

BELL-MARK

Printing Solutions for Medical & Pharmaceutical Packaging

Serialization • Regulatory Compliance • Increased Flexibility • Cost Savings



InteliJet **HD**

Piezo Inkjet Printing System

Featuring next-gen Piezo Drop-on-Demand technology, the InteliJet HD delivers high-performance printing at incredible 600 DPI print resolution, available in single-color, two-color, or full-color CMYK print head configurations.

- Lowest total cost ownership over other printing systems
- Little to ZERO maintenance

Print entire packages on demand, including all necessary variable data, directly onto almost any surface with UV-cured or water-based inks.



The InteliJet HD is available in 5 unique models:

- **ServoWAS**
- **Accumulator**
- **Reel-To-Reel**
- **Traverse**
- **Continuous**

Features

- **LED UV Curing System.** Instantly cures and protects the ink, guaranteeing lasting print quality.
- **Built-in automatic print head purge, wipe & capping.** Reduce downtime with automatic maintenance at the push of a button, ensuring maximum print head life and the highest print quality capable at all time.*
- **Network Connectivity:** Connect effortlessly to an ERP system and utilize a Hot Folder to leverage existing label software like Prisym, Labelview, Bartender and more. Network connections include Ethernet, TCP/IP, OPC UA (client or server), Serial (RS232), Hot Folder and more.
- **Splice Detection.** Automatically retracts and protects the print heads from web splices without stopping production.



- **Advanced User Interface.** The built-in 307mm touchscreen provides control over all aspects of the printer.
 - » BELL-MARK Layout / Label creation tools provide the ability to design and modify print templates using an extensive array of powerful editing tools.
 - » Integrated help system provides a convenient way to view tutorial videos with step-by-step instructions on performing maintenance tasks.
 - » Create customized workflows for an enhanced customer experience.
 - » Supports all types of variable information (text, barcodes, date codes, serialization) with over 80 types of barcodes including: GS1-128, GS1-Datamatrix (2D), EAN 13, EAN 8, EAN 14, Code 39, Code 128, UPC A, SSCC18, PZN, and QR-code.
- **Remote Support.** The InteliJet HD is equipped with remote training and support, requiring only an internet connection.

*Features only available on the HD 3

Solutions for Every Application

Our state-of-the-art piezo inkjet printers are engineered specifically to fit and excel within your unique packaging application. The IntelliJet HD offers exceptional compatibility with a wide variety of packaging machines, including:

- Horizontal Form, Fill, Seal
 - » Top web & bottom web
- Continuous Flow Wrappers
- Conveyors & Offline Feeders
- Blister Machines
- Tray Sealers
- Film Converting
- Reel-to-Reel
- Carton Printing



ServoWAS - HFFS



ServoWAS - HFFS Bottom Web



Traverse - HFFS



ServoWAS - Tray Sealer



Continuous - Offline Feeder



Scan for more info & videos of the IntelliJet HD

Optional Vision Inspection System



Maximize efficiency with print verification. The vision inspection system integrates directly into the IntelliJet HD's HMI, creating a truly all-in-one solution that provides 100% inline inspection and barcode grading. Optional integration is available to connect directly with a customer's ERP or labeling solution.

Vision Inspection Screen in HD HMI





Intelijet **HD S**

Servo Web Advance System

Unmatched versatility. The most versatile HD printing solution, the HD S utilizes stationary print heads with an intelligent servo motor that provides closed-loop positioning for highly accurate print registration.

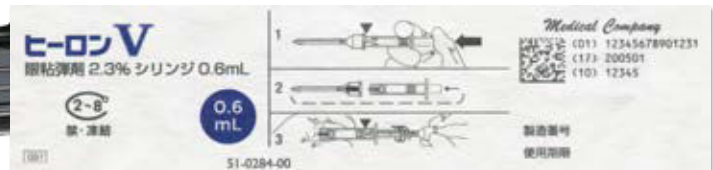
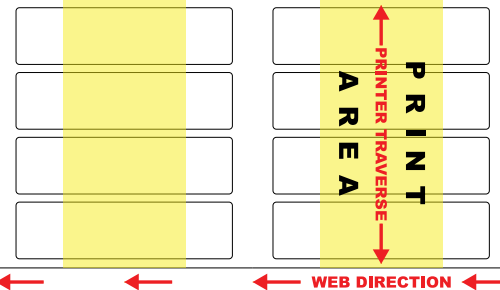
Web Advanced Module. The innovative Web shuffle mechanism facilitates precise web positioning that optimizes the print speed during the dwell time.



Intelijet **HD T**

Traversing System

The built-in traversing mechanism moves the print heads perpendicularly across the web while the material is stationary. A perfect fit for applications with short indexes combined with a wide web.



