



## Professional Packaging Systems

2010 S. Great Southwest Parkway  
Grand Prairie, Texas 75051  
[www.ProPac.com](http://www.ProPac.com)

## Contact

Our Packaging Experts  
[solutions@propac.com](mailto:solutions@propac.com)  
888-318-0083

# Videojet BX 6500 / 6600 Binary Array Addressing Printing System



## At a Glance

- High-speed commercial addressing printing system
- High-resolution on variety of stocks
- Print on coated stocks at production speeds
- Enhanced software and I/O options

## Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

## Addressing System Delivers High-Quality Print

The Videojet BX Series Binary Array inkjet addressing printer delivers versatile, dependable high-speed digital printing for increased productivity.

## Print More Jobs Faster

The Videojet BX6500 provides one printhead with a 2-inch (51mm) print band running at speeds up to 1970 feet/minute (600mpm).

For even greater throughput, the BX6600 offers a dual-head configuration operating off a single print engine.

That's four continuous inches (102mm) to print graphics and text in a single pass. The heads can also be separated for printing on different areas of the target piece.

## Print Versatility

Native 128 x 128 dpi and up to 128 x 256 dpi (with an encoder adjustment) resolution delivers solid print quality for addresses, maps, graphics, promotional messages and a wide range of other applications.

Basic addressing of mail and more complex printing of variable graphics, logos and 2D barcodes.

Delivers unparalleled value and flexibility for printing on difficult substrates such as glossy stock and UV coatings.

## Get Up and Running Quickly and Keep Performing

A computer-initiated clean start-up sequence minimizes manual operator procedures and gets into print mode in a matter of minutes.

An automatic phasing process optimizes print quality and uptime without any operator intervention.

An economical and efficient use of solvent is driven by an integrated temperature-controlled viscometer and solvent condenser.

## Prints on Your Choice of Substrates

A wide variety of fast drying inks are available, ranging from low VOC acetone to MEK. This allows expanded print capabilities including jobs printed on aqueous coated, UV coated and other difficult-to-print high-gloss stocks.

Videojet fluids are designed for optimum performance, providing reduced operating costs, increased uptime and maximum print quality.

Unassisted dry time of one second eliminates dryers and their associated high-energy costs.

Red, green and blue inks enable the addition of color to print jobs.

Specialty inks allow for printing on plastic cards and unmatched barcode readability.

## Benefits

### Exceptional Throughput on Complex Jobs

One or two printheads with 2 inch (51 mm) print bands at speeds up to 1970 fpm (600 mpm).

A single Crescendo Controller controls one or two BX6500/6600 cabinets with up to four printheads.

Dual job capability to place each head on a separate line – both controlled by one Crescendo controller.

Or complete a single job in half the time.

### Fast-Drying Inks Print for a Broad Range of Materials

Wide variety of fast-drying inks available, ranging from low VOC acetone to MEK.

Print capabilities include printing on aqueous coated, UV coated and other difficult-to-print high-gloss stocks.

### Built with Solvent and Corrosion-Resistant Stainless Steel

Designed to last the life of the system, the BX6500/6600 Series printheads are built to last and not be consumable items

BX6500/6600 series printers are designed to withstand the most rugged applications

System includes corrosion and solvent resistant stainless steel IP5X-rated cabinet and printheads.

## A Simple-to-Use Powerful User Interface

Videojet's Crescendo Controller is a simple to navigate operator interface that comes standard with password protected sign-in levels to ensure appropriate access.

A single Crescendo Controller can control one or two BX 6500/6600 cabinets with up to four printheads.

Dual job capability to place each head on a separate line – both controlled by one Crescendo controller – or complete a single job in half the time.

PDF proofing for easy customer review and approval.

Popular bar codes including Intelligent Mail Package Barcode (IMpb) and Quick Response (QR) code.

## High-Speed Digital Printing

The BX printer runs at speeds up to 1970 feet per minute (600 mpm) and is ready to take on your fastest jobs whether installed on a web, rewinder, mail transport or other high-speed piece of equipment.

On select transports with in-line automatic mail sorting features, this speed capability can translate to over 50,000 mail pieces per hour. Addressing, variable graphics and barcodes – the BX6500/6600 Series delivers a perfect balance of image quality and high-speed to meet your application needs.

## Flexible Configurations and Universal Compatibility

The BX6500/6600 Series printers can be used as standalone printers or as part of an in-line printing application. They can be integrated with a variety of production equipment such as web presses, bindery or packaging lines.

Compact printhead design, 19.7 foot (6m) umbilical and the ability to print in any angle (360° rotation).

Print on just about any substrate in just about every in-line application imaginable.

