

BELL-MARK

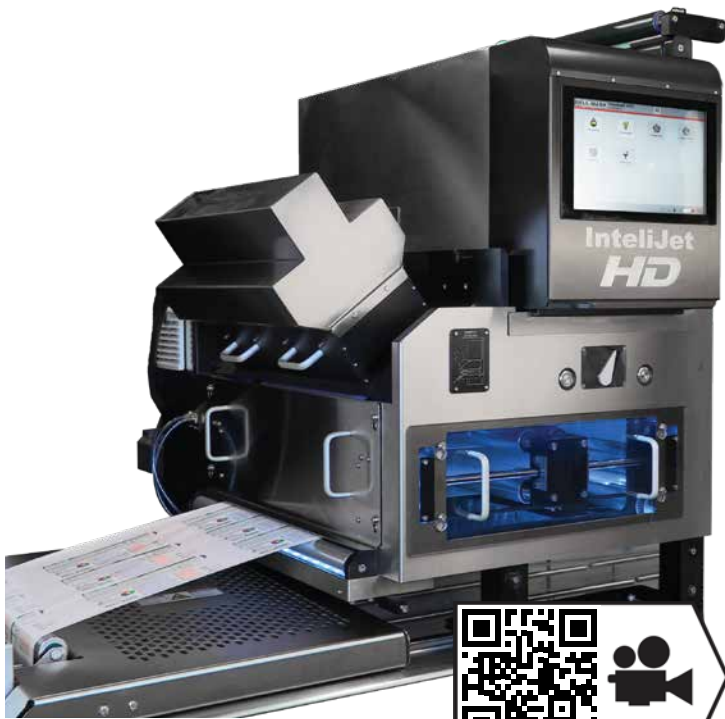
InteliJet *HD* TM 3

**Flexible, Reliable, High Speed, High Definition,
Full Color CMYK Piezo Inkjet Printing System**



Utilizing the world's most advanced piezo inkjet print head technology, the **InteliJet *HD* 3** meets increasingly rigorous demands for printing full webs, dates, times, bar codes, graphics, serial numbers and text in Monochrome, 2 Color and Full CMYK color on coated and un-coated packaging web materials.

- 600 x 600 DPI print head
- Available in single color, two-color, & full CMYK color configurations
- UDI compliant print solution can be retrofitted to existing packaging machines
- LED UV-curable or water-based inks for printing on most substrates
- Configurations - **3A** Accumulator **3S** ServoWAS **3T** Traverse **3C** Continuous **3R** Reel-to-Reel



IntelIJet *HD* 3s

Servo Web Advance Piezo Inkjet System

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



Traversing Piezo Inkjet Printer



Diagram illustrating the printer traverse path across four columns. The columns are labeled **PRINT AREA**. Red arrows indicate the direction of the traverse, showing a zigzag pattern across the columns.



InteliJet *HD* 3R

Reel-To-Reel Piezo Inkjet Printer



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* 3A

Accumulator Piezo Inkjet Printing System



HD Accumulator
Video

High-speed printing over 100 CPM. Print on all types of flexible web materials in the Pharmaceutical & Medical Device packaging industries.



InteliJet *HD* 3c

Off-Line Continuous Motion Feed & Print System

Feed & print
empty packages
& packaging
components

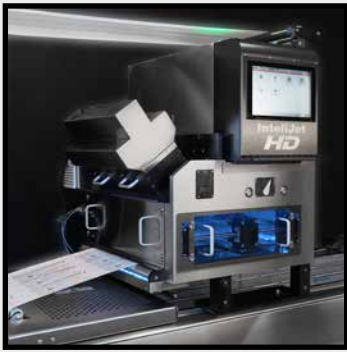
Designed for conveyor & converting applications.

The HD Offline 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 Offline can accommodate a wide range of different products.

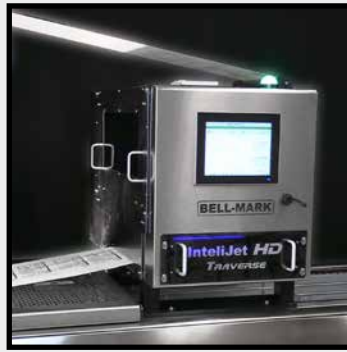


HD Offline Video





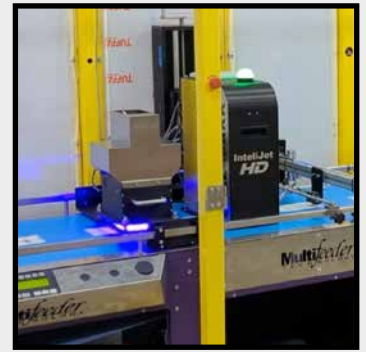
IntelJet HD 3s
on a HFFS



IntelJet HD 3T
on a HFFS



IntelJet HD 3s on a
Pharma Blister Pack Machine



IntelJet HD 3c
on a Multifeder

Benefits:

Efficient Workflow: As a fully integrated multi-color VDP (Variable Data Printing) ink jet system, the **IntelJet HD 3** works seamlessly with its PC based print design software and touch screen controls to achieve an easy to use VDP workflow.

