WHITE PAPER

CreoScitex

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Brisque™ Serve

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Introduction

CreoScitex Brisque™ Serve is a new member in the Brisque™ family.

It expands the CreoScitex Brisque™ workflow into a fully automated job and file management system, including backup, archive, production data management and file processing.

Brisque™ Serve software uses the same infrastructure, user interface and Job Ticket as the acclaimed Brisque™ and enhances the Brisque™ workflow with the advantages of CreoScitex Server functionality.

The PrePress modules from Brisque™ version 4 plus integrated, full Timna™ Production Data Management capability make Brisque™ Serve an integral part of the CreoScitex workflow. This enables a flawless Brisque™ Serve connectivity.

Brisque™ Serve will free up valuable processing time on the Brisque™ workstation, while adding intelligent data security and production data management and archiving, thus increasing overall throughput of the Brisque™ system.

Benefits

CreoScitex Brisque™ Serve includes several distinct functions and the software offers the following advantages:

Input and output file handling and processing: Postscript, PDF, CT/LW, Brisque™ Jobs and Pages, Imposition jobs, and Color management.

Unified and flexible workflow among CreoScitex stations through one Job Ticket and Mac Front End for both Brisque™ and Brisque™ Serve. The workflow is fully automatic, from initiation through output up to archiving.

Robust and powerful file Server with backup, print spooler and OPI Server. Specially adapted peripherals enable centralized storage, accessed at unmatched speed.

Provides database driven archive and retrieve capabilities, as well as job and file management with Timna™, the Production Data Management module for job initiation and tracking across the prepress workflow. Timna™ includes also an Internet access module, Timn@Web™.

Connects to CreoScitex integrated storage, such as high performance Fiber Channel RAID, SAN and Tape libraries.

Up to 6 CPU SMP platforms. This creates a powerful enhancement to the central heart of the Brisque™ workflow.

CreoScitex Brisque™ Serve is also available as an upgrade for existing Server 5000 and Server 3000 customers. Restrictions on memory and disk space may apply.

Product Offering

1) Brisque™ Serve single CPU (Soft and Hardware):

Backup, Archive, APR/OPI, Data Management and high performance storage for Brisque™ workflow

All the basic functionality of a Brisque™ V4; plus storage, backup, archive and production data management. Includes Transfer Pro, Legato, Helios OPI and **Timna™ Production data management.**

Includes the following Brisque™ job tickets:

Translate, Merge, Impocheck, Store, Send, Normalizer, Color2Disk, Store, Send, Compress, Send to Subfolder, ICF

Expansion options:

Export PS, TIFF/IT-P1, PDF2Go, Ink Pro

2) Brisque™ Serve SMP (Hardware and Software) (2, 4 and 6 CPU)

Backup, Archive, APR/OPI, Data Management and high performance storage for Brisque™ workflow

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Expansion options:

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Brisque™ Serve Productivity and Versatility

Brisque™ Serve will enjoy the unmatched productivity and versatility of the popular Brisque™ DFE. Among the Brisque™ functions included are:

Translate (TIFF/IT, ICF Translate…)

All DTP and PrePress file formats as well as CreoScitex jobs and pages, TIFF/IT-P1 format.

Export PS

Converts CreoScitex formats into rasterized PS for export to non-CreoScitex devices.

Normalizer

Converts PostScript data to PDF format.

ImpoCheck

Runs test on imposition jobs to verify page and mark availability and locate/replace missing pages.

Store

Enables automatic storage of "work in progress" or "finished data" as part of the job ticket, with an option to quickly fetch and process.

Send

Enables seamless multi-Brisque™ and Server workflow, locally or distributed, increasing process flexibility.

Preflight (PS & PDF)

Includes an automatic PDF preflight and correction tool and an interactive Acrobat Plug-In for preflight and profile creation (including rule-based automatic correction).

Color2Disk

Enables color matching of post-RIP data to any remote proofer using ICC profiles.

PDF2Go

Files are editable, post-RIP files wrapped in a PDF format for export from the Brisque™ environment to remote devices.

Combine

Automatically super-combines post-RIP LW and CT data using a unique anti-aliasing algorithm, to facilitate the flow to any third-party proofer.

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Merge

Combines pre-separated (e.g. copy dot) files after the RIP, to make a regular, composite Brisque™ page.

Compress

Enables automatic JPEG-based compression.

Send to Subfolder

Increases production flexibility.

Brisque™ Serve software enhances the Brisque™ workflow with CreoScitex Server functionality, including automation and management tools:

Backup

Enables automatic, scheduled and unattended backup of all online data to near line tape storage via Legato

OPI

Industry standard Helios Ethershare and OPI module

Device support

All CreoScitex qualified peripherals; Raids, Tape libraries, SAN devices and others to come are supported with this software. CreoScitex qualified storage devices are intimately integrated in the Brisque™ workflow and bring the best of storage (Raid's and Tape's) to the best platforms (Brisque™ on AIX).

