100 only.
- It is possible to expose to CTP in parallel to Screen2Go, using two TSP boards in SMP configurations.
- One TSP board used for both operations, S2G and CTP or CTF is supported. The operator is responsible for The synchronization of The operations.
- Screen2Go is supported by both TSP75 and TSP100.
- For F50 platforms (Brisque2 & Brisque4 configurations), 2 screening devices in parallel process is supported only on v4.1. For v5, only serial processes are allowed in order to ensure the performance.
- **Full engine speed is not guaranteed for any parallel device configuration. For full engine speed for each CTP per Brisque platform, see the Platform_CTP_Devices matrix**

Integrate one Integris BPA (only) requires BOTH PROOF AND IMPROOF LICENSE AND ONE IMPROOF SLOT FREE.

3.7 Brisque Macintosh and Windows Clients

The minimum hardware and software requirements for Brisque Macintosh and Windows clients are detailed below.

Brisque v5.x – Client Configurations

Table: Client configurations per platform

Model	CPU Count	Def. Users	Max. Users	Add. Users	Licensed	Previews
43P-150 (Tiger II)	1	2	4	2	2	2
44P-170 (HH)	1	3	7	4	4	2
F50 Dual	2	3	6	3	3	2
F50 Quad	4	4	9	5	5	2
6F1 Dual	2	4	8	4	4	2
6F1 Quad	4	5	11	6	6	4
6F1 Sixt	6	7	13	6	6	4
6E3 Single	1	4	8	4	4	2
6E3 Dual	2	5	9	4	4	2
6E4 Quad	4	9	21	12	12	4

Table legend:

- **Def. Users**—number of clients "out of the box" (without adding anything), including the Brisque AIX client
- **Max. Users**—maximum number of clients when the application is in Black Box mode, where the AIX client is disabled. See the note below.
- **Add. Users**—maximum number of clients that you add, purchasable (password protected)
- **Licensed**—maximum number of clients listed in System tools > Licensing
- **Previews**—maximum number of simultaneously hi-res Previews

Note: Black Box mode is a v5.0 new mode where the login (cdesci) stops just before the Brisque AIX Clients is up. In this mode, all Mac/Windows Clients are able to login to the Brisque. Terminal, Smit, Scismit and Device Handling are available only on the Brisque AIX machine. When in this mode, you can log in one additional Mac/Windows Client into the Brisque. This is the recommended working method in Brisque v5.0.

Windows:

- 256 MB (minimum)
- 512 MB (recommended)
- 200 MB hard disk space
- Microsoft Windows 2000 (SP4), XP, or NT 4.0 (SP6a)
- Intel Pentium III 500 MHz or compatible

Mac OS® X:

- 512 MB (minimum)
- 1 GB (recommended)

- 200 MB hard disk space
- G4, 1.2 GHz (recommended)
- Mac OS X release 10.2.6 or higher
- Java 1.41 plus Update 2

3.8 Mounting Options with Mac OS X

AppleShare® mount benefits:

- It is the native way to mount volumes from the finder
- Gives full control over the remote volume, according to username/login
- Probably the fastest OS X protocol
- All HELIOS resource files (.rsrc) will be updated

Limitations of AppleTalk® mount:

- The Macintosh cannot see files names that are more than 31 characters long
- If you create a new folder on the Brisque® via the Mac it will be read-only
- Files that were copied via NFS, are displayed with system icons via AppleTalk
- Performance rate: Up to 10 MB, depending on network conditions.

NFS mount benefits:

- The Mac can see files names that are more than 31 characters long

Limitations of NFS:

- The Mac requires a static address (that is manually added)
- Download (Server to OS X) is fairly fast, however uploading (OS X to Server) is very slow (approximately 400 KB/sec)
- You must add your Mac IP Address in the smit hosts in the Brisque
- Avoid using invalid characters when naming your Mac use only 1 to 9, A to Z and _ (underscore)
- All HELIOS resource files (.rsrc) will NOT be updated
- File type limitations: The following file types that were copied via NFS have lost their icons and they appear as Unix files:
    - .sct, dcs1, .EPS (eps from Eskoscan copydot). However, they are previewed and RIPed properly
    - NFS does not recognize the HF icon. It appears as a regular folder
    - The .jtt icon appears different in NFS and AppleTalk
    - Files that where copied via AppleTalk are listed with system icons via NFS
    - Show HF icons as default ones
- If you create a new Brisque folder via the Mac it will be read-only (use Command + I and change permissions).
- **Performance rate**: Download rate up to 10 MB/sec. Uploading is approximately 400 KB/sec on a 100BT network.

SMB (Windows File Service) mount benefits:

- The Mac can see files names that are more than 32 characters long
- Support special characters
- Much faster connection avoiding AppleTalk (Unix to Unix connection)

Limitations of SMB mount:

- The Mac needs a static address (that is manually added)
- Avoid using invalid characters when naming your Mac, use only 1 to 9, A to Z and "_" (underscores)
- Combined mountpoint name may not exceed 10 characters
- **Performance rate**: Up to 10 MB, depending on network conditions.

Further details can be found in the Mac OS X Mounting Options in a Brisque Environment document, that is posted on TechPlanet at: http://techplanet.creo.com/software_solutions/workflow_software/brisque/content/docs/Brisque5/macosx_mount_brisque.pdf.

3.9 Legacy Configurations—Applications and Devices

This section lists the configurations and the software and hardware components that are no longer supported, or those that will be supported in a future Brisque version.

Configurations not supported in Brisque 5.0 but will be supported in later 5.x versions:

Note: Brisque v4.1 configurations should be ordered for the configurations listed below.

- Brisque Pack PCF and Brisque Pack LRS—supported in version 5.1
- 74 Karat—supported in version 5.1
- Lotem Quantum Spectrum—supported in version 5.1
- Gravure: IGS and **Exactus**
- ThermoFlex—supported in version 5.1
- Kanji—2bytes CID fonts

Legacy configurations not supported as of Brisque 5.0 FP version:

Hardware:

- E30 (Victory)
- 43P–140 (Tiger 1)
- SFL/VLSI interface
- LanC card /PTOP
- Graphic boards S15, 110P
- SCSI2 F&W
- 3Com Ethernet interface

Devices:

- Kodak Approval Classic
- HP 650C

Software:

- Embedded Enfocus PitStop Server (replaced by Creo PreFlight)
- Preps v3.6.1 (Preps v4.2 or higher are supported)
- NatFX
- Brisque RMX/UFS module (501R44573)
- TransferPro (replaced by Brisque v5 file browser)
- HELIOS 2.5 (Brisque v5 is supplied with HELIOS v2.6)
- AIX 4.x (Brisque v5 is supplied with AIX 5.2)
- MacFE (replaced by Brisque v5 client, OS X and Windows)

Software options (already included in the Brisque V5.0 base configuration):

- 015-00021A—Brisque SmartEdge software module

4. MEMORY CONFIGURATION POLICY

This section describes the CPU configurations of the Brisque 5 platforms.

