

# BELL-MARK

## Printing Solutions for Converting Applications

High-Speed, High-Resolution • Low Maintenance • Variable Data Capable



# IntelIJet *HD*

## Piezo Inkjet Printing System

Featuring Piezo Inkjet Drop-on-Demand technology, the IntelIJet HD provides high-performance printing with **incredible 600 DPI print resolution**. Available in single-color, two-color, or four-color CMYK print head configurations.

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

Print your entire product's artwork on-demand, including all variable data, directly on to almost any surface with UV-cured or water-based inks.

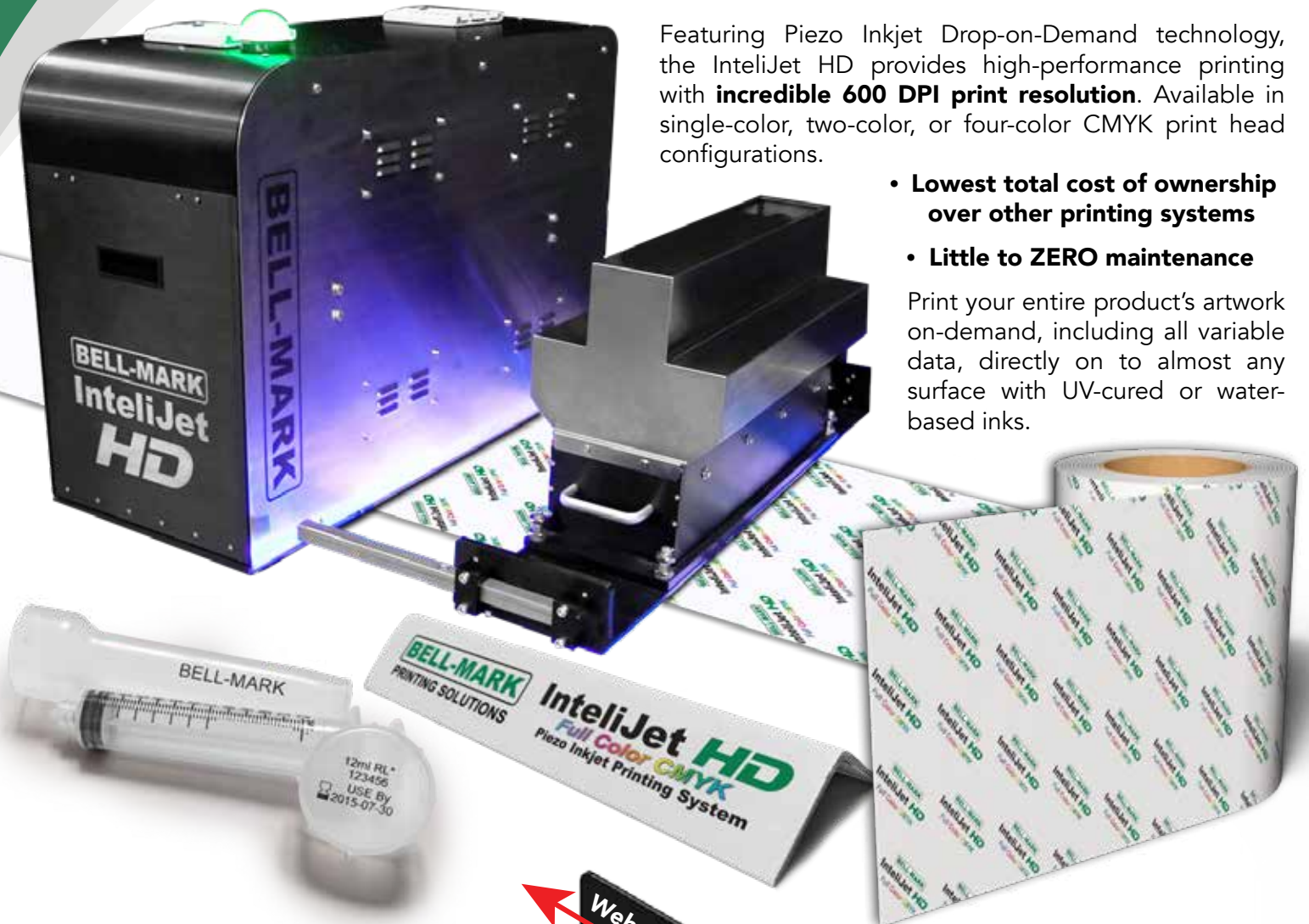
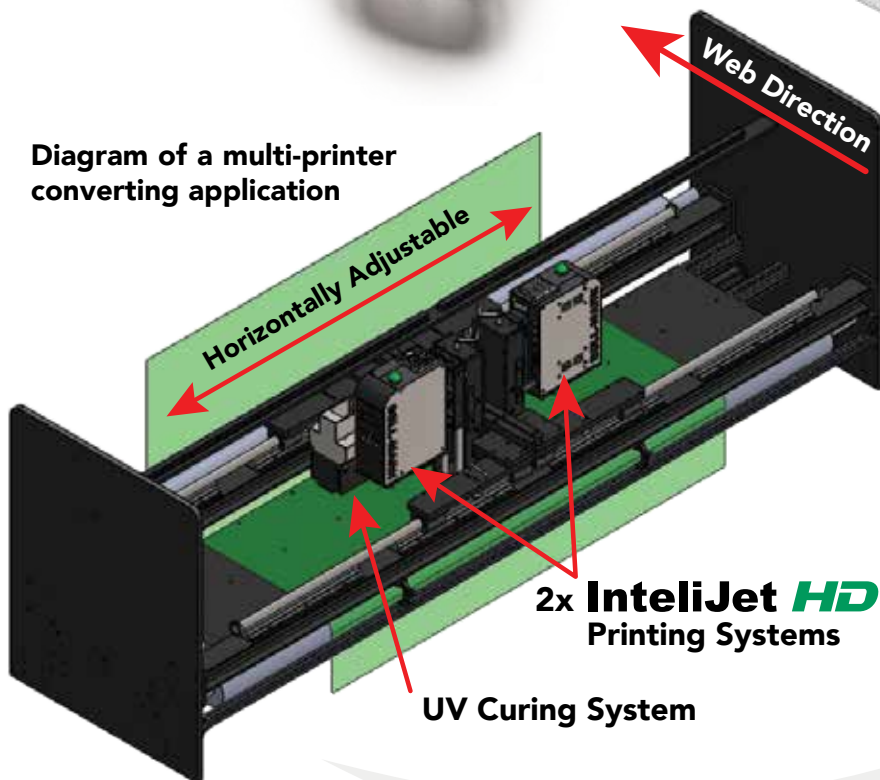
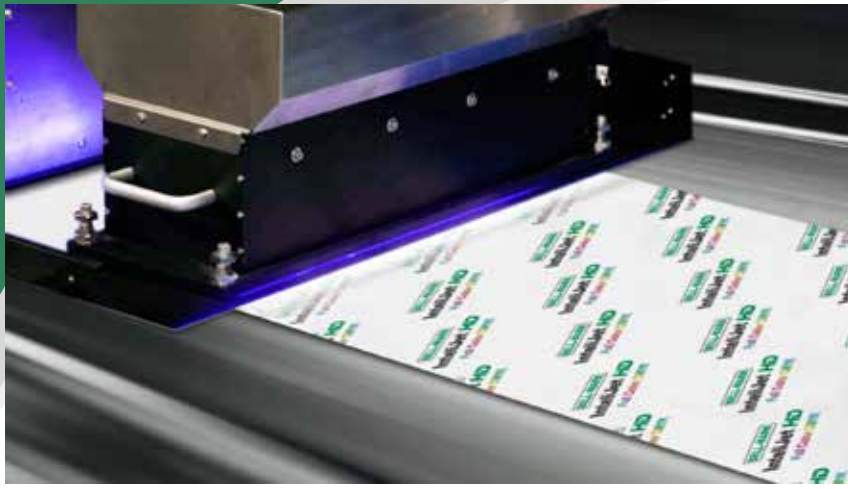


