# BRISQUE PRO SPECIFICATIONS V5.0

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| **Product Version** | 5.0 |
| **Product Description** | The Brisque® Pro workflow is built on a true client-server architecture that provides the best integration in a prepress environment. It provides comprehensive control over every phase of the prepress process, reducing errors, increasing efficiency at every step. The Brisque workflow combines the security and reliability of the CT/LW workflow with advanced PDF/PS RIPing, Full Auto Frame raster trapping or optional PDF vector trapping and color simulation capabilities and connects to a large variety of proofing, CTP and CTF devices. The client-server architecture allows versatility such as initiating tasks from any Macintosh or PC workstation and previewing jobs on the Brisque client desktop.<br>Brisque has tight integration to Networked Graphic Production. Synapse Prepare, Synapse InSite, Synapse Director and Synapse Link products complete the NGP concept, from creative desktop to delivery. It expands the prepress workflow into a new era. Users can have more control on file input, job tracking, customer collaboration and finally costs reporting to the MIS system.<br>Additional input and output compatibilities are easily added through Brisque Extenders and Enhancers. |

**Features and Benefits**

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| Client-server | Brisque 5 client provides full Brisque functionalities from a MAC or a PC including previewing files. It runs on Macintosh OS X, PC Windows NT, 2000, XP and Brisque workstation. |
| Centralized Resource Center | Allows multiple users to share all the production resources such as marks, fonts, ICC profiles and spot color libraries on the same Brisque. |
| PDF & PostScript Preflight | Build-in PDF & PostScript preflight and correction of PDF files capabilities. |
| PDF & PostScript Preview | Operators can preview files in PostScript or PDF form prior to imaging to avoid errors and wasted media. It assures quality, helps troubleshooting, and permits changes before RIPing. |
| RIP Once Workflow | Assures data integrity and predictability, uses the same data for all output devices. |
| PostScript 3 Support | Brisque has integrated Adobe PostScript 3 Normalize and RIP technology. It allows automatic PostScript and PDF RIPing into NCT/NLW file formats. |
| PDF RIPing | Easy to use without extensive training or expertise. Page-independent RIPing avoids re-RIPing entire documents for remake or corrections. Automated PDF RIPing that is capable to processing PDF 1.5 files and transparency. |
| Image Replacement (APR/OPI) | Automatically replaces working low-resolution images with high-resolution images in final layout. Creo APR for CT, EPS and TIFF file formats, plus support for OPI with no need for an OPI server. |
| Trapping | Automatic trapping through the FAF (Full Auto Frame) module. Interactive trapping can be added using the PressTouch software. FDL (FAF Decision List) enables easy editing of trap settings. |

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| Post-RIP Display and Editing | Previews Brisque Jobs, Imposition Jobs and Packaging Jobs using the Mac, PC or Brisque clients.<br>Enables corrections of Brisque pages using PressTouch or PhotoShop software, reduces material waste and eliminates the need for additional processing after color-correction. |
| Merge | Combines a pre-separated Brisque Job to a composite Job, enables trapping of pre-separated files. |
| Proofing | Drives Creo Iris iPROOF, Iris2PRINT, Iris4PRINT, Creo Veris contract proofers; Creo Integris, Iris43WIDE, various HP printers such as 5000 and 5500, Epson 7600, 9600 10000 and 10600 digital blueline proofers for imposition; Kodak XP and Creo Spectrum digital halftone proofers. |
| Color Management | Delivers color accuracy by leveraging the Brisque color management technology to handle spot colors, spot colors conversion to process colors, ICC profile and spot database support for proofing, and the ability to apply ICC profiles on post-RIPed files using Color2Disk. |
| Color Combiner | Creo Color Combiner technology simulates spot colors on Trendsetter Spectrum and Lotem Spectrum using CMYK donors. It uses process colors and Staccato screening to simulate AM spot color dots including traps, knockouts and overprints in a proof, without using any more donor material than for a regular four-color job. |
| Turbo Screening/ Staccato Screening | Delivers smoother vignettes and dot shapes, and increases screen ruling at any RIP resolution. Staccato screening provides high quality screen output. |
| Expose | Utilizes different device control kit and depends on the platform selected, to output to all 4-up, 8-up and VLF Creo CTP devices. |
| Arrange | Powerful tool for creating automated or interactive step-and-repeat form, converting Brisque Imposition Job to a read-spread arrangement, and maximize material usage by arranging scattered files in one layout. |
| 1-bit TIFF Support | Integrates third party workflows without re-RIPing. |
| Imposition | Supports full PostScript flat imposition. Just-in-time imposition can be added as an option. |
| Print | Automates printing Brisque files to any networked PostScript printer. |
| Archive and Compress | Automatically packs and highly compresses all files in a Brisque Job, Page, folder or stored folder into one tar format file, which can be easily handled for remote transmission or long-term storage. |
| Asian Languages Support | Supports Chinese, Japanese and Korean CID fonts. |
| **Input File Type** | PDF, PostScript, EPS, TIFF, TIFF/IT-P1*, 1-bit TIFF, DCS1, DCS2, ICF*, PDF/X-1a, PDF/X-3, LW and CT.<br>* Via Brisque Extenders and Enhancers |
| **Output File Type** | CT/LW (Brisque Job), JDF, PDF, PDF/X*, PDF/X-1a*, PDF/X-3*, Postscript*, EPS, TIFF/IT-P1*, TIFF, 1-bit TIFF* (CCITT G4/LZW/Packbits), Brisque Imposition Job*, CIP4-JDF*, CIP4-PPF*<br>*Via Brisque Extenders and Enhancers |

