Videojet® BX6000 Series

Binary Array Ink Jet Printers

- ***Fast drying inks enable printing on broad range of materials***
- ***Line speeds up to 967 feet per minutes (295 m/min.) for exceptional throughput***
- ***Dual 2-inch printheads from one cabinet provide maximum flexibility***
- ***Optimum print quality during continuous operation ensured via auto-phasing function***

Versatile, Dependable High Speed Printing

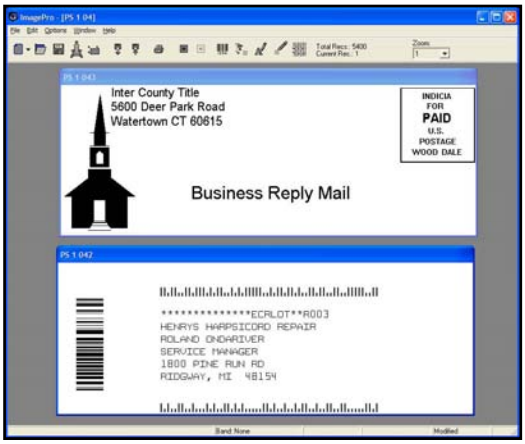
The Videojet® BX Series Binary Array Ink Jet Printers

Throughput is the name of the game for your business — the more jobs you can print, and the faster you get them done, the more money you make. The BX6000 Series printers are designed to let you print an unlimited variety of jobs — quickly and reliably. Whether it's basic addressing of mail pieces or more complex printing of graphics and logos on difficult to print on substrates, the BX6000 Series printers provide unparalleled value to your operation.

The Videojet BX6000 Series printers have a 2-inch (51 mm) print band. A dual-head configuration that operates off a single print engine provides the ability to print four continuous inches (102 mm), or separate the heads to print on different areas of the target piece, i.e., an address and indicia. With a 128 x 256 dpi resolution, the BX6000 Series printers provide solid print quality for addresses, maps and other basic graphics, promotional messaging, loyalty cards and a wide range of other applications.

Get Up and Running Quickly and Keep Performing

A computer initiated start-up sequence minimizes manual operator procedures and gets you into print mode in a matter of minutes. Print shut down is just as simple, with a couple of quick mouse clicks doing nearly all the work. To ensure maximum print performance, previous generations of binary array printers required operators to periodically stop the line and run a phasing routine. The BX6000 Series is all about uptime, utilizing an automatic phasing process that optimizes print quality without any operator intervention.



Prints on Your Choice of Substrates

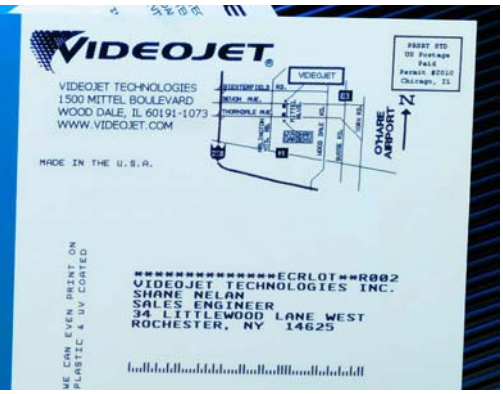
Videojet offers a wide variety of fast drying inks ranging from MEK to acetone, which means you can expand your business to include jobs printed on aqueous or UV coated or other difficult to print high gloss stocks. Print dries to the touch in one second — unassisted — so you can eliminate dryers and their associated high energy costs. Red, green and blue inks enable you to add a splash of color to the print job, and specialty inks are available for printing on plastic cards and for unmatched bar code readability. We design Videojet fluids for optimum performance in our printers, providing reduced operating costs, increased uptime and maximum print quality. Five-liter ink and make up reservoirs provide longer, uninterrupted production runs, and our TotalSource® program can offer significant savings on Videojet fluids.

High-Speed Digital Printing

Clocking in at 967 feet per minute (that translates to over 50,000 mail pieces per hour with in-line automatic mail sorting), the BX6000 Series printers are ready to take on your fastest throughput (including verified readable Postnet bar codes printed at over 700 feet per minute!). Whatever your imaging requirements – addressing, ingredient statements, bar codes – the BX6000 Series delivers high image quality for your high speed application.