Intelijet **HD C**

Continuous Motion System

Designed for conveyor & converting applications. The HD C utilizes continuous

motion printing to print on products as they pass by. It is the ideal solution for printing on pre-made pouches, lid stocks, bags, empty chipboard boxes and unformed cartons. With applications spanning up to 1,016mm wide, the HD C can accommodate a wide range of different products and package formats.



InteliJet **HD** R

Reel-To-Reel Piezo Inkjet System

The InteliJet HD Reel-to-Reel system ensures smooth, continuous material handling with precise control. It expertly manages large substrate rolls, maintaining consistent tension throughout the process to prevent substrate damage. Accurate web guiding keeps the material perfectly aligned, while the automated rewind system ensures efficient roll formation after printing.

Designed for use with various flexible materials, the system significantly minimizes waste and maximizes overall production efficiency. The system is capable of achieving impressive printing speeds of up to 60 m/min and is available with 1-color, 2-color or full-color CMYK print head configurations.

Optional Vision System & Splice Table available.



InteliJet **HD** A

Accumulator System

Unparalleled Print Control. The HD A features a unique buffering system that works independently of the packaging machine's web pull. The web tension control, which is vital for printing applications where print speed and tension are critical, such as printing on pharmaceutical blister packs, isolates the printing process from the packaging machine's web advance, ensuring consistent web tension during the printing cycle. The HD A can be retrofitted to almost any existing blister packaging machine.

Designed for High-Output Applications. The HD A can reach impressive printing speeds over 100 cycles per minute on intermittent packaging machines. Print on various flexible web materials, including blister pack top webs.



Thermal Inkjet Solutions

InteliJet TS

Thermal Inkjet Print Head

The ideal solution for printing essential variable data, including date codes, lot codes and high-density barcodes plus high-quality graphics on virtually any substrate. Utilizing a compact 12.7mm (1/2") print head, the TS delivers high-resolution coding within a highly efficient footprint.



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No maintenance, zero headaches. Simply swap ink cartridges when ink is depleted and resume printing in seconds, ensuring maximum uptime.

Easy Installation, Extreme versatility. The small footprint and simple design of the printer offers flexibility to fit seamlessly into any packaging application and can be retrofitted to most packaging machines.

InteliJet TS 5L

The TS 5L expands the capabilities of the TS with a wider 26.9mm (1.06") print head, perfect for printing extensive data and larger branding elements without the complexity of stitching multiple print heads.



TS Quattro

Touchscreen HMI

Incredibly Powerful, Easy-to-Use. Control up to 16 TS print heads simultaneously from a single user-friendly touchscreen. The 10.4" (264mm) screen makes it effortless to create and select print files with the built-in label creation software.

Monitor a wide range of critical parameters, including individual print head ink levels, all supported by full data logging capabilities. For enhanced security, you can create multiple users with different access levels. The interactive help system guides you through printer maintenance tutorials, step-by-step.

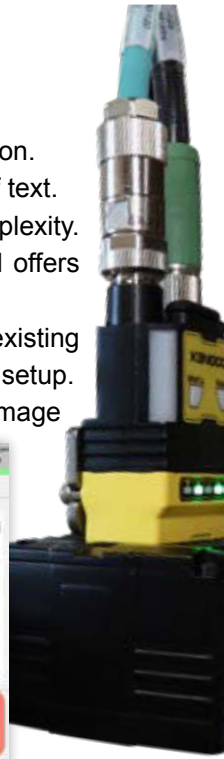


Optional Vision Inspection System

Integrated directly into the Printer UI for a truly all-in-one solution.

- Advanced optical character recognition deciphers a range of text.
- Comprehensive vision toolset addresses tasks of varying complexity.
- EasyBuilder development environment simplifies setup and offers rapid turnaround.
- **Maximize operational efficiency** - Leverage your existing workforce and keep your lines running with fast, intuitive job setup.
- **Streamline integration** - Take the guesswork out of image optimization and identify the correct combination of accessories in a few button clicks.

**Vision System
Image Capture
Screen in TS
Quattro HMI**



Solutions for Every Application

Designed for seamless integration into your unique packaging setup, the IntelJet TS is compatible with a wide variety of machines, including:

- Horizontal Form, Fill, Seal
 - » Top & Bottom Web
- Vertical Form, Fill, Seal
- Continuous Flow Wrappers
- Case Sealers
- Box Erectors
- Labelers
- Tray Sealers
- Pouch Machines
 - » Horizontal & Rotary
- Rotary Thermoformers
- Conveyors & Offline Feeders
- Band Sealer
- Blister Machine
- Box Taper



Horizontal Form, Fill, Seal



Offline Conveyor



Band Sealer



Tray Sealer



Labeler

**Scan to see videos
of the IntelJet TS
printer in
action!**





Intelijet TSi

Ready-to-ship, off-the-shelf, single-head system. Provides the versatility of the high-quality Intelijet TS print head in an easy-to-install package. Includes everything needed to install yourself and be running production within minutes of unboxing. Includes mounting brackets, print sensor and HMI. The 178mm touchscreen of the HMI provides essential features to monitor operating conditions including ink level and job counts.