4.1 Brisque Memory Upgrade Kits for Brisque Platforms

Refer to *Table: Memory Upgrade kits for Brisque Platforms* on next page.

Machine:	43P-150	F50 /2	F50 /4	44P-170	6F1 /2	6F1 /4	6F1 /6	6E3 /1	6E3 /2	6E4 /4
Modules (DIMMs) in a set:	1	2	2	2	4	4	4	4	4	8
Number of slots:	4	8 pairs	8 pairs	2 pairs	4 quads	4 quads	4 quads	2 quads	2 quads	2 octads
Optional sets (option 1): Optional modules (option 1):	128 MB	64 MB (2x 32)	64 MB (2x 32)	256 MB (2x 128)	512 MB (4x 128)	512 MB (4x 128)	512 MB (4x 128)	1 GB (4x 256)	1 GB (4x 256)	2 GB (8x 256)
Optional sets (option 2): Optional modules (option 2):	256 MB	256 MB (2x 128)	256 MB (2x 128)	512 MB (2x 256)	1 GB (4x 256)	1 GB (4x 256)	1 GB (4x 256)	2 GB (4x 512)	2 GB (4x 512)	4 GB (8x 512)
Optional sets (option 3): Optional modules (option 3):				1 GB (2x 512)	2 GB (4x 512)	2 GB (4x 512)	2 GB (4x 512)	4 GB (4x 1024)	4 GB (4x 1024)	8 GB (8x 1024)
Minimum RAM - **v5.0 EP**: Minimum RAM - **v5.0 FP**:	512 MB 1 GB	1 GB 2 GB	1.5 GB 2 GB	1 GB 1.5 GB	1 GB 2 GB	1.5 GB 2 GB	2 GB 2 GB	1 GB 1 GB	2 GB 2 GB	4 GB 4 GB
v5.0 EP / FP difference:	512 MB	1 GB	512 MB	512 MB	1 GB	512 MB	–	–	–	–
RAM configuration - config 1:										
RAM sets - v5.0 EP:	2x 256	4x 256	6x 256	1x 1GB	1x 1GB	1GB+ 512	1x 2GB	1x 1GB	1x 2GB	1x 4GB
Free slots on v5.0 EP:	2	4	2	1	3	2	3	1	1	1
To upgrade RAM for FP - add:	2x 256	4x 256	2x 256	1x 512	1GB	512	–	–	–	–
Creo P/N (one set):	501R49184	501R44938	501R44938	501R49568	501R49570	501R49569				
RAM configuration - config 2:										
RAM sets - v5.0 EP:	2x 128 + 1x 256	4x 64 + 3x 256		2x 512	2x 512	3x 512	2x 512 + 1GB			
Free slots on v5.0 EP:	1	1		0	2	1	1			
To upgrade RAM for FP - remove:	2x 128	4x 64		1x 512	–	–	–			
To upgrade RAM for FP - add:	3x 256	5x 256		1GB	1GB	512	–			
Creo P/N (one set):	501R49184	501R44938		015-00042A	501R49570	501R49569				

4.2 Memory Configuration—Requirements and Performance Issues

This section provides the memory configuration—requirements and performance issues for all Brisque 5.0 platforms, and addresses additional performance issues with the Tiger II and F50 platforms.

Table: Memory configuration per platform

Machine type	Minimum size	Recommended size
43P-150 (Tiger II)	1.0 GB *	1.0 GB
F50 /2	2.0 GB *	2.0 GB
F50 /4	2.0 GB *	2.0 GB
44P-170 (Hammerhead)	1.0 GB	1.5 GB
6F1 /2	1.0 GB	2.0 GB
6F1 /4	1.5 GB	2.0 GB
6F1 /6	2.0 GB	2.0 GB
6E3 /1	1.0 GB	1.0 GB
6E3 /2	2.0 GB	2.0 GB
6E4 /4	4.0 GB	4.0 GB

*** Note:** If Brisque 5.0 is already installed on 43P-150 and F50 workstations, there is no need to change the existing memory. However, it is highly recommended that customers upgrade the memory to the recommended size.

An updated V5Ready procedure will provide memory requirements per Brisque platform, so that these will be known to customers prior to Brisque 5 installation. The new procedure will be posted on the eCentral, Creo.com and TechPlanet sites.

General Tip: Customers are advised that adding memory to the Brisque and Client workstations (on top of the defined pre-requisite), may increase performance. The degree of increase depends on the customer's workflow and configuration.

Tiger II and F50 performance issues

The 43P-150 (Tiger II) and F50 platforms show slower performance in Brisque version 5.0.61.10 (FP version), in comparison to version 4.1.

Performance during parallel operations

During parallel operations on the F50 with 2/4 CPUs, the following performance issues were found:

- Throughput reduction of about 10% in the output operations (Screen2Go and Plate Expose)
- Slow response on Brisque clients

To improve performance in such cases, it is recommended to adjust the **vmtune** AIX kernel. This will enable more efficient paging activity, thus significantly increasing overall system performance.

This adjustment is part of a planned update that will follow the FP released version. This update will be loaded on top of the FP version.

Alternatively, the **vmtune** adjustment can be performed manually on each Brisque workstation. Appropriate instructions on how to perform this adjustment have been sent to all field engineers and Remote Support personnel.

This adjustment affects the overall performance of all Brisque configurations/platforms. However, due to a combination of relatively low performance platforms (namely, F50 and Tiger II) and the enhanced client server operation (Java architecture) in Brisque version 5, there could be cases where the customers' experience will be different from their experience with Brisque version 4.x.