Archive

With Timna™ Production data management

Timna™ and Timn@Web™ Production Data Management

The Timna™ production data management solution, running on CreoScitex Servers, provides a comprehensive solution for efficient management of a prepress production environment. Using a powerful database to organize jobs on the Brisque™ Serve, the Timna™ solution frees equipment operators to concentrate on their areas of expertise rather than on the management of huge amounts of data. Saving about a third of each operator's time, the Timna™ solution contributes directly to the enterprise's bottom line. The flexible system can be seamlessly incorporated into any production site.

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The Value of Production Data Management

Some data management systems simplify or automate manual procedures. Other systems, like the Timna™, completely revolutionize work environments by increasing efficiency levels and reducing tedious manual processes. Automatic data organization, including search, retrieval and archiving operations, save time for every operator, increasing the site's overall profitability dramatically. No system librarian is needed, since all changes in planning, scheduling or file locations are tracked automatically by the system. These changes are transparent to the user.

A Dedicated Prepress Solution

The Timna™ solution was designed specifically for the needs of prepress and printing production environments. The Brisque™ Serve, network and peripherals are optimized for graphic arts file types and workflows. Catering to these special needs, the system provides and handles: Very fast access to jobs and data Organization of work into jobs and elements

Multiple yet defined workflows

Frequent changes of data in the system

Central control over storage management

Long-term archiving of finished jobs

Frequent pick-ups from previous jobs

Archiving of digital plates for quick retrieval and plate remakes

Automatic Location Tracking

The unique and effective automatic, real-time tracking mechanism of the Timna™ solution detects all file activities on the Brisque™ Serve as they happen. Absolutely no operator intervention is required, as the system's software converts these file events to database transactions, which include all the necessary details about the files and folders. The actual location of each file is recorded automatically in the database, making recovery from common operator errors immediate and simple.

Detailed Database Information

The high-capacity relational database system of the Timna™ solution stores several types of information about jobs, job elements and files. Operators, planners and supervisors for efficient searches and organization can use this information. It includes: Physical structure: folder hierarchies Logical structure: folders are related to jobs, and jobs to clients or accounts Physical properties such as size, resolution and thumbnail images Meta-data such as production status or deadlines

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Media Control in Archiving and Retrieval

The Timna™ solution provides fast archiving to near-line and off-line media, such as AIT-2 libraries. The system not only manages the archived data, but also controls the media itself, maintaining full account of the location and content of every tape in the library. Searches can specify the type of media requested for retrieval of jobs and job elements. The operator doesn't have to know if and when archiving was performed - the system will find jobs automatically. Archiving, as well as retrieval of work needed for the next day's assignments, can be scheduled for "off-hours", or times with low system load. Archived tapes can be duplicated and stored away for greater media security. Automatic status reports are issued regularly, at predetermined intervals.

Timn@Web™

Provides search functionality and modification of attributes

Timn@Web™ is an optional Web-based software module that enables working with files and other objects stored in the Timna™ database. Users can place items on the Brisque™ Serve along with descriptive information. They can search for items already on the Brisque™ Serve, view them and their attributes, modify the attributes, and even retrieve items to local workstations. This can be done via the Internet on any computer, using any major browser. The Timn@Web™ module provides an interface between the Internet and the Timna™ production data management solution.

Seamless integration with collaborative Internet products

Timn@Web™ allows integration of other CreoScitex Internet products as Insite, with remote soft proof and collaboration software and file transfer tool. (Later this year)

Flexible security levels enable varied user access

Security is provided at many levels, regarding access to both the Internet and the Timna™ database. The Timn@Web™ administrator can set security levels, which enable control over the type of information available and the accessibility granted to each user. The ability to set flexible security levels also enables internal users to access the data from any computer with Internet connectivity.