The Perfect Combination

An often overlooked element of print quality is the paper path. Videojet's Cheshire® line of ink jet bases provides unmatched performance in vacuum transport and friction feed technology, with benchmark features like independent feeder speed and transport controls, automatic space control and Feeder Sort Control to provide a visible gap between batches. Designed to provide vibration-free superior media control, a Cheshire base and BX6000 Series printer deliver an unbeatable combination when high quality print is required.



Dual Printheads for Maximum Flexibility

Flexible Configurations and Universal Compatibility

The BX6000 Series printer can be used as a stand-alone printer or as part of an in-line printing application. The BX6000 system can be integrated with a variety of production equipment – web presses, bindery, production lines – whatever your application, this printer can handle it. The compact design of the printhead, a 20' (6 m) umbilical, and the ability to print in any angle (360° rotation), even straight up, means you can produce your digital image on just about any substrate in just about every in-line application imaginable. For bindery applications, position one printhead upside down underneath the plow station, and add a second printhead printing at 90° — on the same plow station! You can even roll the BX6000 Series printer from job to job as necessary.

High Reliability Plus Durability Equals High Productivity

Why pay for unnecessary spare components? The BX6000 series printheads are built to last – not intended to be "consumable" items. Designed to last the life of the system, our printheads have no hour meter and do not require replacing or refurbishing. In short, the BX6000 series were designed to withstand the most rugged applications. From our corrosion- and solvent-resistant stainless steel IP 54-rated cabinet to our permanent printhead nozzles, the BX6000 systems are built to last.

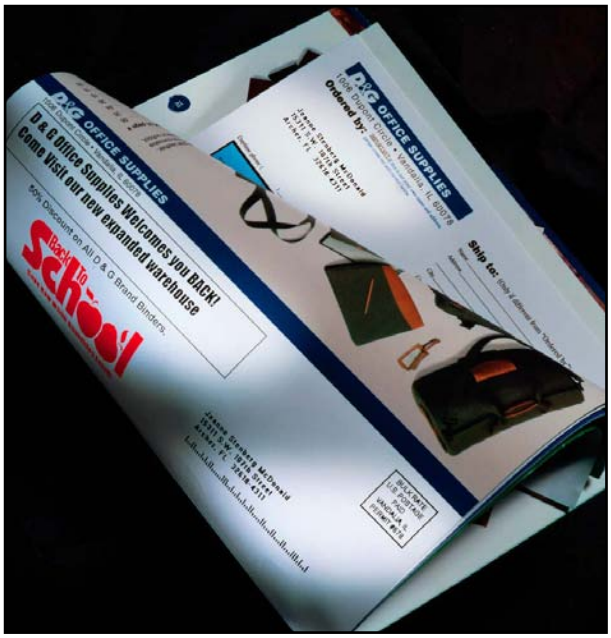
Videojet TotalSource® Services

The ***Total***Source program is the finest and most complete technical support system in the business. These services include everything from expert applications assistance, operator training and a full spectrum of maintenance services. The ***Total***Source program ensures total customer satisfaction.

Support when you need it

The Experienced Leader in Fast-Drying Digital Printing Systems

With over 2,500 digital printing systems installed worldwide, Videojet Technologies Inc. draws from a wealth of experience to produce the world's best high-speed, quick-drying digital printing system. The BX6000 series printers stem from prestigious lineage, carrying on the tradition of quality and performance.



Videojet e-Commerce

Today, US customers enjoy the speed and convenience of the Videojet e-commerce system. You can order Videojet parts and accessories at the speed of demand, 24/7. You can also check your purchasing history and shipping information instantly. With the click of a mouse, the boundaries of procurement have been removed.

Click. Buy. Done.™

Order on line at www.videojet.com

Videojet BX Series

Binary Array Ink Jet Printers

Specifications

Print Specifications

Resolution
128 (Vertical) x 256 dpi (in the direction of travel)

Print Speed
967 feet/minute (295 m/min.), image dependent

Print Height
2 inches (51 mm) per printhead, up to two printheads per cabinet

Graphics
Downloaded monochromatic Bitmaps in standard pcx format

Fonts
Windows® TrueType® fonts

Bar Codes
Postnet, Planet Code, UPC, EAN, Interleaved 2 of 5, Code 39, 128

Character Rotation
Reverse, Mirror, Invert, Invert/Reverse and 90 degrees

Throw Distance
1/16" - 1/4"

Applicable Substrates
Non-coated and coated (including Aqueous and UV coated) and plastic