Plate throughput in Tiger II

It was also found that when the Tiger II is directly connected to the new Trendsetter® 800 II F speed device, the throughput is a maximum of 13 pph (plates per hour) instead of 16 pph (which is the expected throughput for this machine speed). This reduced throughput occurs with Brisque v4.1 and v5.0.

Conclusions:

- Tiger II is not approved for any CTP output
- FP Update 10 for v5.0 Upgrades is required in order to address client performance issues. The new system performances adjustment should be done manually (**vmtune** adjustment). System performance adjustments will be part of the FP release.
- The memory configuration requirements, as presented in the *Memory configuration per platform* table in this document, should be followed prior to upgrading to V5.

4.3 Testing Results Examples

Enhanced performance tests with Tiger II and F50

This section lists several test cases that demonstrate the performance improvement with 43P-150 (Tiger II) and F50 in the released V5.0 FP version.

F50 4-CPU 1543 MB RAM

Test suite—the test was based on standard BenchMark scripts and files, and was comprised of 10 x RIP-FAF, 8 x Improof and 6 x Screen2Go. All jobs contained the standard four separations, and all Improof and Screen2Go jobs were 8xA4 sizes. Screen2Go device was 1037x770mm without rotation.

Results (numbers are in minutes):

Total time = 63 RIP-FAF x 10 = 29 Improof x 8 = 55 S2G x 6 = 63 (22.8 page/hour)

43P-150 1024 MB RAM

Test suit A - The test was based on standard BenchMark scripts and files and was comprised of 3 x RIP-FAF and 7 x Improof. All jobs contained standard four separations and all Improof jobs were 8xA4 sizes.

Results (numbers are in minutes):

Total time = 45 RIP-FAF x 3 = 36 Improof x 7 = 45

Screen2Go Only (43P-150) with new vmTune setting

Local client (AIX):

	Job Size	**Media size**
Creotivity5	981x 654 **30 min**	1037 x 770 **34 min**
Halmart	1006 x 706 **25 min**	1037 x 770 **31 min**
Total	55 min	65 min
Plate/Hour	**8.7**	**7.4**

Remote client (Mac):

	Job Size	**Media size**
Creotivity5	981x 654 **22 min**	1037 x 770 **25 min**
Halmart	1006 x 706 **22 min**	1037 x 770 **23 min**
Total	44 min	48 min
Plate/Hour	**10.9**	**10**

The most representative number of the actual throughput using the remote client with media size and new vmtune setting is 10 plates/hour. That is, less than half of the throughput for F50 4way which is 22.8 plates/hour.

5. BRISQUE STORAGE AND ADAPTERS INFORMATION

5.1 Brisque System Disk Mirroring

The procedure for mirroring a Brisque system disk in order to prevent loss of system data is described in the *System Disk Mirroring for Brisque and Brisque Serve Technical Guide (part number 399Z3R606D)*. This document is posted on the Brisque TechPlanet site at: http://techplanet.creo.com/software_solutions/workflow_software/brisque_serve/content/docs/BrsqSystemMirroring_Tech_Guide.pdf.

5.2 IBM Redundancy Kits

For **6F1**—the redundancy kit contains a third power supply and two additional fans.
For **6E3** and **6E4**—the redundancy kit contains a second power supply.

The redundancy items include:

- 501R49888—Brisque 6F1 Full Redundant Kit (containing a mirroring system disk + power supply + fans)
- 015-00390A—full redundancy kit for Brisque 6E3 (containing a mirroring system disk + power supply)
- 015-00475A—full redundancy kit for Brisque 6E4 (containing a mirroring system disk + power supply)

5.3 Storage Options

Part number	Description
501R49566	73GB additional drive for Brisque (44P-170)
501R49567	36GB additional drive for Brisque (6F1)
501R49400	External disk tower for Brisque 73GB (SCA)
501R49401	73 GB drive for Brisque external tower (SCA)
015-00110A	External disk tower for Brisque 146 GB (SCA)
015-00111A	146GB drive for Brisque external tower (SCA)
015-00603A	KIT ADD 6E3 disk drive backplane
015-00470A	KIT ADD 6E3 73 GB Ultra3 10K RPM disk
501R49822	KIT ADD 73 GB disk FOR 6F1/6E4
015-00474A	KIT ADD 6F1/ 6E3/6E4 – 146 GB Ultra3 10K disk
015-00302A	EXP320 RAID 365GB (7 x 73 GB)
015-00303A	EXP320 RAID 730GB (7 x 146 GB)
015-00304A	EXP320 RAID 1606GB (14 x 146 GB)
015-00305A	EXP300 RAID U/G 7X73GB TO 14X73GB
015-00306A	EXP300 RAID U/G 7X146GB TO 14X146 GB
015-00467A	EXP320 RAID U/G 7X73GB TO 14X73 GB
015-00468A	EXP320 RAID U/G 7X146GB TO 14X146 GB
015-00711A	KIT ADD 146 GB disk (E30, 43P, 44P)
015-00712A	KIT ADD 146 GB disk for F50
501R58009	KIT ADD 73 GB disk for F50

5.4 Additional Adapter Options

IBM components:

Part number	Description
015-00242A	PWR GXT135P GRPH.ADAPT PCI (1-X)
015-00150A	KIT IBM 10/100 ETHERNET2 FOR V4 $ V5
501R44957	GIGABIT FIBER FOR Brisque V4.X & SERV
015-00699A	GIGABIT FIBER FOR Brisque V5.X
501R49702	GIGABIT COPPER U/G FOR Brisque V4.X
015-00697A	GIGABIT COPPER U/G FOR Brisque V5.X
501R44828	ULTRA SCSI DIFF PCI ADAPTER
015-00113A	KIT, DUAL CH. ULTRA-3 LVD (AIX 4.3.3) *
015-00702A	KIT, DUAL CH. ULTRA320 LVD (Brisque 5.X) *

* **Note:** Dual SCSI channel is actually two separate adapters in one board; one board can be used for two external SCSI devices. It is needed to connect 6E3 to external devices.