Intelijet TSP

for Flexible Multi-Track Packaging Machines

Designed specifically for stickpack & sachet coding. Expandable design includes 4 - 20 TS print heads in a single integrated system for printing multiple lanes across a web. The modular design has no traversing system or moving parts making it a great low-maintenance solution for vertical form, fill, seal applications. All print heads are controlled by a single HMI touchscreen.



Optional TS Traversing Systems

Integrated traversing systems for the TS & TS print heads allow for printing multiple rows across a substrate. Available options include the cost-effective Intelijet TS CATraverse and the more advanced Intelijet TS Traverse which includes advanced features such as bidirectional printing.

Intelijet TS TRAVERSE

Intelijet TS CATraverse



Thermal Inkjet 4.0 Solutions

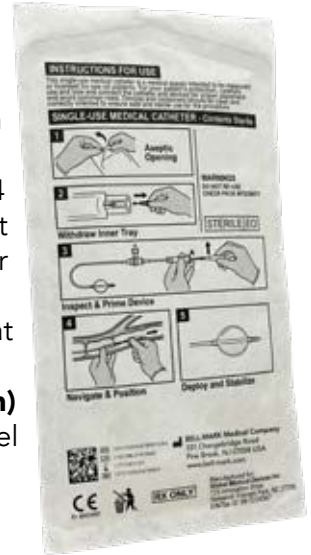
InteliJet LPc

Powered by the latest TIJ 4.0 technology, the LPc utilizes lower cost inks and a high-capacity 775mL ink supply to reduce costs and downtime significantly over TIJ 2.5 technology. It provides the lowest cost solution for printing on all types of porous materials.

- **Incredible Print Quality:** 600x1200 DPI.
- **Ultra-Fast Speeds** up to 182 m/min (600 ft/min).
- **Expanded Reach:** 22mm (7/8") print heads with an increased 7mm throw distance.
- **Modular Versatility:** Stitch up to 4 print heads for 88mm (3.5") print width or separate print heads for simultaneous multi-side printing.
- **High-Capacity** ink system that holds 775mL of ink.
- **Powerful 11.6" (295mm) touchscreen HMI** with built-in label creation software.



22mm Print Head Width



InteliJet LPc PLUS

Upgrade the HMI to the LPc PLUS for enhanced features, including:

- **Remote Support:** Integrated TeamViewer Access for instant remote troubleshooting from Bell-Mark to minimize downtime.
- **Onboard Guidance** with guided step-by-step "How-To" videos for routine maintenance tasks.
- **Windows Hot Folder** instantly processes files automatically when dropped into a designated server folder.
- **Regulatory Compliance:** The LPc Plus is 21 CFR Part 11 compliant, with a full audit trail of all user actions and system events to ensure total data integrity.



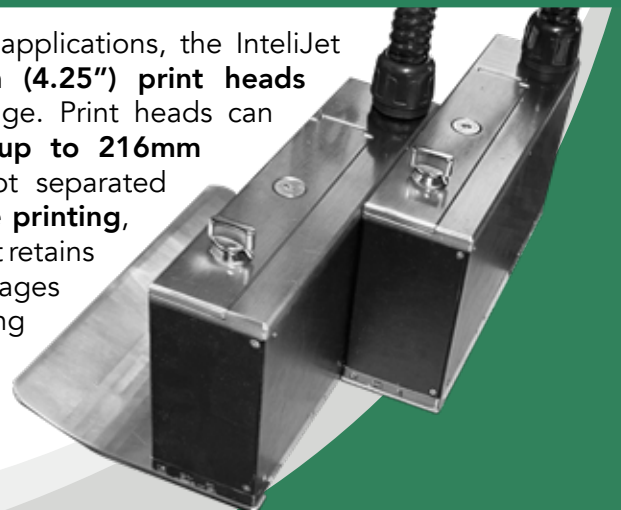
Scan to see videos of the InteliJet LP printers in action!

InteliJet LP PRO

Wide-Format Thermal Inkjet 4.0 Printer



Designed for wide-format applications, the InteliJet LP Pro leverages **108mm (4.25") print heads** for expanded print coverage. Print heads can be stitched together for **up to 216mm (8.5") print width** or kept separated for simultaneous **multi-side printing**, controlled by a single HMI. It retains the same TIJ 4.0 advantages at a larger scale, providing a versatile solution for complex branding and high-resolution imaging across wider substrates.



