DISCOVERY ENTERPRISE

Automatic End to End Piece-Level Tracking and Reporting for Mission Critical & Direct Mail.

Product Overview

Whether you're running a service bureau, direct marketing firm or a in-house print operation, printing and fulfilling statements, invoices, cheques, Direct Mail and election services documents, require verification systems to identify errors and prove production integrity with absolute results. Document processors are concerned with more than customer retention as privacy and integrity errors can have serious liability implications.

Today many documents now comprise of multiple sheets, printed and finished on multiple devices. Keeping track of each and every sheet, and its integrity, on printers, collators, cutters and inserters of varying capabilities, age and models becomes a mammoth task.

Discovery Enterprise, from Lake Image Systems, provides a comprehensive process integrity control and management, document quality control and reporting solution. The Discovery Enterprise server is connected to a network of Discovery MultiScan systems (camera and scanner based clients) which read, grade, log and track each and every sheet. It is capable of tracking every stage of a document life cycle from digital composition through all stages of physical processing until delivery to the postal authority. It provides a tracking and reporting engine for Discovery Multiscan's quality inspection and integrity tools and maintains control of reported defects throughout the complete production process. For example, if a print quality defect is detected on a sheet on a continuous printing system, the mail -piece associated with this page will be diverted on the finishing equipment.

Additionally, as information is processed on the server rather than the individual local client, job batches can be split among multiple processing lines.
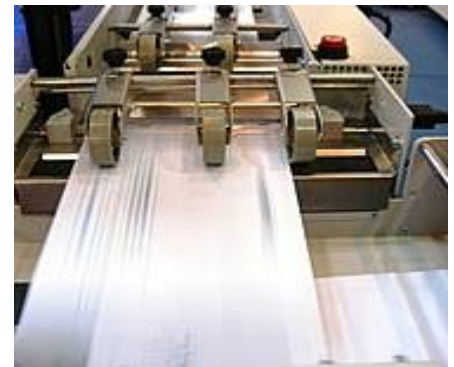
Real Time, Multi-Page Processing

Unlike similar systems, Discovery Enterprise responds and reports in Real Time. Once a document or document set is identified, the complete system will respond and report on the status generally within 10 milliseconds. These unprecedented response times are due to newer Multi-Core processors, fast Gigabit network speeds and multithread programming technologies. By harnessing the latest digital technologies, Lake Image has created a MIS system which can physically deal with quality and integrity problems as they occur rather than reporting them at a later time for manual intervention.

Non Sequential Piece Processing

Previous systems required documents to be processed in a sequential manner. This was necessary due to limited processing power and slow network response times. Discovery Enterprise is capable of processing 1,000,000+ piece batches in complete non-sequential order. Due to significantly higher processing speeds and unparalleled network bandwidth, Discovery Enterprise can even maintain quality and integrity of a job without requiring the customer to even supply an initial database. Process your documents in the way which best suits your business not the way that best suits your MIS!
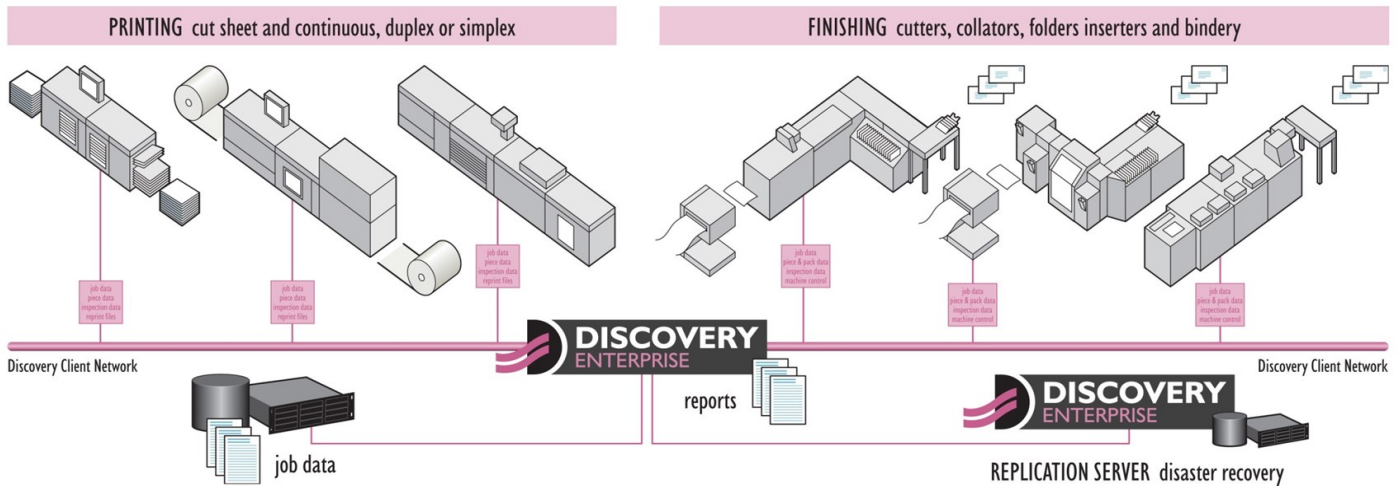