5.5 Adapters Location (Optional) for 6E3 and 6E4 Platforms

6E3 platform:

Brisque Adapter	Slot #
first TSP_U	5
second TSP_U	4
Gigabit	1
Fiber Channel	2
SCSI LVD (dual channel) or: RAID adapter	6
SCSI Differential	2

Notes:

- Use only TSP_U (not TSP)–Rotation is done with software only
- Memory–use the full kit P/N to add memory (you must 4 DIMMS)
- Use slots 1, 2, 3: PCI-X slots (3.3V) for short boards
- Use slots 4, 5, 6: PCI-X slots (3.3V) for long boards

6E4 platform:

Brisque Adapter	Slot #
first TSP_U	6
second TSP_U	5
Fiber Channel	1
SCSI LVD (dual channel) or: RAID adapter	4
SCSI Differential	1

Notes:

- Use only TSP_U (not TSP)—Rotation is done with software only
- Memory–on 6E4-4way (4 CPU) platform, you must add the 2 quads (8 DIMMs) kit
- Use slots 1, 2, 3, 4, 5, 6: PCI-X slots (3.3V) for short or long boards

6. SERVICE

Brisque support services are designed to provide a complete system implementation and support solution. Support services fall into two areas:

- **Installation Services**: The installation, training and warranty services are designed to ensure that a customer's system is configured and tested to Creo specifications, and that the customer's staff is trained and ready to use the system. Warranty support ensures that technical and operational support is available during early operations.
- **System Support:** Brisque support plans provide a comprehensive set of maintenance and support services for the hardware and software components of a Brisque system, including telephone support, on-site field support, hardware parts replacement, and software updates.

Additional information on each service area is provided in the following sections.

6.1 Installation Services

System Installation, Training, and Warranty

The cost of initial Brisque system installation, training, and warranty is included in the software and hardware list prices, only when the customer buys the output device. The provided services are listed below.

Installation:

- Pre-installation site assessment and installation planning
- System installation and configuration
- Connection to Creo certified output devices
- System verification test with standard test suite

Training:

- New customer installation includes the *Brisque WBT* (Web Based Training) in the V5.0 support kit.
- Stepping up Brisque V5.0 for migrated customers. In CAM, the upgrade is billable, with 1 day CSE on-site and an additional 1 day WebEx training for Full Service customers, free of charge.

Warranty:

3 months warranty support in America and 6 months in Europe. Unlimited support from the Creo Response Center is provided within the hours specified in the support contract (within the warranty period only).

Startup Assistance (at additional charge)

Startup Assistance is designed to provide hands-on coaching for the customer's operational staff so that they can quickly build the knowledge and confidence to run Brisque jobs.

Each week of Startup Assistance provides:

- On-the-job coaching and training for operators in the customer's workflow environment to ensure that Brisque jobs can be processed smoothly.
- Using typical files in a production environment.

- Customizing the Brisque according to the customer's workflow and environment.
- Adding connectivity to third party storage options.

For details regarding CAM Training and start-up assistance refer to the table on the following page.

Brisque Training & Start-up Assistance CAM

Last updated April 7, 2005

Product	Entitlement	Notes
Brisque Impose	SD-0015-42 is included per deal that includes a Brisque configuration and a device with a DCK.	If the customer wants onsite training, SD-0015-41 must be purchased separately for a fee of $11,000 for up to 4 seats.
Brisque Pack	SD-0015-42 is included per deal that includes a Brisque Pack configuration and a device with a DCK.	It is mandatory to purchase SD-0001-06 (2 Days Brisque Pack SUA). Preps/Pandora training is NOT included and should be purchased separately. If the customer wants onsite training, SD-0015-41 must also be purchased for a fee of $11,000 for up to 4 seats.
Brisque Access	SD-0015-42 is included per deal that includes a Brisque configuration and a device with a DCK.	If the customer wants onsite training, SD-0015-41 must be purchased separately for a fee of $11,000 for up to 4 seats.
Brisque Pro	SD-0015-42 is included per deal that includes a Brisque configuration and a device with a DCK.	If the customer wants onsite training, SD-0015-41 must be purchased separately for a fee of $11,000 for up to 4 seats.
Brisque Expose	None	
Brisque Serve	SD-0015-26 is included per deal for BRAND NEW Brisque Serve customers. This entitlement is NOT applicable for trade-ins or upgrades to Brisque	

Part Number	Name	Price USD	Location	Notes
SD-0015-41	Training, Brisque Operator Onsite, 5 Days, up to 4 Seats	$11,000.00	Onsite	Brisque Operator training is 4.5 days and Impose training is .5 d maintenance of the Brisque while concentrating on automation a - creation of Postscript from the desktop publishing application. - converting the Postscript file into Creo LW and CT. - trapping through Creo FullAutoFrames. - outputting of the file to Creo imagesetters and Iris Proofers. - integration of the Brisque into an existing Creo configuration. - day to day operations, calibration and maintenance of the Dol
SD-0015-42	Training, Brisque Operator, 5 Days, 1 Seat	$2,500.00	Classroom	Brisque Operator training is 4.5 days and Impose training is .5 d maintenance of the Brisque while concentrating on automation a - creation of Postscript from the desktop publishing application. - converting the Postscript file into Creo LW and CT. - trapping through Creo FullAutoFrames. - outputting of the file to Creo imagesetters and Iris Proofers. - integration of the Brisque into an existing Creo configuration. - day to day operations, calibration and maintenance of the Dol
SD-0015-26	Training, Brisque Serve Operator Onsite, 4 Days, 2 Seats	$7,200.00	Onsite	
SD-0015-72	Training, Stepping Up to Brisque Ver. 5.0 - Onsite, 3 Days, 2 Seats	$5,400.00	Onsite	This three day instructor-led onsite training is geared towards ac client server environment, enabling customers to leverage their new features that will help expand prepress productivity. This c customers. New customers should take the 5 day Brisque Opera
SD-0015-73	Training, Stepping Up to Brisque Ver. 5.0 - Webex Online, 3 Days, 1 Seat	$2,250.00	WebEx	This three day instructor-led online training is geared towards ac client server environment, enabling customers to leverage their new features that will help expand prepress productivity. This c customers. New customers should take the 5 day Brisque Opera
SD-0015-78	Training, WebEx Online for Preps for Brisque Impose, 2 Days, 1 Seat	$1,500.00	Classroom	This two day instructor-led online training via the Web covers hc environment.
SD-0015-77	Training, WebEx Online Overview of Brisque Ver. 5.0 New Features, 1 Day, 1	$750.00	WebEx	One day instructor-led overview via the Web of Brisque Ver. 5.0
SD-0001-06	Start-up Assistance, Brisque Pack, 2 Days	$5,000.00	Onsite	2 days of Start-up Assistance for Brisque Pack.