**Prerequisites (for upgrades)**

Please refer to the Brisque Solutions Guide for supported devices.

Brisque Minimum Requirement

System Disk: 9 GB

RAM

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| 43P-150 (Tiger II): | 512 MB |
| 44P, F50 2 CPU & 4 CPU, 6F1 Dual: | 1 GB |
| 6F1 Quad: | 1.5 GB |
| 6F1 Sixt: | 2 GB |

Client Minimum Requirements

| | Mac | PC |
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| Computer | G4 | Pentium 3 |
| | 350 MHz | 450 MHz |
| Memory | 256 MB | 256 MB |
| Recommend | 512 MB | 512 MB |
| OS | OS X 10.2.5 | Windows 2000, XP, NT |
| Java | 1.4.1 | |

**Available Configurations**

Brisque Pro Performance Single

RS6000 (Model 44P-170)

- 64-bit Uniprocessor
- 400 MHz POWER3-II Processor
- 1 GB RAM
- 18 GB system/software disk
- 36 GB user disk
- CD-ROM drive
- (5) Open PCI slots
- (2) Open bay for additional disk
- 10/100baseT auto sense Ethernet I/F
- 1 Ultra SCSI and 1 Ultra2 SCSI port
- 15" LCD Display

Brisque Pro Express Single

pSeries 630 (Model 6E3)

- 1 x 1.2 GHz Power4+ CPU
- 1 GB RAM
- 36 GB system disk/software disk
- 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

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| Brisque Pro Express Dual | pSeries 630 (Model 6E3)<br>- Symmetric Multiprocessing (SMP)<br>- 2 x 1.2 GHz Power4+ Processor<br>- 2 GB RAM<br>- 36 GB system/software disk<br>- 146 GB (2 x 73 GB) user disk<br>- 5 free slots<br>- 1 free disk bay<br>- IDE DVD-ROM<br>- Floppy drive<br>- 1 External SCSI port (on board)<br>- 2 Ethernet (on board): 100BaseT &Gigabit<br>- 15" LCD Display |
| Brisque Pro Express Quad | pSeries 630 (Model 6E4)<br>- Symmetric Multiprocessing (SMP)<br>- 4 x 1.45 GHz Power4+ processor<br>- 4 GB RAM<br>- 36 GB system/software disk<br>- 146 GB (2 x 73 GB) user disk<br>- 4 free slots<br>- 1 free disk bay<br>- IDE DVD-ROM<br>- Floppy drive<br>- 1 External SCSI port (on board)<br>- 2 Ethernet 100BaseT (on board)<br>- 1 Gigabit board<br>- 15" LCD Display |

**Components**

- Standard Hardware: Please refer to the above configurations.
- Standard Software:
  - Creo/Adobe™ Normalizer, CPSI PostScript™ & Extreme PDF RIP on Brisque
  - Brisque SmartEdge license
  - Brisque FAF license
  - Brisque Proof and Improof Software License
  - HELIOS License for 6 simultaneous clients
  - Creo PressTouch software non-trapping version
  - Creo XTensions and Plug-ins

- Documentation Included:
  - What's New & Where's That Option (multi-language)
  - Brisque Release Notes (multi-language)
  - Brisque Version 5.0 Software Migration & Installation Guides (multi-language)
  - On-line help
  - Application Notes
- Training Included:
  - WBT
  - Brisque Operator Training is included if purchase with a device control kit.
- Consumables Included: Optional

**Options:**

- Optional Hardware:

