

Exceptional throughput on even the most complex jobs

Fast drying inks to print on a broad range of materials

Quick start-up in minutes with Videojet's Crescendo System Controller

## Videojet® BX Series

Binary Array Ink Jet Printers





## Versatile, dependable high-speed digital printing for increased productivity

Throughput is the name of the game. The more jobs you can print and the faster you get them done, the greater your potential profits. Videojet's BX6500 provides one printhead with a 2-inch (51 mm) print band running at speeds up to 1970 fpm (600 mpm). For even greater throughput, the BX6600 offers a dual-head configuration operating off a single print engine. That's four continuous inches (102 mm) to print graphics and text in a single pass. The heads can also be separated for printing on different areas of the target piece.

### 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
- Printer shut down is just as simple, with one mouse click doing nearly all the work
- 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

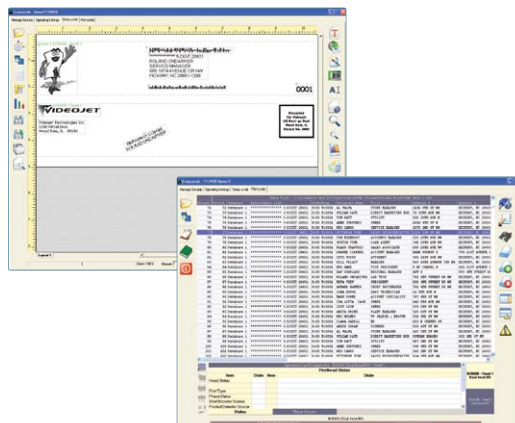
A wide variety of fast drying inks are available, ranging from low VOC acetone to MEK. This allows expanded print capabilities including jobs printed on aqueous coated, UV coated and other difficult-to-print high gloss stocks. Videojet fluids are designed for optimum performance, providing reduced operating 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 bar code readability

### A simple-to-use powerful user interface

Videojet's Crescendo Controller is a simple to navigate operator interface that comes standard with pass code 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
- Postal barcodes including Intelligent Mail® Barcode (IMB) and Postnet



## Videojet BX Series

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## High-speed digital printing

The BX printer clocks in 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. For example, 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, barcodes... the BX6500/6600 Series delivers superior image quality for your high-speed application.

## High reliability plus durability equals high productivity

The BX6500/6600 Series printheads are built to last and not be “consumable” items. Designed to last the life of the system, BX printheads have no hour meter and do not require replacing or refurbishing.

- BX6500/6600 series printers are designed to withstand the most rugged applications
- Corrosion- and solvent-resistant stainless steel IP5X-rated cabinet and printhead nozzles



## 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, 20 foot (6 m) 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



## Print Specifications

### Resolution

128 x 256 dpi (in the direction of travel)  
128 x 128 @ 1970 fpm (600 mpm), image dependent

### Print Speed

1970 fpm (600 mpm), image dependent

### Print Height

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

### Graphics

Downloaded multiple formats including: jpg, bmp,  
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, POSTNET™, Planet  
Code  
2D: PDF417, DataMatrix, German Premium Address,  
GS1 DataMatrix

### 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 Core 2 Duo

### Memory

2GB

### Operating System

Windows® XP - embedded

### Hard Drive

160 Gb

### 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/Colors

Black and Red: MEK, Acetone, Ethanol or Acetone/  
Ethanol Blend  
Blue and 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

## 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 (105 cm) H x 19.7 inches (50 cm) W x 23.6  
inches D (60.0 cm)

### Printhead Dimensions

12.8 inches (33 cm) H x 3.94 inches (10 cm) W x 4.33  
inches D (11 cm)

### Cabinet Material

304 Stainless steel

### Printhead Material

305 Stainless steel

### Positive Air

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

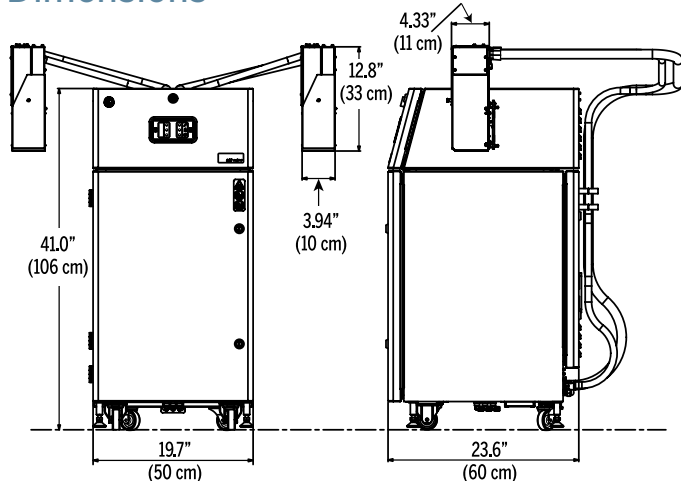
### Umbilical

19.7 feet (6 m) in length

CERTIFIED  
ISO 9001  
DOCUMENTED QUALITY



## Dimensions



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