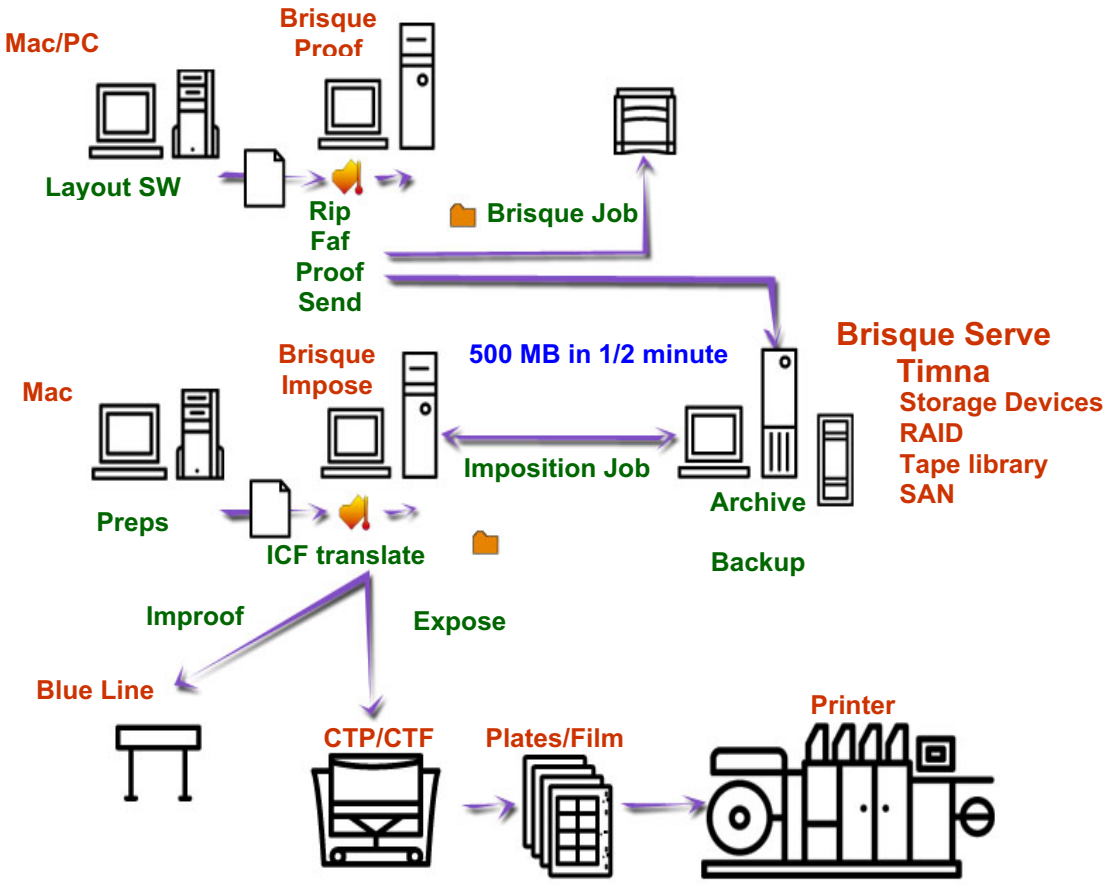
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Workflow Influence - Typical Example

Workflow is substantially improved when the Brisque Serve is utilized. An example for such an improved workflow is: A Brisque Proof has to RIP, Trap, Proof and Send the RIPed job to the CreoScitex Brisque Serve to store on on-line media until the end of the approval cycle. Once the job is approved, the Brisque Impose, which already prepared the imposition job on its local disk, fetches the CT/LW to its local disk, prints the imposition proof and exposes the job to the platesetter (or imagesetter).

The results of this optimization is the ability to move data in a fast and efficient way between front ends and the Brisque Serve, relieving the front ends from handling mass data, thus maximizing their performance and productivity. This can lead to a performance improvement of up to 200% (Number of pages with centralized BrisqueServe storage, compared to distributed storage).

The following diagram can portray a workflow relevant for the Brisque Serve (a similar workflow was actually simulated):



Configurations

Brisque™ Serve Single (1CPU)

CreoScitex Brisque™ Serve
IBM RS6000 (Model 44P-170, Hammerhead)
256 MB RAM
18Gb system /software storage
17" Multiscan Monitor
Gigabit
Brisque™ Serve version 4
Legato NetWorker
Helios License for 10 simultaneous clients
Timna™ production data management
CreoScitex qualified storage support
CS# 501R49624

Options

Export PS, TIFF/IT-P1, PDF2Go, Ink Pro

Brisque™ Serve Dual (2 CPU)

IBM P-Series (Model P6F1), 2 CPU
512MB RAM
18Gb system /software storage
17" Multiscan Monitor
Gigabit
Brisque™ Serve software
Legato NetWorker
Helios License for 20 simultaneous clients
Timna™ production data management
CreoScitex qualified storage support
CS# 501R49625

Options

Export PS, TIFF/IT-P1, PDF2Go, Ink Pro

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Brisque™ Serve Quad (4 CPU)

IBM P-Series (Model P6F1), 4 CPU
1 GB RAM
18Gb system /software storage
17" Multiscan Monitor
Gigabit
Brisque™ Serve software
Legato NetWorker
Helios License for 20 simultaneous clients
Timna™ production data management
CreoScitex qualified storage support
CS# 501R49626

Options

Export PS, TIFF/IT-P1, PDF2Go, Ink Pro

Brisque™ Serve Sext (6 CPU)

IBM P-Series (Model P6F1), 6 CPU
1.5 GB RAM
18Gb system /software storage
17" Multiscan Monitor
Gigabit
Brisque™ Serve software
Legato NetWorker
Helios License for 20 simultaneous clients
Timna™ production data management
CreoScitex qualified storage support
CS# 501R49627

Options

Export PS, TIFF/IT-P1, PDF2Go, Ink Pro

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