

# Dion Label Printing Facility Information

## Company Profile

Dion Label Printing strives to elevate our customers' brands through high-quality printed labels and packaging. With only seconds available to make a first impression, your label needs to make a lasting impact. As a leader in the narrow web printing industry, we continuously endeavor for the highest quality service and product while pushing to innovate. Both digital and flexographic printing capabilities are available, allowing us to provide quantities ranging from the millions down to the hundreds.

## Prepress and Graphics

- In-house prepress, design support, and project management for superior outcomes
- ESKO Automation Engine 14 modular DB driven workflow management
- ESKO Modules: JDF, VDP, FlexRip, PDF Processor, Shrink Studio, Plato, PackEdge, Flexo Tools, Equinox & more
- ESKO Color Engine 14 fully supports 4cp and expanded gamut 7cp color match strategies
- Custom JDF workflow architecture for complete, automated product and revision control
- Refined Brand, Pantone & Special Matches are automated for consistent results on all products
- 3-Xrite exact synchronized spectro's, 1-Xrite iO Profiling flat bed, 1-Xrite 530, 1-508
- Pantone Lightbooth for precise visual color viewing & evaluation
- Eco-friendly ESKO CDI/Dupont FAST digital platemaking
- Perfect Highlights with screen manager for optimum flexographic plate highlights and gradients
- 5 full time MAC prep stations, 3 full time technical support positions, 1 Plato/PackEdge Windows Desktop
- 4 server class processing and storage platforms with redundant back-up architecture

## Printing & Finishing Equipment

- HP Indigo 8000: 7 color digital printing press (1)
- HP Indigo WS6800: 7 color digital printing presses (2)
- 17" MPS: 9 color full servo - UV and water based flexographic printing press (1)
- 16" MPS: 8 color full servo - UV flexographic printing press (1)
- 10" Propheteers: 8 color flexographic printing presses (2)
- 13" Digicon: digital finishing press (1)
- 13" Custom servo converting press (1)
- 13" Custom converting press with high decoration capabilities (1)
- Shrink sleeve seaming & finishing equipment

## Inspection Equipment

- Highspeed upright slitting/inspection machines, one with numbering/imprinting capabilities (4)
- Table top inspection stations (3)
- Highspeed fanfolding machine
- Offline sheeter
- AVT full inspection and roll mapping system for 100% inspection
- Shrink sleeve inspection equipment

## Quality Assurance

The Dion team takes the time to ask detailed questions and do the required testing to ensure each customer receives the highest quality printed product. Below are some of the ways Dion is providing dynamic quality assurance for customers.

- Dion has two full time quality teams. The Quality Assurance team ensures customer specifications are met during pre-production and while on press. The Quality Control team reviews all rolls post-production to ensure there are no print defects.
- Technical specifications of new projects are reviewed internally and tested by customers to ensure printed packaging is successful for the application. Labels should apply well to the surface without puckering or bubbling.
- All prepress functions are completed in-house, encouraging a direct line of communication between the customer and graphic artist. Direct communication ensures security of the customer's artwork and allows for expedited processes. Dion also has a detailed file management and archiving system.
- Exact match proof options are available including laminate or varnish. Printed proofs are highly encouraged when color matching to a brand color.
- Dynamic real-time quality assurance alerts are utilized for customer support and product specific special instructions. From the initial ordering process through production and shipping these alerts are coded for each department to ensure individual customer specifications are met.
- Two proofreading processes are used during production. A human proofreader reviews the label's copy as well as the details of the order itself. An electronic proofreader uses an exact match comparator which highlights any missing text, fonts or graphics
- Video monitoring of printed web on press, finishing equipment and inspection equipment is utilized to ensure the highest quality assurance during each phase of production. An AVT full inspection and roll mapping system is used for 100% inspection guarantee.
- Each label roll is marked with its own batch number for accurate tracking.
- Finished rolls are reviewed twice by quality control personnel and bagged or shrink wrapped for protection before shipping.
- Dion is proud to be the first GMI Certified Printer in the country for both Digital and Flexographic Printing. As of March 2014, Dion was awarded the certification by Graphic Measured International as a high-performance printer highlighting a commitment to color consistency.

## Sustainability

As a leader in the printing industry, Dion continues to take steps toward a cleaner and healthier tomorrow. Companies worldwide are implementing better waste management systems, energy efficient processes, and expanding their eco-friendly product offerings. Dion Label Printing is one of these companies and below are some specific sustainability efforts.

- By offering digital printing Dion drastically reduces setup waste on press. Waste is reduced on average by 75% when using the digital printing process.
- A variety of eco-friendly materials are available including recycled post-consumer waste paper.
- Water-based, solvent-free inks are used in most conventional printing operations.
- Water soluble adhesives are offered which allows labels to be washed off their containers, and the containers re-used.
- Bulk shipping options are offered for those customers who are willing to mix items within their shipping containers, allowing for a reduction on boxes and shipping paper.
- Various departments are paperless or in the process of going paperless to further reduce company waste and provide a centrally located area for all documents.
- Reporting is done utilizing PDF electronic documents.
- Energy efficient LED lighting is located throughout the entire building.

# Innovation

To progress as a company for over 50 years, the Dion team understands the importance of growth and strives to grow with new technology and investments. In 1969, Dion was founded with one printing press. Years later, Dion Label Printing has grown into a 30,000 square foot facility with multiple printing presses in two print environments. The Dion team is constantly researching new product and packaging techniques to meet the growing needs of customers as highlighted in some of the most exciting innovations below.

- Custom skin applications have provided a hypoallergenic solution for medical customers.
- An American-made custom converting press was installed allowing the production of complex solutions including band-aid-like applications and custom die cutting.
- An MPS hybrid press was the first European press of its kind to be introduced in the United States. The addition allowed Dion to add techniques like cold-foil, UV inks, and the printing on unsupported films.
- Continuous updates to all digital printing machinery is completed annually including the recent installation of the HP Indigo 8000 press.
- Innovative material options including wood veneer material, flexible skin grade materials and numerous water-resistant applications.
- Innovative shrink sleeve packaging printed both digital and flexographically.
- AVT full inspection and roll mapping systems for 100% inspection from press to Quality Control.
- Dion was the first GMI certified printer in the country for both digital and flexographic labels. Dion currently maintains the highest blue dot certification rating with a perfect supplier score of 100.
- Dion is registered with the FDA and compliant with both FDA 21 CFR Part 11 and EU Annex 11 which help regulate the security of electronic records of customers and suppliers.