Diagram of a multi-printer converting application



**Ultra-Fast, Continuous Motion Printing.** The IntelIJet HD can keep up with the demands of high-speed converting lines with its continuous motion printing that's capable of reaching **print speeds over 150m/min**.

**Wide-Format Printing.** The HD's expansive print area is a game-changer for the converting industry, providing stunning multi-color print with **over 600mm of effective print width** from one system. For extra-wide print applications, seamlessly integrate multiple HD's together to create virtually unlimited print widths, allowing you to tackle large, complex projects with ease.



**UV Ink Curing System.** The HD uses UV-cured inks and state-of-the-art UV LED technology to cure and protect the ink as it prints, guaranteeing lasting print quality. Curing the ink greatly increases durability and the types of surfaces the HD can print on.

**Network Connectivity:** Connect to an ERP system and utilize a Hot Folder to utilize label software like Prisym, Labelview, Bartender and more. Network connections include Ethernet, TCP/IP, OPC UA (Can be client or server), Serial (RS232), Hot Folder and more.

**Advanced User Interface.** Control all aspects of the printer from the HMI. Make changes to your artwork and swap print labels in seconds, eliminating the need for costly print plates with long lead times.

- » 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 provides a convenient way to view tutorial videos with step-by-step instructions on how to perform maintenance tasks.

**Remote Connection.** The IntelIJet HD has remote connection capabilities. Request remote training and support directly from the BELL-MARK team, only requiring an Internet connection.



## Print on almost any type of surface!



## Unwind-Rewind Systems

Print entire rolls of material on-demand with our custom-built Unwind-Rewind solutions. Engineered to deliver exceptional performance, these systems feature cutting-edge technology that ensure precise web tension control, even at high print speeds. Each system is custom-built to handle the specific size and material of your product.



Scan for more info  
& videos of the  
IntelIJet HD

## Thermal Inkjet 4.0 Solutions



Up to  
88mm  
Total  
Print  
Width

# IntelJet LPC

Featuring the latest innovation in thermal inkjet technology (TIJ 4.0), the IntelJet LPC provides the **most cost-effective solution for printing on porous materials**, with ultra-fast print speeds, incredible print quality, and a large ink reservoir that reduces downtime significantly.

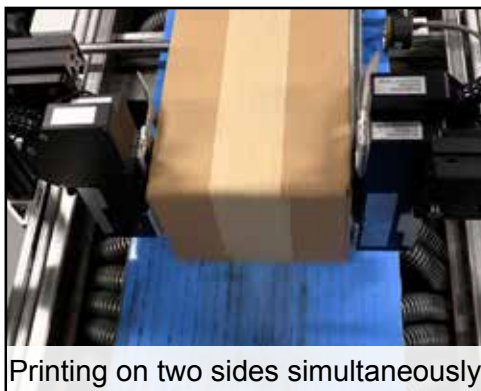
- 600x1200 DPI print quality
- Print speeds up to 182m/min
- 22mm print width (up to 88mm with 4 stitched heads)
- 7mm throw distance
- Integrated ink system with a large 775mL ink reservoir
- Touchscreen HMI with built-in label creation software
- 3.5 - 4x cost reduction compared to TIJ 2.5

Control up to four print heads from a single system with a large ink reservoir that minimizes maintenance. Swap the ink reservoir when depleted to resume production within seconds. Stitch the print heads together for 88mm total print width, or separate them to print in multiple areas simultaneously from the same system.

Easily create and edit your print files directly from the HMI with built-in label creation software. Eliminate the long wait times needed for ordering expensive flexographic print plates that must be remade for each artwork modification.



4 Head LPC



Printing on two sides simultaneously



Single Head LPC

# Next-gen Performance in Case Coding

**Both Sides 2 x 44mm**

**22mm Print Head**  
Print Heads can be stitched together for seamless tall images up to 88mm, or individually placed for coding on two sides of a box.

**3.0m or 0.7m Umbilical**  
Carries ink and electrical signals.

**775ml Ink Supply**  
A large capacity ensures minimal operational costs with little operator intervention. Changeover of the cartridge takes only seconds.

**LPc Enclosure**  
Integrated controller with a 295mm (11.6") color touchscreen, and Vega software installed.

**Label Creation Software**  
With its intuitive interfaces and solid, dependable functionality, BELL-MARK's label creation software is a high performer in the industrial printing systems arena. Create and manage print templates, and monitor production in real time.

## Possible LPc Configurations



Single Side 22mm



Single Side 88mm



Both Sides 2 x 22mm



Scan for more info & videos of the IntelliJet LPc

Thermal Inkjet Solutions

# InteliJet TS

## Thermal Inkjet Print Head



The ideal solution for printing any variable data such as Dates, 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 within 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.** Control up to 16 TS print heads from a single user-friendly touchscreen. The 10.4" (264mm) screen makes it easy to create and manage print files with the built-in label creation software, eliminating the need for costly print plates.

