Manufacturing and supply chain processes are often heavily reliant on paper making them slow, inefficient, lacking in visibility and therefore difficult to improve. The end results are higher costs and limited productivity due to inefficient processes and slow responses to customer queries. Plus, when a preprinted document, label or tag is out of stock, it can shut down a production line and delay shipments.

**Impacts on enterprise logistics**

Paper-based workflows make important data contained in logistics documents—forms, invoices, bills of lading, delivery receipts, packing lists and more—difficult to process. And that’s just the beginning of challenges manufacturers face in trying to manage a disparate fleet of devices.

- **Response time:** Today’s customers demand faster delivery times and continuous tracking of order status. But when users spend hours searching for documents and information, response times are slowed and production schedules are affected.
- **Operating costs:** Paper-intensive processes increase shipping and receiving costs, and outdated systems requiring preprinted forms or expensive supplies can drive the price tag even higher.
- **Compliance:** Manual processes associated with paper-based audits can slow your ability to provide evidence for business contract compliance and financial statement audits.
- **Visibility:** Most documents used in supply chain processes remain in paper form throughout the manufacturing process. This limits visibility into shipment status, making it difficult for production planners to start an order or schedule work.

**Speed document-driven processes everywhere**

Lexmark’s Supply Chain Document Optimization solution simplifies even the most complex document processes. Whether your goal is to maximize productivity, increase visibility or eliminate costly supplies, Supply Chain Document Optimization reduces manual, paper-based tasks that are disruptive to shipping and receiving operations.

With Supply Chain Document Optimization, you will:

- **Boost service:** Produce and capture shipping and receiving documents at the point of transaction; instantly share order and delivery information with customers
- **Reduce expenses:** Replace multipart forms and inkjet/dot matrix printers with advanced laser technology that prints on demand using standard copier paper
- **Drive productivity:** Leverage electronic forms to provide instant visibility to supply chain documents; eliminate delays caused by out-of-stock supplies and forms
- **Support compliance:** Reduce time-consuming paper searches and enable immediate accessibility to information for audits and compliance requirements

**Get control of supply chain documents**

For organizations looking to streamline shipping and receiving processes and minimize production downtime, Supply Chain Document Optimization delivers powerful features that add value to every step of the manufacturing processes.

- **Site level usability:** Increase user adoption with a familiar touchscreen interface and easy-to-use app for mobile devices
- **Intelligent form creation:** Allow sites to print forms on demand based on specified criteria, eliminating the expense and delays associated with preprinted forms
Solutions for manufacturing

- **Enterprise-wide capture:** Support remote document capture in plants, regional operational centers, warehouses, transportation centers and more
- **Instant delivery:** Capture shipping and receiving documents in real time, and store data in existing business systems for immediate retrieval
- **Ease of integration:** Integrate seamlessly with existing ERP, ECM, document management and production back-end systems
- **Complex media handling:** Easily generate content including packing lists, shipping labels, banners, continuous feed media, vinyl labels, card stock and paper labels
- **Advanced routing:** Collect key metadata to sort and route documents to the appropriate location based on data gathered, document type or extracted information
- **RFID tag programming:** Program and print RFID tags simultaneously to eliminate manual scanning delays and speed shipping processes

The Lexmark advantage

Lexmark’s common platform architecture creates a cohesive system across devices and solutions that is easily deployed in plants, distribution centers, corporate departments and more. Along with advanced integration capabilities and innovative technology, Lexmark brings more than 25 years of industry experience to 70% of the top 50 manufacturers around the world. Plus the rugged, industrial design of Lexmark devices means printers can be used in a wide range of environments and extreme conditions.

Supply Chain Document Optimization in action

Keuhe + Nagel, a transport and logistics company operating in over 100 countries, struggled to keep track of shipment and service jobs including pick tickets, bills of lading, packing lists and commercial invoices, all of which generated over two million printed pages per year. The company began searching for a workflow modernization solution that could abolish paper-based processes, and chose Supply Chain Document Optimization from Lexmark.

Today, Supply Chain Document Optimization is used to streamline inbound and outbound documents for paperless indexing. With an output infrastructure of Lexmark devices already in place, Kuehne + Nagel eliminated much of its paper deluge and now stores electronic information in a searchable, online database. Document retrieval is just seconds away, and the electronic forms and workflow solution enables digital authorization for easy inventory monitoring. In addition, Keuhe + Nagel leverages Lexmark MFPs to deliver on-demand printing on a variety of complex media, for even greater flexibility and savings.

Access information anytime, anywhere from central, electronic repository

Scan signed shipping documents for automatic filing. The system reads the barcode to make proper connections. Automatically initiate processes within accounting such as invoicing and revenue recognition

Print the shipping document to accompany shipment

Generate a unique barcode so each printed copy of this document can be automatically linked back to your core systems when scanned

Link a digital copy to your systems of record before publishing

Pull the data needed for shipment from corresponding systems and merge onto one document

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