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| Memory | Additional 512 MB RAM (Performance Single only)<br>Additional 1 GB RAM (Performance Single, Express Single & Dual only)<br>Additional 2 GB RAM (Express series only)<br>Additional 4 GB RAM (Express series only)<br>Additional 8 GB RAM (Express Quad only) |
| Disk Storage | External Disk Tower for Brisque - 73GB & 146GB<br>Additional 36 GB hard disk (Performance Single only)<br>Additional 73 GB hard disk (Performance Single only)<br>Additional 146 GB hard disk (Express series only) |
| RAID | EXP RAID 365 GB (7 x 73 GB)<br>EXP RAID 730 GB (7 x 146 GB)<br>EXP RAID 1606 GB (14 x 146 GB)<br>DataDirect EF2400 Fiber Channel RAID 438 GB Single<br>DataDirect EF2400 Fiber Channel RAID 876 GB (8 x 146 GB) Single<br>DataDirect EF2400 Fiber Channel RAID 1898 GB (16 x 146 GB) Single<br>DataDirect EF2400 Fiber Channel RAID 1898 GB (16 x 146 GB) Dual |

- Optional Software:

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| Brisque Single Client (015-00280A) | An additional Brisque client (in addition to the existing number of clients) for either PC or Mac. |
| Brisque 5-Client Pack (015-00281A) | Additional 5 Brisque clients (in addition to the existing number of clients) for either PC or Mac. |
| Advanced Color Management (015-00279A) | ICC profile support in PDF PreFlight and RIP to allow the use of color profiles. |
| PDF Trapping Software (015-00345A) | Enables automatic trapping of PDF files using Creo's vector trapping technology. |
| Advanced PDF Trapping Software (015-00346A) | Enables automatic trapping of PDF files using Creo's vector trapping technology. The advanced trapping software includes trap corner geometry settings and "Keepaway" traps for packaging related work. |

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| ExportPS (501R44685) | Convert post-RIP files including Brisque Imposition Job to PostScript file format, for cross-platform file export. |
| PDF2Go (501R44984) | Convert post-RIP files to PDF (includes PDF/X) format, for cross-platform file export. |
| TIFF/IT P1 (501R44633) | Convert post-RIP files to TIFF/IT P1 file format, for cross-platform file export. |
| Brisque Imposition Software (501R44792) | With the use of Creo Preps™ imposition package, it enables a completely element-independent, editable imposition workflow. |
| InkPRO™ Single License (501R44637) | Automatic machine ink-key setup for superior print quality. It pre-calculates ink consumption and creates CIP4-PPF data for popular cutting machines. It enables low cost proofing directly to HP proofing devices including 650, 750, 1050, 2000, 3000, 5000, 5500 and Iris43WIDE. This includes license for one Brisque station. |
| InkPRO Site License (501R49182) | Automatic machine ink-key setup for superior print quality. It pre-calculates ink consumption and creates CIP4-PPF data for popular cutting machines. It enables low cost proofing directly to HP proofing devices including 650, 750, 1050, 2000, 3000, 5000, 5500 and Iris43WIDE. This is a site license. |
| Web Growth Compensation (501R49547) | Web Growth Compensation allows for linear distortion of individual plate separations to account for paper stretch in web press operations. |
| Screen2Go 4-up U/G (501R49615) | Generates 1 bit TIFF files up to 4-up file size. This upgrade is applicable only when a device control kit is purchased. |
| Screen2Go 8-up U/G (501R49616) | Generates 1 bit TIFF files up to 8-up file size. This upgrade is applicable only when a device control kit is purchased. |
| Screen2Go VLF U/G (501R49617) | Generates 1 bit TIFF files up to VLF file size. This upgrade is applicable only when a device control kit is purchased. |
| Brisque to 3rd Party 4-up Connectivity (501R49475) | Generates 1 bit TIFF files up to 4-up file size for third-party connectivity. |
| Brisque to 3rd Party 8-up Connectivity (501R49476) | Generates 1 bit TIFF files up to 8-up file size for third-party connectivity. |
| Brisque to 3rd Party VLF Connectivity (501R49477) | Generates 1 bit TIFF files up to VLF file size for third-party connectivity. |
| Staccato 10 Series (501R49861) | Photographic quality screening includes Staccato 10, 20, 25, 35, 36, 40 and 70 spot sizes. |
| Staccato 20 Series (501R49407) | Photographic quality screening includes Staccato 20, 25, 35, 36, 40 and 70 spot sizes. |
| Staccato 25 Series (501R49863) | Photographic quality screening includes Staccato 25, 35, 36, 40 and 70 spot sizes. |