Monitor a wide range of printing 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.



# InteliJet TS i

**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 7" (178mm) touchscreen of the HMI provides essential features to monitor operating conditions including ink level and job counts.



Scan for more info  
& videos of the  
InteliJet TS

# A great alternative to CIJ printing



4 Head CIJ Printer needs 4 Controllers

Thermal Inkjet offers many advantages over CIJ printing.

- ZERO maintenance
- New print head with each ink cartridge
- Control up to 16 print heads with one HMI
- Does not take up any floor space
- Better print quality

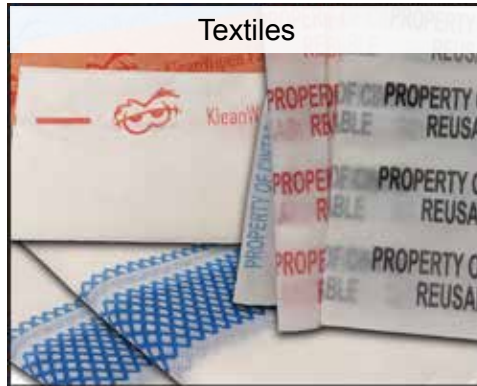


4 Head TIJ Printer needs 1 Controller

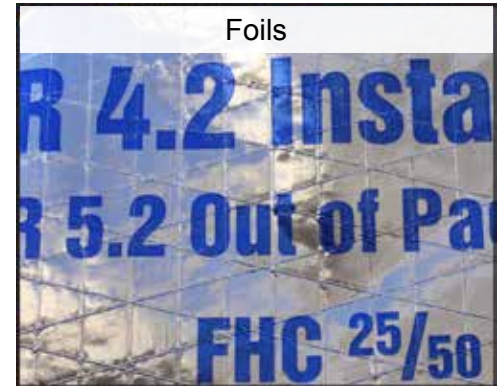
## Solutions for All Types of Products

Print on a wide range of materials, including:

- Paper-based Products
- Corrugated Materials
- Plastics
- Wood Products
- Strapping
- Foils
- Textiles



Textiles



Foils



Plastics



Strapping



Paper-based Products

## Solutions for Every Application

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

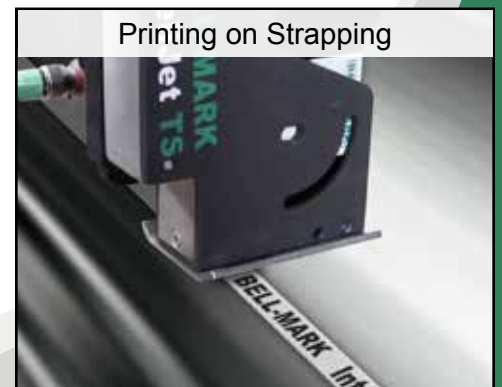
- Extruding Operations
- Bag Making Equipment
- Sheeting Machine
- Die Cutter
- Slitter / Rewinder
- Web Converting
- Folding & Gluing Machines
- Adhesive Coaters
- Extrusion Coating Machines
- Extrusion Blow Molding



Printing on PVC Pipe



Offline Conveyor



Printing on Strapping

# Benefits of Digital Printing Solutions

IntelliJet TS printing at 271 meters per minute



## High-Speed Printing

Our digital printing solutions are fully capable of keeping up with the high demands of the converting industry, with ultra-fast printing speeds that can reach over 700m/min. Switch to digital printing and maximize the potential of your production line.



Swapping a TS ink cartridge can be completed in seconds, minimizing downtime significantly.

## Low Maintenance

Minimize downtime, reduce supply costs, and increase production. All digital printers require minimal maintenance and are effortless to maintain. Keep production running at max efficiency without worrying about constant upkeep or expensive repair costs.



## Extreme Versatility

Say goodbye to costly print plates. Digital printers can swap print files in seconds right from the print controller, allowing users to easily make adjustments to their artwork, eliminating the long wait times needed to order a new print plate each time a change is made to the artwork. Digital printers can also print on a wide range of surfaces.



## Multi-Color Printing

With the IntelliJet HD's stunning full color CMYK print capabilities and the TS's wide range of ink colors to choose from, the range of possibilities are endless. Maintain your brand identity and print exactly what you envision for your end product without the need to compromise due to the limitations of your printer.



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