

# 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 provides high-performance printing at incredible 600 DPI print resolution, available in single-color, two-color, or Full CMYK print head configurations.

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

Print entire packages on-demand, including all variable data, directly on to 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 to guarantee 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 to an ERP system and utilize a Hot Folder to utilize existing label software like Prismo, Labelview, Bartender and more. Network connections include Ethernet, TCP/IP, OPC UA (Can be client or server), Serial (RS232), Hot Folder and more.
- **Splice Detection.** Retracts and protects the print heads from web splices without stopping production.



- **Advanced User Interface.** Built-in 307mm touchscreen for controlling 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 editing tools.
  - » Integrated help system that provides a convenient way to view tutorial videos step-by-step instructions on how to perform maintenance tasks.
  - » Create customized workflows for an enhanced customer experience.
  - » Supports all types of variable information (text, barcodes, date codes, serialization) and 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 has remote training and support, only requiring an internet connection.

\*Features only available on the HD 3

# Solutions for Every Application

Our piezo inkjet printers are designed specifically to fit your unique packaging application. The IntelliJet HD can easily integrate 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



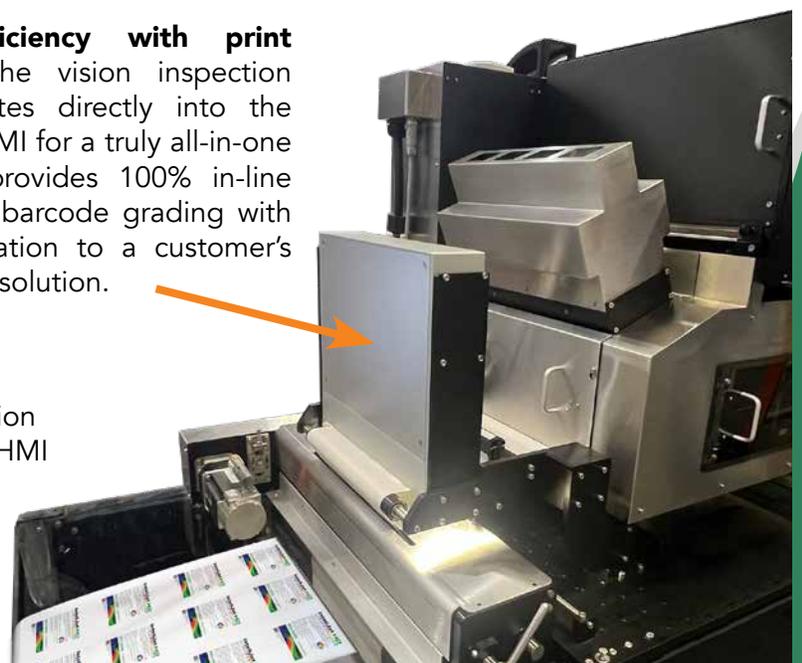
Scan for more info & videos of the IntelliJet HD

## Optional Vision Inspection System



**Maximize efficiency with print verification.** The vision inspection system integrates directly into the IntelliJet HD's HMI for a truly all-in-one solution that provides 100% in-line inspection and barcode grading with optional integration to a customer's ERP or labeling solution.

Vision Inspection Screen in HD HMI





# InteliJet **HD S** Servo Web Advance System

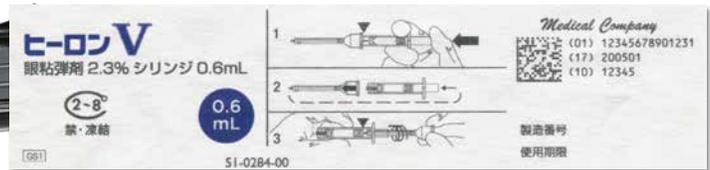
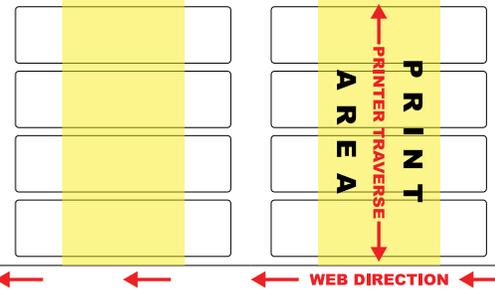
**Extreme versatility.** The most versatile HD printing solution, the HD S utilizes stationary print heads with an intelligent servo motor that provides closed loop positioning for accurate print registration.

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



# InteliJet **HD T** Traversing System

Built-in traversing mechanism moves the print heads perpendicularly across the web while it 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 uses continuous motion printing operation to print on products as they pass by. It is the ideal solution for printing on premade 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.



# 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 manages large rolls, maintaining consistent tension to prevent substrate damage. Accurate web guiding keeps the material aligned, and the automated rewind system ensures efficient roll formation after printing. Designed for various flexible materials, the system minimizes waste and maximizes production efficiency.

Max web width	400mm*
Max roll diameter	500mm
Max print width	333mm (centered)*
Max speed	60m/min

\*Larger web widths available upon request.