6.2 System Support

Services for ongoing maintenance and support of Brisque systems are designed to maximize system uptime. This is achieved via:

- Immediate (average response time of less than one hour) diagnostic phone support for Creo hardware and software.
- Preventative maintenance
- Software updates (software updates include solutions via patches and minor releases, but do not include feature enhancements).
- On-site field support (on the next business day) if Creo is unable to resolve the problem over the phone.
- For Creo supported customers, support is provided under the Full Support Plan.

7. DEVICE CONNECTIVITY KITS (DCKS)

7.1 Overview

This section lists the available Device Connectivity Kits (DCKs) for all Brisque–device configurations. To enable Brisque–device connectivity, you must also order the suitable DCK.

Refer to the Product Development System (PDS) at the following link for more information on choosing the correct device connectivity kit for your configuration. Please pay close attention to required Brisque software versions and other product requirements..

General Notes:

- Staccato 20 is included with all Quantum DCKs
- A Rotation board is not needed (and not part of the DCKs) for Brisque 6E3 or 6E4 platforms. The rotation is done by software.

Trendsetter DCKs:

- Direct: Each DCK includes BrisqueAgent software and Optiplex Print Console station, TSP board (1 or 2 for Quantum V), Rotation board for 8-up & VLF (not for 6E3/4)
- Indirect for 1 bit TIFF workflow: Optiplex Print Console station, with additional Screen2Go license is included according to the connected device
- It is strongly recommended **not** to include the TS Indirect DCK unless one of the following applies:
  - The device is further than 20 meters (787.4 inches) from DFE
  - The customer wants to send TIFFs to the Trendsetter using a 3rd party workflow
  - The customer wishes to continue with 1-bit TIFF workflow

Lotem DCKs:

- Each DCK includes: TSP board (1 or 2 for Quantum V), Rotation board for 8-up & VLF (not for 6E3/4)

Staccato license options:

- 501R49861—Staccato 10 for Brisque
- 015-00024A—Staccato 10 for Brisque (additional License per Output Device)
- 015-00025A—Staccato 10 Upgrade for Brisque
- 501R49672—Staccato 20 Series for Brisque (additional License per Output Device)
- 501R49863—Staccato 25 for Brisque
- 015-00578A—Staccato Extended Color Screens for Brisque

7.2 Device Connectivity Kits per Output Device

Lotem

Brisque DCKs for Lotem 4-page Devices

For all Brisque hardware platforms:

- 501R49551—Brisque to Lotem 400 FH/ThermoFlex Narrow Direct Device Connectivity Kit
- 501R49704—Brisque to Lotem 400 Quantum Direct DCK

Brisque DCKs for Lotem 8-page Devices

For Brisque non-Express series hardware platform:

- 501R49984—Brisque to Lotem 800 & 800 II S&F Direct DCK
- 501R49983—Brisque to Lotem 800 & 800 II V Direct DCK
- 501R49552—Brisque to Lotem 800 FH/ThermoFlex (Narrow/Mid/Mid II) Direct DCK
- 501R49719—Brisque to Lotem 800 Quantum & Lotem 800 Quantum II S&F Direct DCK
- 501R49553—Brisque to Lotem 800 Quantum & Quantum II V Direct DCK

For Brisque Express series hardware platform:

- 015-00515A—Brisque to Lotem 800 & 800 II S&F Direct DCK
- 015-00516A—Brisque to Lotem 800 & 800 II V Direct DCK
- 015-00517A—Brisque to Lotem 800 FH/ThermoFlex (Narrow/Mid/Mid II) Direct DCK
- 015-00519A—Brisque to Lotem 800 Quantum and Quantum II S&F Direct DCK
- 015-00520A—Brisque to Lotem 800 Quantum and Lotem 800 Quantum II V Direct DCK

Trendsetter MCE

Brisque DCKs for Trendsetter 4-page Devices

For all Brisque hardware platforms:

- 015-00186A—Brisque to Trendsetter 400 Quantum MCE Direct DCK via TSP
- 015-00205A—Brisque to Trendsetter 400 Quantum V MCE Direct DCK via TSP
- 02-4443A-30—Brisque to Trendsetter 400 Quantum Indirect DCK with Screen2Go

Brisque DCKs for Trendsetter 8-page Devices

For Brisque non-Express series hardware platform:

- 015-00188A—Brisque to Trendsetter 800 Quantum II S & F Direct DCK via TSP
- 015-00206A—Brisque to Trendsetter 800 Quantum II V Direct DCK via TSP
- 015-00187A—Brisque to Trendsetter 800 II S&F Direct DCK via TSP
- 015-00203A—Brisque to Trendsetter 800 II V Direct DCK via TSP
- 02-4443A-27—Brisque to Trendsetter 800/800 II/800 Quantum Indirect DCK with Screen2Go

For Brisque Express series hardware platform:

- 015-00527A—Brisque to Trendsetter 800 II S&F Direct DCK via TSP
- 015-00529A—Brisque to Trendsetter 800 II V Direct DCK via TSP
- 015-00528A—Brisque to Trendsetter 800 Quantum II S&F Direct DCK via TSP
- 015-00530A—Brisque to Trendsetter 800 Quantum II V Direct DCK via TSP

Trendsetter MPE

Brisque DCKs for Trendsetter 4-page Devices

For all Brisque hardware platforms:

- 501R49682—Brisque to Trendsetter 400 Quantum Direct DCK
- 501R49728—Brisque to Trendsetter 400 Quantum V Direct DCK
- 501R49948—Brisque to Trendsetter 400/800 Quantum V Direct DCK for Performance Dual and F50

Brisque DCKs for Trendsetter MPE 8-page Devices

For Brisque non-Express series hardware platform:

- 501R49679—Brisque to Trendsetter 800 Direct DCK
- 501R49683—Brisque to Trendsetter 800 Quantum Direct DCK
- 501R49714—Brisque to Trendsetter 800 Quantum V Direct DCK
- 501R49948—Brisque to Trendsetter 400/800 Quantum V Direct DCK for Performance Dual and F50

For Brisque Express series hardware platform:

- 015-00532A—Brisque to Trendsetter 800 Direct (MPE) DCK
- 015-00533A—Brisque to Trendsetter 800 Quantum (MPE) Direct DCK
- 015-00534A—Brisque to Trendsetter 800 Quantum V (MPE) Direct DCK