Controller & Software

Processor
Celeron 733 MHz

Memory
64 Mb RAM

Operating System
Windows® NT 4.0

Hard Drive
80 Gb

Network Connection
10/100 Mb Ethernet

Standard Controller Configuration
One ISA card with 3 channels for printheads or I/O

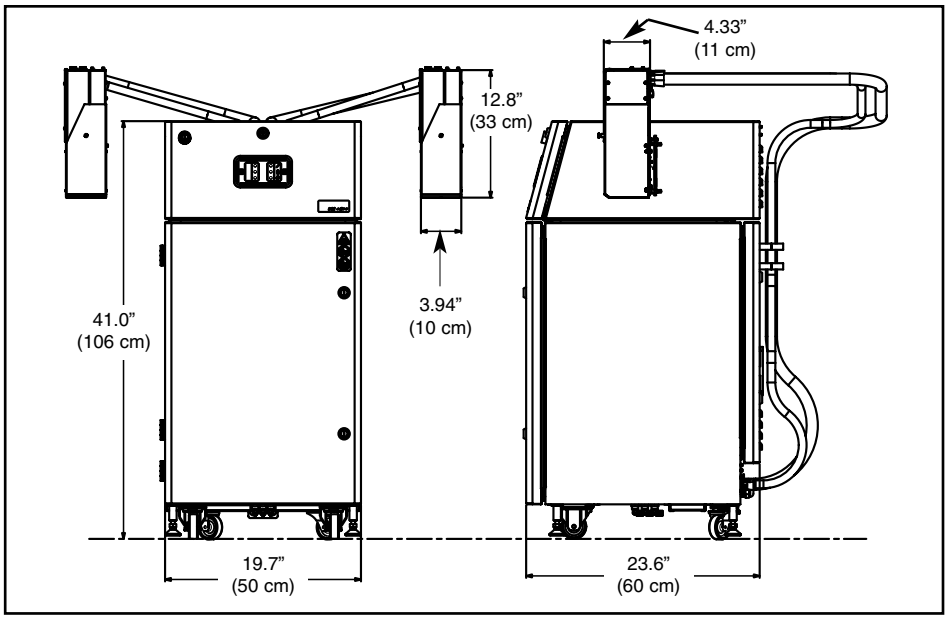
Controller Expansion
Up to 2 additional ISA cards 3 channels for printheads or I/O

Layout Software
ImagePro™– provides WYSIWYG representation of the print area layout (standard)

Production Software
Printhead and system controller programs for print set-up and monitoring of the print job (standard)

Diagnostic Software
Inspector™ – provides monitoring of a variety of operational parameters and manual override capabilities (optional)

Data Formats
Fixed Field, Fixed Record



Fluids

Capacity
5.3 liter permanent reservoirs for ink and make-up

Ink Types
MEK, Acetone, Ethanol, Acetone/Ethanol Blend

Colors
Black, Red, Blue (Acetone only), Green (Acetone Only)

Fluid System
One per head, enabling multiple colors on a multi-head printer configuration

Special Purpose Inks
Black MEK versions for optimized bar code readability and additional plastic card adhesion

Electrical

Power Requirements
220 - 240 VAC 50/60 Hz or 120 VAC 50/60 Hz, Single Phase

Current Draw
8 amps

Operating Temperature
40° F (4°C) to 100° F (38°C)

Humidity Range
10% - 80% RH non-condensing

Cabinet Rating
IEC IP54

Ventilation
Recommended at the printhead

Mechanical

Cabinet Dimensions
41" (105 cm) H x 19.7" (50 cm) W x 23.6" (60.0 cm)

Printhead Dimensions
12.8" (33 cm) H x 3.94" (10 cm) W x 4.33" D (11 cm)

Cabinet Material
304 Stainless Steel

Printhead Material
305 Stainless Steel

Positive Air
40/80 psi (15/30 liters) min. consumption

Umbilical
19.7 feet (6 m) in length

Printhead Orientation
Vertically down, vertically up, or any angle between 0° and 180°

Regulatory Approvals
UL E158798
CE
EC EMC directive 89/336/EEC

CE UL LISTED CERTIFIED ISO 9001 DOCUMENTED QUALITY

Optional Accessories

Stand-Alone Mount
Stand-Alone Cleaning Station
Product Detector
Shaft Encoder
Multiple Printhead Kit
I/O Kit for External Line Control or Batch Sorting

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