Optional Vision System & Splice Table available.



# InteliJet **HD** A

## Accumulator System

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

**Designed for High-output Applications.** The HD A can reach printing speeds over 100 cycles per minute on an intermittent packaging machine. Print on flexible web materials, including blister pack top webs.



Thermal Inkjet Solutions

# InteliJet TS

## Thermal Inkjet Print Head



The ideal solution for printing variable data such as Date codes, Lot codes and Barcodes plus Logos and Graphics on almost any substrate.

**No maintenance, zero headaches.** Simply swap ink cartridges when ink is depleted and continue printing in seconds.

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



# TS Quattro<sup>3</sup>

## Touchscreen HMI

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

Monitor a wide range of parameters, including individual print head ink levels, all 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.



## Solutions for Every Application

Our thermal inkjet products are designed specifically to fit your unique packaging application. The InteliJet TS can easily integrate with a wide variety of packaging machines, including:

- Horizontal Form, Fill, Seal
  - » Top web & 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

# 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**



Tray Sealer



Labeler



Scan for more info & videos of the IntelJet TS

# 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





## InteliJet LPc

Featuring the latest innovation in thermal inkjet technology (TIJ 4.0), the InteliJet LPc provides many cost benefits over TIJ 2.5 for printing on porous materials, including lower cost inks and an integrated ink supply that reduces downtime significantly. It provides many improvements over TIJ 2.5, including:

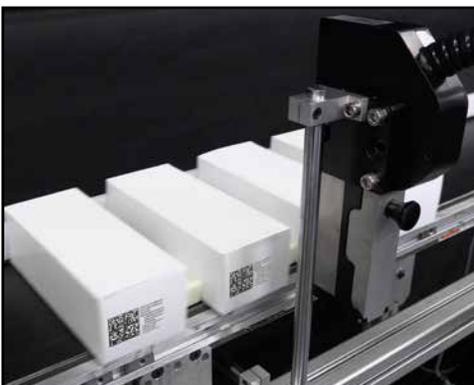
- Incredible 600x1200 DPI print quality
- Ultra-fast speeds up to 182 M/min (600 ft/min)
- 22mm print head width
- Increased ink throw distance (7mm)
- Integrated ink system that holds 775mL of ink
- Touchscreen and ink system are integrated into a single unit, minimizing the total footprint for space-saving convenience
- 3.5 - 4x cost reduction compared to TIJ 2.5

Print on any type of porous material, including cartons, paperboard and corrugated materials. Stitch up to 4 print heads together for a max print width of 88mm. The LPc includes a 295mm touchscreen that includes label creation software.

**22mm Print Head Width**



**Print entire Crypto-codes with a single print head!**



Offline Conveyor



Tape Machine



Scan for more info & videos of the InteliJet LPc

# 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
- Labelers
- Offline Feeders
- Tabletop
- Tray Sealers



**S32** - Labeler



**S32** - Blister Machine

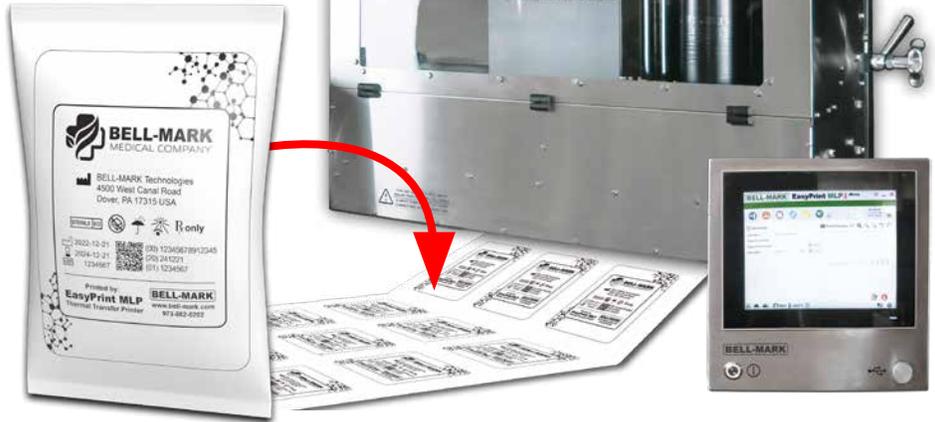


**S32** - Horizontal Form, Fill, Seal

## 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 waeb of the film to print mutiple rows in one fluid motion. Print your entire package on demand & elminate 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

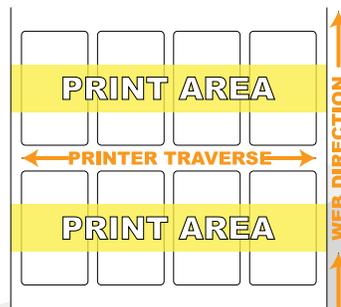
## Optional Web Advance System

The MLP WAS attaches directly to your MLP and takes control of the web and moves it independently of the packaging machine. Allows for mulitple 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 investrment,



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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