Portable enough to roll from job to job as necessary.

Capable of being driven by third party controllers.

## Enhance Your Existing BX

The availability of the BX6500/6600 models presents the opportunity to upgrade existing BX6300/6400 units.

Upgrade requires replacing an existing BX controller with the Crescendo controller and switching out certain printer engine circuit boards.

The result is an enhanced BX printing system that allows you to not only save time through additional controller features, but also the ability to take on more complex and demanding jobs.

Please [contact Pro Pac](#) or call 888-318-0083 for your printing and date-coding equipment.

## Specifications

Print Resolution	128 x 256 dpi (in the direction of travel) 128 x 128 @ 1970 fpm (600 mpm) image dependent
Print Height	2 inches (51 mm) per printhead
Printhead Control	Up to two printheads per cabinet (four printheads total)
Maximum Line Speed	1970 fpm (600 mpm) image dependent
Processor	Intel
Memory	4 GB
Operating System	Windows IoT Enterprise
Hard Drive	500 GB
Network	2 x 1GB LAN connections
Diagnostic Software	Inspector
Data Formats	Fixed Field, Fixed Record, Delimited, Multiline, CSV, TEX, TX2, MDB, DBF, JS2
Inks	Black, Red, Blue and Green
Positive Air	40/80 psi (15/30 L) min. consumption

## Print Specifications

Resolution	128 x 256 dpi (in the direction of travel) 128 x 128 @ 1970fpm (600mpm), image dependent
Print Speed	1970fpm (600mpm), image dependent
Print Height	2 inches (51mm) per printhead, up to two printheads per cabinet
Graphics	Multiple formats including, but not limited to: jpg, bmp, gif, pcx, etc.
Fonts	Most Windows TrueType and OpenType (with TrueType outline) fonts SPF fonts (exported from BX 63/64 system)
Barcodes	Linear: Code39, Code128, EAN128, ITF, EAN8, UPCa, UPCe, Codabar, GS1-128, Intelligent Mail barcode, Royal Mail, KIX, Australia Post, Intelligent Mail package barcode, EAN13 2D: PDF417, DataMatrix, German Premium Address, GS1 DataMatrix QR Code
Rotation	Barcodes: 90 degree intervals Text and graphics: any angle
Print Band Orientation	Normal, Invert, Reverse, Invert and Reverse
Printhead Control	One Crescendo can drive one or two BX 6500/6600 cabinets (up to four printheads)
Throw Distance	1/16 inch - 1/4 inch
Applicable Substrates	Porous paper, aqueous & UV coated paper, most plastics, certain glass and metals Other unique surfaces have been tested

## Controller and Software

Processor	Intel
Memory	4GB (minimum)
Operating System	Windows 10 IoT Enterprise
Hard Drive	500GB (minimum)
Network	2 x 1GB LAN connections
Software	Integrated suite for configuration, maintenance, layout, and printing data; standard Videojet IO Box
Languages	Dutch, English, French, German, Italian, and Spanish
Diagnostic Software	Inspector – provides monitoring of a variety of operational parameters and manual override capabilities (optional)
Data Formats	Fixed Field, Fixed Record, Delimited, Multiline, CSV, TEX, TX2, MDB, DBF, JS2

## Fluids

Capacity	5.3 liter permanent reservoirs for ink and make-up
Ink Types	MEK, Acetone, Acetone/Ethanol blend
Ink Colors	Black, Red, Blue, Green (Acetone/Ethanol 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
Optional Accessories	Stand alone mount Stand alone cleaning station Product detector Shaft encoder Alarm beacon Feeder control cables, detector, mount LAN switch Multi-cabinet cables

## Electrical and Environmental

Power Requirements	220 - 240 VAC 50/60 Hz or 120 VAC; 50/60 Hz, Single Phase
Current Draw	8A (240V), 16A (120V)
Operating Temperature	40° F (4°C) to 100° F (38°C)
Humidity Range	10% - 80% RH non-condensing
Cabinet Rating	IP5X
Ventilation	Recommended at the printhead

## Mechanical

Cabinet Dimensions	41 inches (104.1cm) H x 19.7 inches (50.0cm) W x 23.6 inches D (60.0cm)
Printhead Dimensions	12.8 inches (32.5cm) H x 3.94 inches (10.0cm) W x 4.33 inches D (11.0cm)
Cabinet Material	304 Stainless steel
Printhead Material	305 Stainless steel
Positive Air	40/80 psi (15/30 liters) min. consumption
Umbilical	19.7 feet (6m) in length

Please [contact Pro Pac](#) or call 888-318-0083 for your printing and date-coding equipment.