Brisque DCKs for Trendsetter MPE VLF Devices

For Brisque non-Express series hardware platform:

- 501R49680—Brisque to Trendsetter VLF Direct DCK
- 501R49684—Brisque to Trendsetter VLF Quantum Direct DCK
- 501R49715—Brisque to Trendsetter VLF Quantum V Direct DCK
- 501R49947—Brisque to Trendsetter VLF V Direct DCK
- 02-4443A-28—Brisque to Trendsetter/Magnus VLF/VLF Quantum Indirect DCK with Screen2Go
- 015-00251A—Brisque Access to Trendsetter VLF Direct DCK
- 015-00252A—Brisque Access to Trendsetter VLF Quantum Direct DCK

For Brisque Express series hardware platform:

- 015-00536A—Brisque to Trendsetter VLF Direct DCK
- 015-00537A—Brisque to Trendsetter VLF Quantum Direct DCK
- 015-00538A—Brisque to Trendsetter VLF Quantum V Direct DCK
- 015-00539A—Brisque to Trendsetter VLF V Direct DCK
- 015-00540A—Brisque Access to Trendsetter VLF Direct DCK
- 015-00541A—Brisque Access to Trendsetter VLF Quantum Direct DCK

Magnus

Brisque DCKs for Magnus 4-page Devices

For all Brisque hardware platforms:

- 501R49551—Brisque to Lotem 400 FH/ThermoFlex Narrow Direct DCK
- 501R49704—Brisque to Lotem 400 Quantum Direct DCK

Brisque DCKs for Magnus VLF

For Brisque non-Express series hardware platform:

- 015-00518A—Brisque to Magnus VLF Quantum S Direct DCK
- 015-00579A—Brisque to Magnus VLF Quantum F&V Direct DCK
- 02-4443A-28—Brisque to Trendsetter/Magnus VLF/VLF Quantum Indirect DCK with Screen2Go

For Brisque Express series hardware platform:

- 015-00535A—Brisque to Magnus VLF Quantum S Direct DCK
- 015-00580A—Brisque to Magnus VLF Quantum F&V Direct DCK
- 02-4443A-28—Brisque to Trendsetter/Magnus VLF/VLF Quantum Indirect DCK with Screen2Go

ThermoFlex (Narrow/Mid/Mid II/Wide)

Note: Supported only in Brisque 4.1; will be supported in Brisque 5.1.

Brisque DCKs for ThermoFlex

For Brisque non-Express series hardware platform:

- 501R49551—Brisque to Lotem 400 FH/ThermoFlex Narrow Direct DCK
- 501R49552—Brisque to Lotem 800 FH/ThermoFlex Direct DCK (ThermoFlex Mid/Mid II)
- 015-00187A—Brisque to Trendsetter 800 II S&F Direct DCK via TSP (ThermoFlex Wide)

For Brisque Express series hardware platform:

- 015-00517A—Brisque to Lotem 800 FH/ThermoFlex Direct DCK (ThermoFlex Mid/Mid II/Narrow)
- 015-00527A—Brisque to Trendsetter 800 II S&F Direct DCK via TSP (ThermoFlex Wide)

Trendsetter News

Brisque DCKs for Trendsetter News

For Brisque non-Express series hardware platform:

- 015-00542A—Brisque to Trendsetter News 50, 50C, 70, 100, 120 & 150 MCE Direct DCK via TSP
- 015-00543A—Brisque to Trendsetter News 70C & 100C Direct DCK via TSP
- 02-4443A-31—Brisque to Trendsetter News Indirect DCK with Screen2Go

For Brisque Express series hardware platform:

- 015-00542A—Brisque to Trendsetter News 50, 50C, 70, 100, 120 & 150 MCE Direct DCK via TSP
- 015-00543A—Brisque to Trendsetter News 70C & 100C Direct DCK via TSP
- 02-4443A-31—Brisque to Trendsetter News Indirect DCK with Screen2Go

Note: For Trendsetter News 200, only indirect connectivity is available.

Dolev

Brisque DCKs for Dolev

For all Brisque hardware platforms:

- 501R49555—Brisque to Dolev 4-Up U/G DCK
- 501R49556—Brisque to Dolev 8-Up U/G DCK

Note: The Dolev 800V3 requires a TSP 100 board.

Proofsetter

Brisque DCKs for Proofsetter MCE

For Brisque non-Express series hardware platforms:

- 015-00300A—Brisque to Proofsetter Spectrum (MCE) Direct DCK

For Brisque Express series hardware platforms:

- 015-00544A—Brisque to Proofsetter Spectrum (MCE) Direct DCK

Brisque DCKs for Proofsetter MPE

For Brisque non-Express series hardware platforms:

- 501R49681—Brisque to Proofsetter Spectrum (MPE) Direct DCK
- 02-4443A-29—Brisque to Proofsetter Spectrum (MPE) Indirect DCK with Screen2Go

For Brisque Express series hardware platforms:

- 015-00545A—Brisque to Proofsetter Spectrum (MPE) Direct DCK
- 02-4443A-29—Brisque to Proofsetter Spectrum (MPE) Indirect DCK with Screen2Go

For 3rd Party Devices

Brisque DCKs for 3rd Party Devices

For Brisque non-Express series hardware platform:

- 501R49475—Brisque to 3rd Party 4up Connectivity
- 501R49476—Brisque to 3rd Party 8up Connectivity
- 501R49477—Brisque to 3rd Party VLF Connectivity

For Brisque Express series hardware platform:

- 501R49475—Brisque to 3rd Party 4up Connectivity
- 015-00546A—Brisque to 3rd Party 8up Connectivity
- 015-00547A—Brisque to 3rd Party VLF Connectivity

Iris, Kodak & 74 Karat

For all Brisque platforms:

- 501R49610—Brisque to Iris Print Connectivity kit
- 501R44848—Brisque to Kodak Approval XP/XP4 Connectivity kit
- 015-00177A—Brisque to 74 Karat Connectivity kit
  Note: Supported only in Brisque 4.1; will be supported in Brisque 5.1.

IGS

- 015-00721A—IGS to Think HA Head DCK
  Note: Supported only with Brisque 4.1.

8. BRISQUE TRADE-UP OPTIONS

This section lists the trade-up options and configurations.

