



3 Key Components of the Document Factory

IQ Production Management:

- Centralized Dashboard
- Job/Order Management
- Workflow Automation
- Operational Statistics

JETVision:

- Integrity Checking
- Quality Management
- Data Mining
- Device Control

Operator Workbench:

- Operator Notes
- Quality Control
- Materials Management
- Electronic Tracking

Document Factory

Factory intelligence for the print and mail industry

When print and mail production operations are directly connected to enterprise level data systems, the business can meet its full potential. Data captured at the operational level can have a tangible positive impact on business results. To quickly keep up with constantly changing market demands, your document factory needs improved agility and optimal use of resources.

Bell and Howell's Document Factory uses stored data and real-time visibility into factory operations to create an end-to-end production dashboard, better leveraging your staff and infrastructure to increase capacity while lowering operating costs, integrity issues and defects. A central point of control manages conversions and multiple output type workflows. With proven data integrity and output quality, Bell and Howell's Document Factory reliably reduces the risk of privacy breaches and regulation infringements.

Document Factory is paving the way for production operators to streamline their operation by implementing Plain Paper Factory concepts without incurring the risk. As variations in customer applications and production volume increases, your business stands to gain ever more from the efficiency improvements made possible by Document Factory.

Job consolidation has now become a common way to improve throughput and postal savings, but this can result in the loss of tribal knowledge needed to run

small jobs. When a large consolidated parent job contains a number of smaller children jobs, reporting and balancing for integrity is complex. By presenting job profile information from the production management system electronically to the device, the operator receives real time information on the content of the consolidated job, unique set up instructions, material requirements and quality control information. This fool-proof system means operators aren't forced to remember operational set up instructions for legacy jobs, and their correct execution is actively enforced. Audits of these results are processed and reported automatically. With Document Factory this information becomes a system of record and is stored with the job-specific historical production information for compliance reporting.

IQ PRODUCTION MANAGEMENT

IQ Production Management provides insight and control of the end-to-end progress of any job. The system is easily integrated with your existing operations infrastructure and is driven by predefined job profiles that detail the workflow requirements. Detailed job, item, device and operator level information is stored within IQ and can be displayed or reported on the screen in real time. The ability to search, filter and extract data to external systems at the enterprise level and beyond helps make operational decisions faster, facilitate accurate customer billing and estimates, as well as satisfy traditional operational reporting needs on capacity, shift reporting and Service Level Agreement attainment.

JETVISION DATA COLLECTION & INSPECTION

Bell and Howells JETVision systems enable the data collection and inspection aspect of the Document Factory solution. JETVision is comprised of hardware and software components. The inspection software can read and interpret production control marks such as barcodes, and mine data from a document, envelope, or object. The hardware portion of JETVision is made of Vision and Sensing Technologies that are physically mounted to the production line devices to collect data in realtime and to empower appropriate process control. JETVision can perform simple data collection tasks such as interpreting a barcode or capture data on the fly to validate with an external database. JETVision may be mounted on an automation system or may be implemented as a standalone workstation to assist in manual process areas. This greatly reduces the labor to administer jobs in manual process areas and drastically increases the integrity and reporting aspects as well.

OPERATOR WORKBENCH

The Operator Workbench is the final portion of the Document Factory solution. This software leverages job profile and setup information stored in IQ and displays it locally on the JETVision console. Real-time information for each job, its content, setup instructions, material requirements and quality control processes are easily accessible to the operator. The Workbench can display the jobs in queue for a particular work cell, allowing operators to process jobs based on real-time Service Level Agreement progress. Visual representations of inspected material are displayed on-screen to improve understanding and accuracy.

Additionally, mandatory operator sign-off can be enabled to verify the right material was loaded into the right bin and to institute mandatory quality control processes that require digital confirmation by the operator. All operator actions and responses are stored in IQ as a system of record along with the job history for compliance reporting and auditing.




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