



High Throughput Industrial Digital UV Inkjet Printer System

This state-of-the-art, high-speed industrial Digital UV printing system is uniquely suited to a wide range of applications including, but not limited to, plastic substrate materials, sheet metal and carton containers.

Print Features and Modes

- Up to 720 x 720 DPI in *two, four* and *eight* pass modes (*360 x 360 DPI modes available*)
- Configurable print head carriage, fixturing up to 24 XAAR 1001 print heads
- Dual head configuration can print swaths up to 140 mm wide in a single pass
- Print profiles are digitally stored and instantly recalled to increase productivity
- Standard 72" x 36" print tray



Precision TwIndex® Print Control

- Patent-pending TwIndex® positioning system increases efficiency and product throughput, optimizes ink jet print work time and results in the most effective industrial UV inkjet system available today
- Independent loading/printing/unloading of multiple trays for continuous throughput of printed product
- Precision industrial twin linear servo motor drives with 1 micron encoder resolution, achieves the highest quality print standards in today's industry



Continuous Tray Flow Using Twin Precision Index Drives

Print Format and Speeds

- 72" wide continuous print zone
- Prints products up to 10" high with a servo controlled print carriage
- Print modes exceeding 1000 sq. ft. per hour
- White, CMYK and Clear inks are printed simultaneously, increasing printing and coating throughput



Modular Print Head Carriage

Highest Quality Industry System

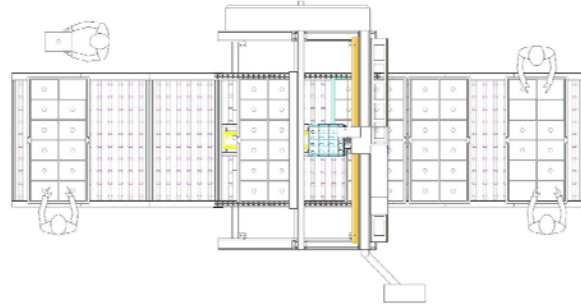
- Industrial construction, precision heavy-duty machine and system
- Industrial Controls
 - A. Allen Bradley Compact Logix PLC with motion control
 - B. Precision linear drive stage motors with 1 micron feedback resolution
 - C. 22" industrial touch screen HMI
- INX Manufacturing Hardware print engine components
- XAAR 1001 inkjet print heads
- Phoseon Technology LED pin and final UV cure sources
- Enercon Industries pretreat solutions (*optional*)
- *Integrated Material Handling Solutions available for your product decorating application*



ADDITIONAL FEATURES

Human Machine Interface (HMI)

- Production file management
- Print Recipe Management
 - A. Print Mode (*resolution and passes*)
 - B. Print Carriage and UV cure height settings
 - C. Pin and Final LED cure UV power settings
 - D. Print profile configuration data
- On board machine diagnostics and documentation
 - A. User maintenance and print engine diagnostics
 - B. Operation manual, schematics and assembly drawings



TwIndex® with straight line pass conveyor. Available with optional material handling conveyors to improve throughput.

Industrial Ink System

- **Bulk Ink Supply Subsystem:** Easy access bulk ink access system for housing one or five liter containers to allow for economic delivery of ink to the print engine. Built in ink level, temperature and pressure control settings. Agitator included for white ink well to keep high solid suspension ink evenly mixed for precise control applications.
- **Precision Ink Delivery System:** Precision on board PID temperature controlled sub ink systems (*for each color and coating type*) to heat and regulate fluid to specified set point temperatures and vacuum settings. Ink is cycled constantly through the modular print head module to ensure print quality is sustained during demanding industrial print applications
- **Ink System Control Software:** Integrated PC-based software application to allow easy access to Sub Ink Delivery System status and control set points configuration data. Elaborate software tools are included to manage inks through set up, production and shut down sequences.

Final UV Curing Station

- Industrial Solid State Air cooled UV LED for final curing of inks and coatings
- Automatic positioning to advance product trays from the print zone to the final cure zone

Environmental Printing Specifications

Operating Temperature	18 to 32 °C (65 to 90 °F)
Humidity	40 to 80% Relative Humidity Rh <i>(no condensation)</i>
Environmental	Dust and debris-free, clean, dry
Storage Temperature	0 to 50 °C (32 to 120 °F)

General Overall Machine Specifications

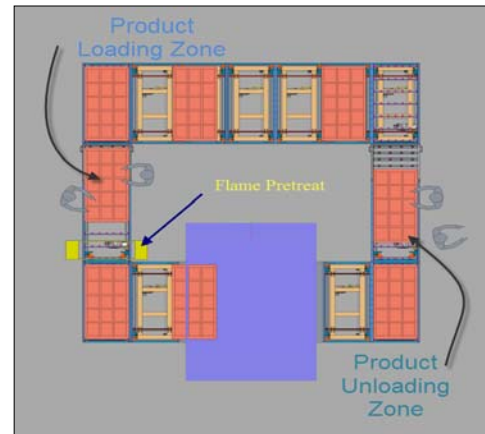
Power Requirements:

Electrical: 480 VAC, 3P, 50/60 Hz, 60 Amps
380 VAC, 3P, 50/60 Hz transformer option available

Pneumatic: 90 PSI @ 2CFM

FOR FURTHER INFORMATION

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Optimal System Layout With Pretreatment