Table: Available trade-up configurations per platform

	To				
From	**6E3 –Single 010-00225A**	**6E3 –Dual 010-00226A**	**6E4 –Quad 010-00197A**	**6F1 –Dual 501S4E204C**	**44P (HH) v4.1 501S4E203B**
E30/Tiger1	015-00439A	015-00442A	015-00348A	501R49794	015-00385A
Tiger2	015-00440A	015-00443A	015-00350A	501R49771	015-00523A
44P (HH)	015-00441A	015-00445A	015-00356A	501R49804	
F50 -Dual	015-00622A	015-00444A	015-00352A	501R49798	
F50 -Quad		015-00667A	015-00354A	501R49801	
6F1 -Dual			015-00358A		
6F1 -Quad			015-00717A		

Tips for the Trade-up process:

- F50 (4 CPU) supports Trendsetter 800 Quantum II V for expose only. In a full production scenario, (RIP/FAF/Improof/Expose simultaneously), it can output 22pph. Throughput may be more dependent on the Brisque station workload and on the complexity of the customer's jobs.
- Brisque Tiger II (43P-150) platform does not support Trendsetter 800 II Quantum V. The minimum platform required to achieve maximum device performance is Brisque Performance Dual (6F1).
- 6E3 (Express Single and Dual) does not have an external SCSI connection. Therefore, if the 6E3 connects to an External disk tower or to an Iris device, a SCSI board is required (015-00702A Ultra-320 Dual Channel SCSI for Brisque v5.x). **Note:** Dual channel SCSI is actually two separate adapters in one board so one board can be used for two external SCSI devices.
- Trendsetter MPE direct connectivity requires **SCSI Differential 501R44828 ULTRA SCSI DIFF PCI ADAPTER**
  There may be a need to order a new SCSI differential—check the label on the back of the existing SCSI differential board:
  - If [4-L] appears on the label, you need to order the new SCSI differential
  - If [4-U] appears on the label, you do not need to order the new SCSI differential and the existing SCSI Differential can be transferred to the new Brisque platform.
- Brisque Express series does not require Rotation board.
- For trade-up to Express series, you should order: 015-00379A—TSP75 to TSP75_U trade-up:
  - For Quantum devices, the existing 2 TSP boards should be replaced by 2 TSP-75_U boards.
  - For devices other than Quantum devices, the existing TSP-75 board should be replaced with one TSP-75_U board.
- For Dolev 800 v3, the existing TSP-100 board should be replaced with a TSP-100 Uni (TSP_U). TSP-100_U board 015-00379A TRADE-IN TSP-100 TO TSP100 UNI

- For trade-up to an Express Single/Dual (6E3) that is connected to an external disk tower, use the cable: 015-00131A—Ultra SCSI VHDCI-68 to HD-68 cable.
- Existing internal data storage is not transferable from the old Brisque to the new one in a trade-up scenario. Additional disks may be needed (e.g., 015-00474A—146 GB UL-3 10K disk kit should be added to 6F1/6E3/6E4 platforms).
- Expansion HELIOS users *are not* transferable. If a customer buys a used Brisque, a new HELIOS license must be purchased even if the Brisque has a permanent password—these rules are defined by HELIOS.

Table: Trade-up options

Part number	Description
015-00442A	Trade-Up Brisque E30/Tiger I Hardware to Brisque Express Dual
015-00348A	Trade-up Brisque E30/Tiger I Hardware to Brisque Express Quad
015-00439A	Trade-up Brisque E30/Tiger I Hardware to Brisque Express Single
501R49794	Trade-up Brisque E30/Tiger I Hardware to Brisque Performance Dual
015-00385A	Trade-up Brisque E30/Tiger I Hardware to Brisque Performance Single (v4.1)
015-00444A	Trade-up Brisque F50 2-CPU Hardware to Brisque Express Dual
015-00352A	Trade-up Brisque F50 2-CPU Hardware to Brisque Express Quad
015-00622A	Trade-up Brisque F50 2-CPU Hardware to Brisque Express Single
501R49798	Trade-up Brisque F50 2-CPU Hardware to Brisque Performance Dual
015-00667A	Trade-up Brisque F50 4-CPU Hardware to Brisque Express Dual
015-00354A	Trade-up Brisque F50 4-CPU Hardware to Brisque Express Quad
015-00596A	Trade-up Brisque IGS Hardware to Brisque IGS Performance Single
015-00358A	Trade-up Brisque Performance Dual Hardware to Brisque Express Quad
015-00445A	Trade-up Brisque Performance Single (44P) Hardware to Brisque Express Dual
015-00356A	Trade-up Brisque Performance Single (44P) Hardware to Brisque Express Quad
015-00441A	Trade-up Brisque Performance Single (44P) Hardware to Brisque Express Single
501R49804	Trade-up Brisque Performance Single (44P) Hardware to Brisque Performance Dual
015-00443A	Trade-up Brisque Tiger II Hardware to Brisque Express Dual
015-00350A	Trade-up Brisque Tiger II Hardware to Brisque Express Quad
015-00440A	Trade-up Brisque Tiger II Hardware to Brisque Express Single
501R49771	Trade-up Brisque Tiger II Hardware to Brisque Performance Dual
015-00523A	Trade-up Brisque Tiger II Hardware to Brisque Performance Single (v4.1)
015-00717A	Trade-up Brisque 6F1 Quad to Brisque Express Quad

Trade-up Examples:

Refer to the examples on the next two pages.

