XD70

Single-Pass Inkjet Printer

XD70 Multi-Color Industrial Digital Inkjet Printers are "image direct" from computer to print. The perfect solution for variable data or for short or long runs with quick changeovers. These digital inkjet machines are ideal for multi-color printing on flat or semi-flat surfaces on a variety of substrates, and can be customized to meet your needs.

- ▶ *Continuous multi-color printing in single pass.*
- ▶ *High quality CMYK images using grayscale technology.*
- ▶ *Product height and width to 12 inches.*
- ▶ *4-color with white undercoat integrated RIP available with variable image data software.*
- ▶ *Drop-on-demand InstaCure UV ink allows printing up to eight colors with zero down time.*
- ▶ *Fine line and details at 16 inches per seconds/ 360 dpi.*
- ▶ *Automatic parts handling, pre-treatment and vision systems options available.*

▲ *Fine lines and details at 16 inches per second*

◀ *This inkjet system is capable of printing 45,000 bottle caps per hour with CMYK, in a single pass. Conveyor feeds parts directly into a counter/accumulator packaging system*

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Specifications

Maximum Print Width	2.78 inches (70.56 mm) more per request
Maximum Print Length	24 inches (610mm) more per request
Maximum Product Dimensions	HT: 11.8" (300mm) more per request W: 11.8" (300mm) more per request L: Application dependent
Maximum Print Speed	16 inches per second
DPI	360 dpi, single pass, single head, grayscale
Number of Print Heads	1-8 dependent upon customer needs, more per request
Ink Type	Liquid UV
Supported Color Configurations	CMYK Also: Spot colors- CMYKWS1S2S3, CMYKS,etc White for undercoat: CMYKWW
Pretreatment Options	Flame Corona Plasma Cleaner: Air Knife and/or Brush
Safety Exhaust	Exhaust blowers to remove fumes and heat. Ozone destruct (optional)
Accepted Image Data	Monochrome, Color or prepared color separations: A variety of common image formats are accepted for all image files, to include; .*.jpg,*.tif, & *.bmp

W Binary Ink Jet Print Quality — Other image file formats may be supported when used with EPSVT's color management software.

W Grey Scale Ink Jet Print Quality — All image formats will be internally converted to 8-bit bitmap format at 360 dpi.

Grey scale variable drop technology improves fine lines and details — For optimal quality - especially when handling customer generated color separation files - submission of image files in bitmap (bmp) format, 8 bit or higher at resolution of 360 dpi is recommended

Image Processing Software	Optional Integrated RIP, Color Management, Variable Data
Software Features	Job and Print Queue Management Diagnostics (both local and remote)
Human Machine Interface	Industrial Touch Display including on-screen keyboard
Ambient Temperature	65F to 90F
Physical Space	114" x 84" 106"
Compressed Air Supply	Minimum 80psi required
Power	240VAC 50/60Hz 3-Phase, 20 Amps required
Humidity	35-65%

*Machine dimensions will vary depending on optional equipment added.

Machine specifications are subject to change without notice.

Features

- 10 ft Servo-Driven Conveyor Feed System with continuous/intermittent operational modes.
- Bulk Ink Supply System for each print array with ink level sensor detection and auto refill.
- Print head maintenance station/waste tray
- Industrial PC, UI, UPS
- Printer Assembly Stand and safety enclosure
- Emergency Stop Switches/Interlocks
- Z-axis servo control for automatic height adjustment for each station based on product height.
- UV Curing Head Assembly and power supply mounted directly behind the print array with array protection and shutter system.
- Adjustable power levels.
- Print jobs (SKU numbers, scanned in routers) entered manually or by barcode scanner.
- Local and remote diagnostics/ logging, fault detection.
- Remote/Customer interface digital Ethernet/IP
- Space available for load/off-load, vision/eject stations for customer integration.
- Ventilation hookups for customer supplied vent system.