

BELL-MARK

InteliJet **HD** 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.

InteliJet *HD* 3

- The **InteliJet *HD* 3** is a Piezo Drop on Demand digital printer that will print all artwork including variable information on demand directly onto the top web material.
- Available **Single Color, Two Color, & Full CMYK Color** configurations allow the customer to have almost limitless print capabilities for existing and future business.
- UDI & EUMDR compliant print solution that can be retrofitted to existing packaging machines.
- LED Curable or Water Based Inks for printing on most substrates.
- 600 x 600 DPI Print Head
- Lowest Cost of Ownership Compared to Other Printing Systems
- Connect to Customer ERP system and through a hot folder can utilize existing label software like Prisym, Labelview, Bartender, and more.
- Configurations - **3A** Accumulator, **3S** ServoWAS, **3T** Traverse, **3C** Continuous

InteliJet *HD* 3s

ServoWAS Piezo Inkjet Printer

with stationary print heads

Integrated Ink System
Unique BELL-MARK Design

UV Curing System
LED Technology for Long Life and Reduced Power Consumption

Web Advance Module
Intelligent Servo Motor Provides Precise Closed Loop Positioning for Accurate Print Registration

Automatic Splice Detection
Automatically Retracts and Protects Print Heads From Web Splices Without Stopping Production

Print Head Module
Available in One to Full CMYK Color Configurations



InteliJet HD Video

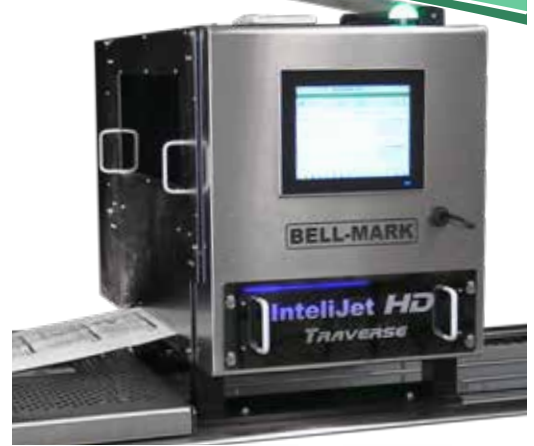
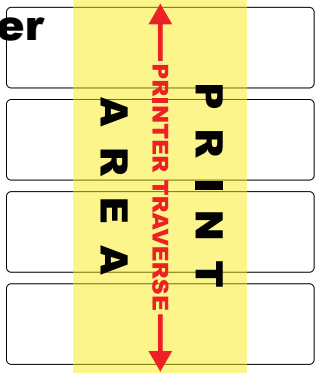
IntelIJet *HD* 3T

Traversing Piezo Inkjet Printer

A perfect fit for applications with short indexes combined with a wide web or applications with pre-printed web with the need to print UDI & other variable data.



HD Traverse Video



IntelIJet *HD* 3A

Accumulator Piezo Inkjet Printing System

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



HD Accumulator Video



IntelIJet *HD* 3C

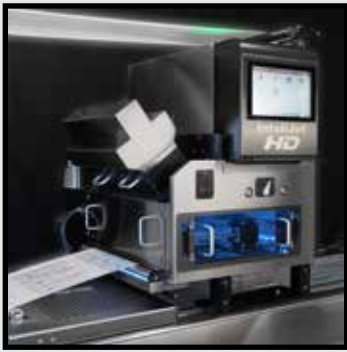
Off-Line Feeder Printing System

Feed and print empty packages & packaging components

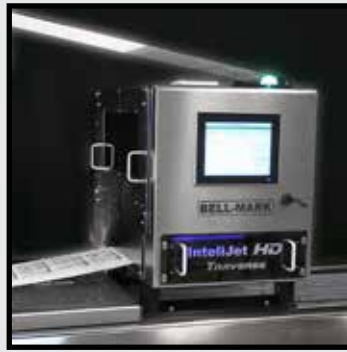


HD Continuous Video





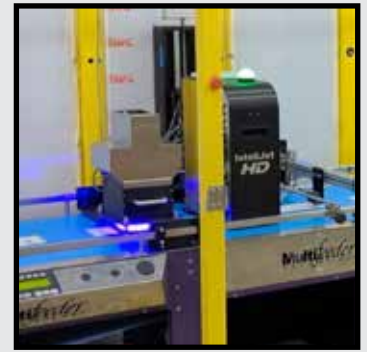
IntelJet HD 3s
on a HFFS



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 630mm 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

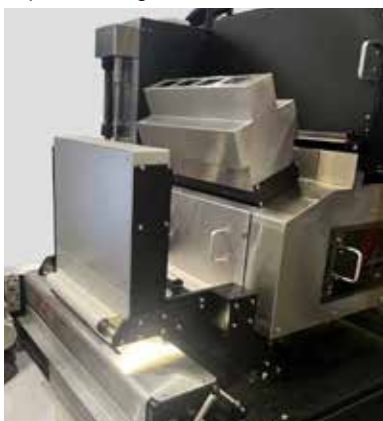
- Web Shuffle Mechanism Facilitates Instant Curing Even When Mounted on an Intermittent Motion Host Machine.
- Intelligent Servo Motor Provides Precise Closed Loop Positioning for Accurate Print Registration.

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 108mm up to 630mm 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.