General Litho Services

BRISQUE ExtreME

DFEs

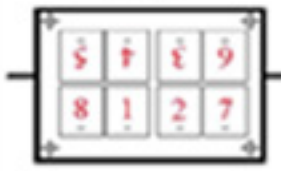
Desktop Prep Department



Mac and PC workstations

Mac Client Software
Template Builder
Queue Manager
Message Viewer
PressTouch

Input files



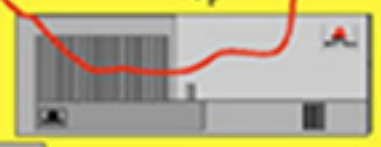
Preps imposition instruction file (.ICF)

Brisque Impose E30
1 CPU @332 mhz
Used fo rpulling files off of Whisper Station

Brisque Impose 43p



Brisque Impose 43p



Brisque Impose F 50 four CPU @332 mhz



Brisque Impose E30 1 CPU @332 mhz



RIPped pages

Single page proofs RIPped pages

Single page proofs

Imposition proofs

Imposition proofs

Proofing



Kodak XP4



Fuji Final Proof



Epson 10000



Iris 43 Wide

PlateOutput

Lotem Fiber head



Brisque Impose .job files

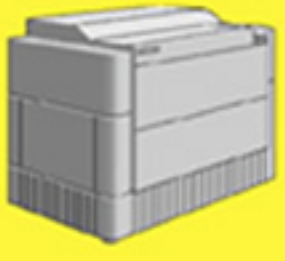
Server



Orgin 200
200 GIgs

Film Output

Dolev 800V



Brisque Impose .job files

Existing Equipment

New Equipment

John Roberts Minneapolis, MN

BRISQUE Extreme

Desktop Prep Department

Customer's Mac and PC Workstations:
(Qty) x Win2K PC
(Qty) x Mac G4/G3
(Qty) x PowerMac or Below



Input files

Preps imposition instruction file (.ICF)

Brisque Insite



2-1.2 Ghz CPU
2 GIG ram
18 GIG hard drive

Workflow System

Brisque Impose Tiger 2/375 mhz

Brisque Impose F50

Brisque Impose F50

Brisque Impose E-30

Brisque Impose Tiger 2/375 mhz

Brisque Impose F50

Brisque Impose F50

Adding 1 gig ram

Imposition proofs

Imposition proofs

Proofing



Iris 43 Wide (via TCP/IP)



Kodak XP4



Iris 43 Wide (via TCP/IP)



Kodak XP4



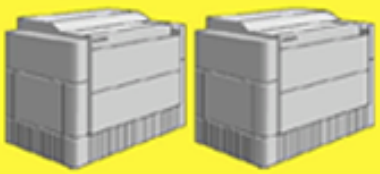
Veris Proofer

Server



SGI
Xinet Full PRess

Film Output



Dolev 800V

Dolev 800V

Brisque Impose job files

Brisque Impose job files

Brisque Impose job files

Brisque Impose job files

Plate Output



Lotem Quantum FSpeed Staccato 10



Lotem 800V

Existing Equipmnet

New Equipmnet

9. REMANUFACTURED BRISQUE WORKFLOW SOLUTIONS

Creo remanufactured Brisque solutions give the opportunity to purchase a top-of-the-line Creo workflow system for less. Whether you require an offload station, a solution for remote proofing, or backup for your existing Brisque workflow, we offer reliable and flexible remanufactured solutions.

We currently offer the following remanufactured Brisque workflow solutions:

- Creo remanufactured Brisque Impose Performance Dual
- Creo remanufactured Brisque Impose Performance Single
- Creo remanufactured Brisque Access (43P)
- Creo remanufactured Brisque2 Impose
- Creo remanufactured Brisque4 Impose

Further information on Creo remanufactured Brisque workflow can be found on Creonet (http://creonet.creo.com).

10. BRISQUE 5.0 LIMITATIONS

The Brisque 5.0 software limitations are described in the *Brisque 5.0 Known Bugs and Limitations* document that can be found on TechPlanet at: http://techplanet.creo.com/software_solutions/workflow_software/brisque/content/docs/Brisque5/Brisque_FP5_bugs_limit.pdf

11. GLOSSARY OF TERMS

Brisque Client: The client software in a Brisque system. It is a user interface to the system, enabling Brisque operators to create, edit, and delete jobs and job ticket templates. It is a network client that runs on an AIX, Macintosh or Windows.

Black Box: Black Box mode is a new mode in Brisque v5.0 where the login (cdesci) stops just before the Brisque AIX Clients is up. In this mode, all Mac/Windows Clients are able to log in to the Brisque. Terminal, Smit, Scismit and Device Handling are available only on the Brisque AIX station. Using the Brisque in this mode enables one additional Mac/Windows client to log into the Brisque. Therefore, it is the recommended working method in Brisque v5.0.

Companion software: Stand-alone software applications that can be used in conjunction with Brisque—for example, Preps.

Device Connectivity Kit (DCK): A hardware kit that enables connectivity between a Brisque station and a Creo output devices. The DCK is ordered separately.

Hot folders: A tool to automate the workflow in Brisque. Hot folders are set up when after a template is created, or at a later time. The hot folder is activated and linked to a Job Ticket Template. Once files are placed in the hot folder, they are processed as defined in the template, and the job's progress can be monitored through the Job Queue window.

Job (Brisque): The unit used to organize work. A job typically, but not necessarily, corresponds to all the components of one publication. When you process files in Brisque, a .job folder is created automatically.

Job ticket template: A collection of operations related to one or more processing steps that must be carried out in Brisque. It includes a pipeline that specifies which operations to go to and in what order. It can also include information about processing options, destinations, and file translations.

Operation Atom: A software module that performs a specific processing step to help process a job ticket template. You can configure atoms using Brisque template builder.

Optional software: Software components that are not included in the standard Brisque software but are available at an additional cost.

PDF: Stands for Portable Document Format. PDF is a reliable file format for storing line art, images, and text (including all required fonts) for pages. PDF files do not contain device-specific settings such as imaging resolution or duplex options.

Standard software: Software components that are standard with Brisque and are included in the price of the core software and are automatically shipped with each Brisque system—for example, RIP and Full Auto Frames.

Template Builder: The tool used to create, modify, and manage Job Ticket Templates. The template builder can be accessed from the Brisque UI and from Brisque AIX, or Windows.

Tertiary servers: A server used to store Brisque jobs but not running any Brisque software. This server is not part of the Brisque system and is used for job storage only. Tertiary servers can be NT servers or qualified Unix servers.

TSP: Turbo Screening Processor board that enables connection between the Brisque and an output device. The TSP board resides in the Brisque, and performs screening before rendering for the output device. TSP boards can be installed in the following platforms: 43P-150, 44P-170, F50 and 6F1.

TSP_U: Turbo Screening Processor board that enables connection between the Brisque and an output device. The TSP_U board resides in the Brisque and performs screening before rendering for the output device. The TSP_U was designed to support the new Brisque platforms: 6E4 and 6E4. TSP_U board can be installed in the following platforms: 43P-150, 44P-170, F50, 6F1, 6E3 and 6E4.