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| Staccato Extended (015-00578A) | Staccato Extended Color Screens is an add-on option for the Staccato 10/20/25 series. It includes a subset of the Staccato 10/20/25 screens, and each screen includes 10 unique patterns to support extended process color printing. Following are the screens included with Staccato Extended Color Screens: • Staccato 10 Series includes: 10, 18, 20, 25, 36 • Staccato 20 Series includes: 20, 25, 36 • Staccato 25 Series includes: 25, 36. |
| Brisque Backup Solution (015-00298A) | Brisque Backup Solution, connects to the latest AIT technology from Qualstar, is a crash recovery solution for production data. It requires Performance or Express series hardware platforms. |
| PressTouch with framing (501R49877) | A Macintosh-based tool for opening, editing and trapping Brisque and PS/M Pages and LWs. It supports FDL (FAF Decision List) and FAF zones protection. |
| 5 Morisawa Japanese Fonts Support (501R49673) | Japanese fonts support for Brisque. It includes 5 Morisawa Japanese typefaces. |
| 23 Morisawa Japanese Fonts Support (501R49943) | Japanese fonts support for Brisque. It includes 23 Morisawa Japanese typefaces. |
| Preps v4.2 Plus (501R49749) | Creo imposition software that can impose any combination of PostScript®, PDF, EPS, DCS, TIFF, and Delta™ List source files into signatures, eliminating the need for manual stripping. |
| Preps v4.2 Pro (501R49750) | In addition to the Preps Plus software, it supports web growth compensation, CIP3 cutting data export, multiple sections, OPI, DCS merging, and support for on-demand printing. |
| • Optional Training: | "Stepping Up to Brisque v5" 3-day on-site training for customers who upgrade to v5 to ensure successful implementation. |
| **General Functions** | Brisque Pro converts PDF, PostScript, and Preps imposition files into secure CT/LW file formats that can be proofed or output to any Creo devices. |
| **Specific Functions** | Multiple clients empower the prepress operators' collaboration. It provides comprehensive control over every phase of the prepress process with a real time overview of the entire pre-production environment<br>New file browser eliminates the need to go back to the Brisque or desktop (PC or MAC) by putting everything at your fingertips. It automates processes in one easy step.<br>A centralized resource center maximizes resource sharing by placing everything in an easy-to-find location. Central location for all management tools: Marks, Marks Sets, Fonts, ICC profiles and Spot Color Libraries.<br>Hot Folders enables fast and easy to use automation. Each hot folder acts like an AppleTalk printer, queuing files for automatic RIPing and imaging. |

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| **Specific Functions (Con't.)** | The Job Ticket Editor application automates the prepress workflow using flexible job tickets and the inherent "smart logic" simplifies template creation process. Grouped and distributed job tickets provides better control and spread work across several workflow systems.<br>An intuitive, icon driven, graphic user interface offers full control over many processes, including preflight, RIPing, and image replacement (APR/OPI). Automating tasks with preset parameters assures predictability and reduces the opportunity for errors. Normalize operation generates vector PDF files from PostScript.<br>RIP converts input PDF or PostScript files into the world's most trustable CT/LW file formats that will be trapped and output. PostScript 3 RIP converts spot colors, vignettes, and transparency objects into CT/LW file formats.<br>Full Auto Frames enables automatic trapping on the Brisque. Frame Decision List further enhances the capabilities of the trapping application.<br>Merge operation merges pre-separated Jobs into composite Jobs and it amends missing CMYK separations in a Job.<br>Scattered drop in a predefined template or hot folder arranges scattered files to maximize media usage.<br>Brisque Pro supports output to all Creo CTP devices including Magnus VLF, Lotem, Lotem Quantum, Trendsetter, Trendsetter Quantum CTP devices, and all Creo proofing devices.Queue Manager allows users full control over job priorities and viewing status of all the submitted jobs.<br>Monitor Palette allows monitoring of workloads and device status at all times and is accessible at every stage of the production process.<br>Message Viewer logs and shows status of all kinds of messages occur in the system. Easy to use filter function can easily search all the related messages for specific requirements.<br>Instant, on-screen message notifications appearing on the workstation provide information pertaining to the job tickets sent from that station.<br>Online help provides easy access to help information and increases operators' knowledge for optimal use of the system. |
| **Performance** | Brisque Pro connects to all Creo proofing and CTP devices.<br>Connectivity and performance depends on the hardware platform that is chosen and the number of processes that are running simultaneously.<br>Please consult Creo representatives for more details. |