- **Lowers TCO over other printing systems.**
- **Little to ZERO maintenance costs.**

The **IntelJet HD 3** offers a simple and flexible workflow with both on-line and off-line modes. Users can print VDP jobs directly from the client PC.

The **IntelJet HD 3** software also enables users to design and modify the print output templates using its extensive array of editing tools.

Features

Print Head Module

- Up to 12 - Print Heads
- Standard - Up to 630 mm of effective print width (Customized for increased width)
- 600 DPI Printhead
- UV Ink Compatible.
- 4-Drop Sizes (6,7,11,14 pL)
- One, Two or Full color CMYK

Integrated Ink System

- Unique **BELL-MARK** Design.

Print System Controller

- Advanced Control of Every Aspect of the Print and Print Head.
- Multi-Head Support.
- Multi-Resolution Support.
- Full Control of Print Head Heater Temperature.
- Full Control of Print Head Grey Levels.

UV Curing System

- Allows for printing on almost all surfaces.
- LED Technology for Long Life and Reduced Power Consumption.
- Ozone Free Operation (No External Venting Required).
- Air-Cooled, Requiring no External Compressed Air or Water for Operation.

Networking

- Ethernet, TCP/IP, OPC UA (Can be client or server), Serial (RS232), Hot Folder, and more.

Print Control and Layout Software

- **BELL-MARK** Layout / Label Creation Tool Featuring the Following Specifications:
 - Multi-Image Importation, Resizing, and Rotation.
 - Step and Repeat Function.
 - Supports all the Most Common File types (BMP, TIFF, JPG, PNG, GIF, PDF).
 - Supports all types of Variable Information (Text, Barcodes, Date Codes, Serialization).
- Supports, Text File and User Entry Data Sources.
- Supports Over 80 Types of Barcodes Including:
 - GS1-128, GS1-DataMatrix (2D)
 - EAN 13, EAN8, EAN14
 - Code 39, Code 128
 - UPC A
 - SSCC18
 - PZN
 - QR-Code

3S - Web Advance Module

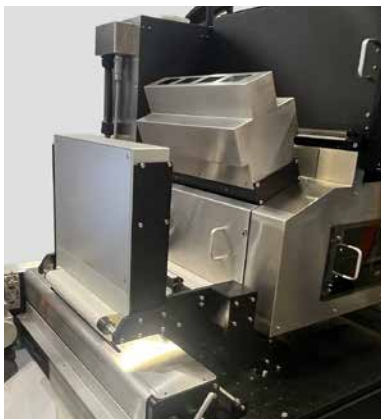
- Web Shuffle Mechanism Facilitates Instant Curing Even When Mounted on an Intermittent Motion Host Machine.
- Intelligent Servo Motor Provides Precise Closed Loop Positioning for Accurate Print Registration.

3A - Accumulator

- Tension control of material
- Print Eye Marks on demand
- Multi-Servo control

Optional Vision Inspection Solution

Directly integrated into the **IntelJet HD 3** UI for a truly all-in-one solution that provides 100% in-line inspection and barcode grading with optional integration to a customer ERP or labeling solution.



Vision Inspection System



Integrated with **HD 3** HMI

Specifications:

- Print widths from 108 mm up to 630 mm wide.
- Print speeds up to 150 M/min.
- UV cured ink, water-based dye and pigmented inks, or MICR ink.
- Instant Start Up & Instant Shut Down.
- UV Curable Inks for superb print quality on any substrate including poly, foil, medical paper, Tyvek, etc. Can even print on the seals with no adverse effects to the print or the seal gasket.
- LED Lights for ink curing reduce energy consumption, have extremely small footprint, and has NO hazardous by-products.
- 600 DPI print heads print completely legible fonts at 3-point font size including Asian characters.
- Network capable.
- Completely programmable with auto date calculations, barcodes (GS1 data matrix, linear barcodes, etc.).
- Built in Barcode Width Reduction feature for high quality barcodes on porous substrates.
- 208V 3-Phase 30A.
- Remote Service Capable.
- Auto Purge, Wipe & Capping.