EasyPrint

The **EasyPrint** line of thermal transfer printers offer a great **alternative to labelers and preprinted materials** by printing the entire label of a package directly onto a substrate using thermal ribbon. The wide print area is perfect for printing barcodes, graphics, company logos and any type of variable data.



EasyPrint S32

The **EasyPrint S32** printers are available with a 53mm or 128mm print head and can print in intermittent or continuous motion printing operation. Includes a 178mm touchscreen interface that can be used to select and preview print files and monitor parameters such as remaining thermal ribbon.

Benefits of Thermal Transfer

- **Streamline your production line** by removing your labeler.
- **Simplify your inventory** - No more preprinted material inventory.
- **Reduce downtime** with long-lasting, easy-to-change thermal transfer ribbon.
- **Reduce waste** - Altering labels can be done with built-in software, eliminating the need to throw out outdated labels and preprinted materials.

Solutions for Every Application

Our thermal transfer products are designed to fit your unique packaging application. EasyPrint printers can easily integrate with a wide variety of packaging equipment, such as:

- Horizontal Form, Fill, Seal
 - » Top web & bottom web
- Vertical Form, Fill, Seal
- Continuous Flow Wrappers
- Offline Feeders
- Tray Sealers
- Labelers
- Tabletop



S32 - Labeler



S32 - Blister Machine



S32 - Horizontal Form, Fill, Seal

Multi-Lane Thermal Transfer Solutions

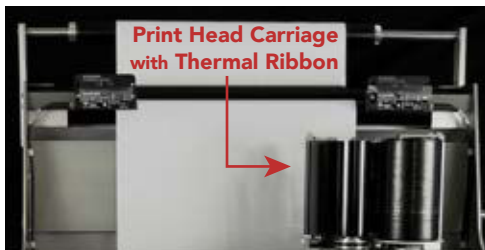
EasyPrint MLP

Max Efficiency with Unmatched Durability. EasyPrint MLP multi-lane thermal transfer printers have an integrated traversing print head that sweeps across the web of the film to print multiple rows in one fluid motion. Print your entire package on demand & eliminate preprinted materials & labels. Reach printing speeds up to 600mm/sec. Multiple print head sizes are available, including 53mm, 128mm, or 213mm.



Powerful HMI. Control all aspects of the MLP printer with the 264mm touchscreen which includes built-in label creation software. Monitor a wide range of parameters with full data logging support. Create multiple users with different access levels and utilize the interactive help system to guide you through printer maintenance tutorials, step-by-step.

MLP Printer Operation



(Internal View)



MLP - Pouch Machine



MLP - Horizontal Form, Fill, Seal

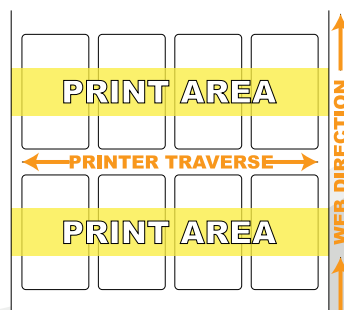
Optional Web Advance System

The MLP WAS attaches directly to your MLP and takes control of the web and moves it independently of the packaging machine. Allows for multiple row printing during a single dwell cycle of the packaging machine.



Split Platen Printing.

MLP printers can also be designed with a split platen feature that allows the MLP to print multiple rows with a single sweep of the print head. This allows for increased cycle throughput at a lower capital investment.



Scan for more info & videos of EasyPrint Printers

Flexographic Printing Solutions

FlexPrint

Available in single color or two-color, the Flexprint flexographic printer offers high-quality printing on Tyvek, paper and film with a patented "S" wrap design for pinpoint registration.

Servo Drive. The precise print registration is achieved using a Servo Drive system which offers fast printing speeds up to 30 cycles per minute, reduces stress on the package seals, and allows more affordable web materials to be used.

Rapid Print Plate Changes. The FlexPrint's unique mag-align magnetic back system allows for fast print plate changes, accurate placement, and eliminates costly spare print cylinders and machine down-time. An open-



cavity InkWell comes standard which provides a no-mess, maintenance-free method for press ready ink and daily cleanup.



Additional Printing Solutions

Offline Feeder

We provide feeding/conveying systems for offline printing with piezo inkjet, thermal inkjet and thermal transfer. This system is an easy and cost-effective way to print on cartons, boxes, pouches, bags and more. Feed and print your product in batches of any size, anytime. The customized feeder can accommodate large product widths and various thicknesses and has advanced sensors for detecting incorrect product feeding to ensure product counts are accurate.



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