DARTJET
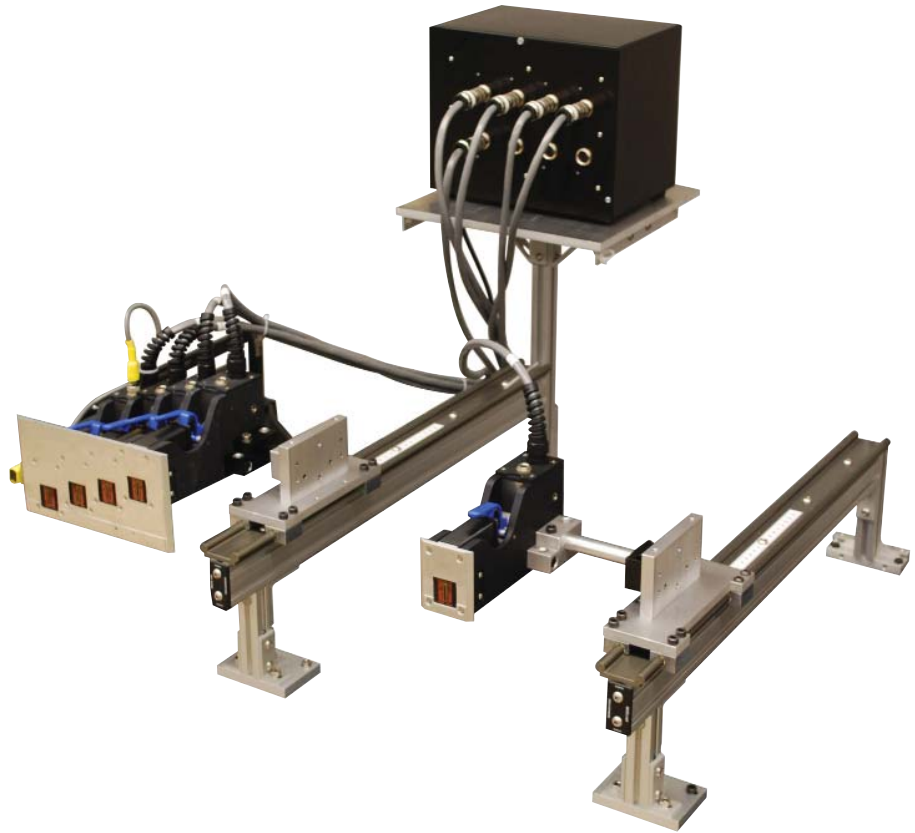## INK JET SOLUTIONS

BOX CODING

WEB PRINTING

MAILING & ADDRESSING

PHARMA

FLEXIBLE, HIGH-PERFORMANCE INDUSTRIAL PRINTER

A flexible, ready-to-run high-resolution modular printing system for a broad range of Pharma, Package Printing, Variable Web, and complex system industrial printing applications. Available as a complete solution or on a modular basis.

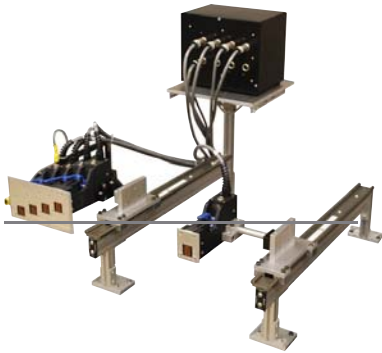### VARIABLE PRINT SWATH FOR COMPLEX ENVIRONMENTS

The Universal Print Controller (UPC) can support up to 8 DLXP printhead enclosures (PHE) and up to 8 product detects. The system is highly flexible and can be set up for either individual PHE ½" print swaths or multiple PHEs can be bundled for broader swaths. In addition, multiple UPCs can be combined to drive up to 32 PHEs and 32 product detect options. The UPC supports printing left to right, right to left, and inverted.

RELIABLE DESIGN FOR CHALLENGING ENVIRONMENTS

The DLXP Printing system is designed to accommodate either single-use or bulk cartridges. The PHE's robust, heavy metal enclosure is ideal for harsh, continuous use industrial environments. Electronics are enclosed in a water-resistant module and include fully enclosed pogo pin assembly to assure long-term connectivity and reliability of the system.

EASY TO USE & MAINTAIN

The DLXP printing system is easy to set up, use, and maintain. Compatibility with commercially available application software provides for a complete, out-of-box solution that can be up and running in a short time.

CONTACT DARTJET:
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LEXMARK
™

DARTJET
INK JET SOLUTIONS

DARTJET - LEXMARK
DLXP PRINTING SYSTEM

DLXP PRINTING SYSTEM SPECIFICATIONS

PRINT SWATH
1/2" Imaging Modules, expandable to 16" and beyond
Image stitching facilitates printing up to 16"

NOZZLES
640 nozzles per individual cartridge/PHE
20,480 nozzles for a 16" system

MAXIMUM PRINTING SPEED & RESOLUTION (@ 24 KHZ)
760 ft./min. in 158 x 600 dpi
540 ft./min. in 221 x 600 dpi
420 ft./min. in 284 x 600 dpi
270 ft./min. in 442 x 600 dpi
200 ft./min. in 600 x 600 dpi

PRINTING ORIENTATION
Horizontal (down) or vertical (Side) jetting capability

APPLICATIONS
Mailing & Addressing
Variable Data Web Presses
Sheet-Fed Variable Data & Graphics
Envelope Printing
Package & Tray Printing
Pharma

BULK INK SUPPLY (OPTIONAL)
Used with Lexmark's industrial bulk cartridges
Ink tank garage & electronics
Intermediate ink tanks
Unique, High-Grade Ink Tubing & Connectors

INK TYPES & MEDIA
Broad portfolio of TIJ inks available for a variety of applications and media

VARIABLE VOLTAGE FIRING
Variable voltage firing to support solvent inks

PRINTHEAD MAINTENANCE
Manual
Patent pending algorithms to support longer open time

PRINTABLE IMAGES
Text
Barcode
Graphics

OPERATING ENVIRONMENT
16-32C, 8-80% RH

DIMENSIONS (HxWxD)
PHE: 3-3/4" x 1-5/8" x 7"
Interconnect/Power Unit:
8" x 10" x 7"
Bulk Ink Delivery System:
6-1/8" x 3-1/2" x 9-3/8"

POWER REQUIREMENTS
Range Line Voltage: 100-240 VAC
Line Frequency: 50 / 60 Hz

SYSTEM REQUIREMENTS
PC with Windows XP
2 Encoder (for variable speed applications)
Up to 32 product detects
Photocue/Trigger

INTERFACE
USB 2.0 High Speed (one per UPC)

Single use OEM cartridges

OEM bulk ink cartridges & external tanks

Optional bulk ink supply assembly

Electronics

LEXMARK TIJ ADVANTAGE
DLXP is designed to work with Lexmark's TIJ. Industrial-class, ½" swath single-use and bulk cartridges are available as well as Lexmark's bulk ink systems to provide the Lexmark TIJ Advantage:
– Approx. 2X the throw distance vs. leading TIJ competitor allows for ¼" gap and increased reliability with variable media thicknesses (based upon ink type and media used)
– Approx. 2X the rated speed vs leading TIJ competitor with jetting frequencies up to 24 kHz
– Approx. 2X nozzle count vs. leading TIJ competitor provide for increased reliability and print quality.
– Dual rows, redundant nozzles for more reliable printing
– Print up to maximum of 760 ft/min (3.9 m/s) @ 150 x 600 dpi

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