Web Based Reporting

Production control is a demanding job which involves multiple personnel with diverse responsibilities. Production staff are expected to monitor and control the production status remotely and outside normal working hours. Discovery Enterprise provides a web based user interface enabling full control and status of each job displaying all relevant information via a web browser from anywhere in the world.

Cost Based Scalability

Whether you have a small onsite printing unit or a full scale multi-site transactional production facility, Discovery Enterprise is scalable to fit you environment and more importantly your budget. In fact, there is even a single machine version. At Lake Image, we understand that the need for quality and integrity control isn't just a concern for large volume production houses, it's every bit as important to smaller volume businesses. Discovery Enterprise is available at a very low cost but expandable to meet your businesses growing needs!

DISCOVERY ENTERPRISE

Lake Image Systems

PRINTING cut sheet and continuous, duplex or simplex

FINISHING cutters, collators, folders inserters and bindery

Discovery Client Network

Discovery Client Network

DISCOVERY ENTERPRISE

reports

job data

REPLICATION SERVER disaster recovery

DISCOVERY ENTERPRISE

- Real time piece level tracking and control for multi-step production processes.
- Tracking and alarms for incorrect, missing or duplicate sheets across multiple devices
- Dashboard overview of active equipment and jobs, with search, filter and sort tools
- Comprehensive data logging and Audit trail
- SLA deadlines with alarm notification
- Flexible data import, fixed width, CSV
- Near real-time System Replication features for disaster recovery and security

DISCOVERY MULTISCAN

- Highly flexible Camera and Scanner input
- Decode OCR, BCR, 2D, QRCode, RFID
- Machine level integrity inspection: file-based or sequence
- Match and logs multiple fields and regions
- Manage overall print quality with powerful inspection tools
- Continuous web and cut sheet/pack operation

READS:

- Variable Data, OCR
- Barcode, OMR, 2D
- QRcodes, IBM
- Address validation
- Mag Strips, RFIDs
- Images & Logos

TYPICAL USES

Document Integrity

- Piece Level, File based Integrity control
- Verify correct paper or insert stock
- Card Matching on Letters
- Feed data into external ADF, MIS & Job Accounting systems

Document Quality Inspection

- Document content Presence/readability/eligibility
- Print Positioning and Registration
- Check, verify and grade barcodes, logos, images are within colour, branding guidelines & print quality specifications

PROVEN ON:

- Printers & Presses - Cut Sheet or Web
- Cutters, Bindery
- Collators
- Inserters
- Card Attachers

SOLUTION BENEFITS

- Machine independent - Can be retro-fitted to most existing printing and finishing equipment
- Scalable - from single small machine to large, multi-site document factories
- Supported with comprehensive maintenance contracts featuring remote diagnostics

APPICABLE MARKETS

Transactional Documents

- Financial Statements & Bills
- Invoices & General Correspondence
- Card Attaching

Marketing Print

- Targeted Direct Mail

Booklet Maker

- Personalised booklets

Elections Services

- Postal Voting Notices and Forms

Education and Examination bodies

- Personalised exam papers

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20 YEARS of VISION 1994-2014