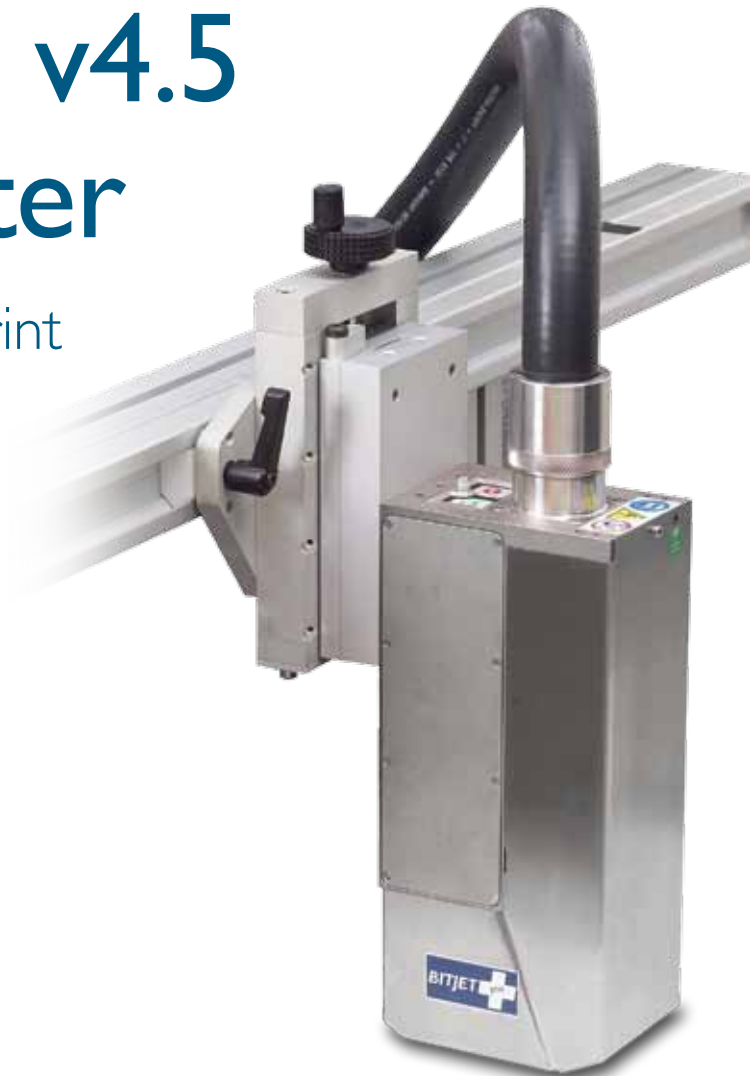


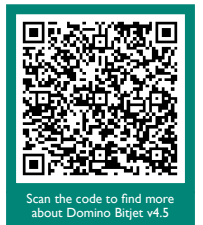


The Bitjet+ v4.5 ink jet printer

Adding value to your print



The versatile printer for high speed webs, folder gluer, bindery, packaging, wrapping. . .providing in-line digital printing on all media types.



Domino. Do more.

Performing in all in-line applications

You can easily integrate the **Bitjet+** v4.5 onto a wide range of existing production equipment, including web or sheet printing press, folder, folder gluer, rewinder, plastic card, bindery and wrapping lines.

Even when operating at the speed of the fastest web presses, you can still print text, barcodes, 2D codes and graphics on all media types with no extra drying equipment or line modifications.

Bitjet+ v4.5 is the high performance in-line digital printing system that adds value to your print.

A diverse range of applications

In-line printing of addresses, barcodes, 2D codes, personalization and graphics.



Address, postal barcode and postage paid mark printing onto polythene wrap.



2D codes, barcodes and logos printed at high speed on a folder gluer. Print promotional games, traceability codes and anti-counterfeit measures.



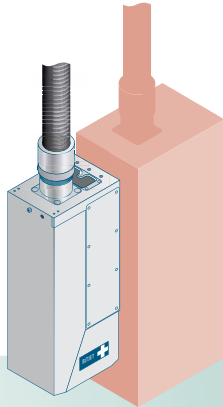
Printing barcodes on a high speed narrow web label press at 5m/s (16ft/s).



It's so easy to integrate

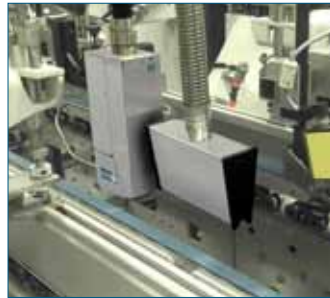
Modern compact print head

Mounted from a flexible 8m (27ft) conduit and with a footprint of just 111x78mm (4.4"x 3.12"), the print head can be integrated into the smallest spaces within your existing production equipment. Applications include the pocket of a bindery line or between printing units on a press. The result is variable data capability that adds value to your production capability.



Print on all media and material types

Fast drying inks with excellent adhesion properties enable printing without the need for separate expensive-to-operate and complex-to-integrate drying equipment. Fast drying - even on aqueous and UV coated media, as well as on plastics - including plastic cards and polythene wrap.



Prints everything you need now...and in the future

Fonts, barcodes, 2D codes and graphics

Bitjet+ v4.5 prints Windows True Type and Adobe, as well as OCR font formats.

The extensive barcode and 2D code library is updated as new formats are introduced. It includes over 70 barcode formats, including common standards such as Code 2 of 5, EAN128, GSI Databar to specialist codes including the USPS IMB for postal and the Pharmacode. Supported 2D codes include QR, Data Matrix and PDF417 formats. If you need to print graphics, bitmap formats such as .bmp and .png are available.

The wide selection available as standard means you can be confident about meeting all your customers' future needs.

Print resolution

As standard each **Bitjet+ v4.5** prints a variable length 54mm (2.13") high image at 120x120dpi in the direction of material travel. Uniquely, by rotating the print head the user can also select a 38mm (1.5") image area with 170x170dpi print for an improved image resolution and higher print density.



Really fast - game changing productivity



Start up in 10 minutes

In normal operating conditions you are in production within 10 minutes. Print job configuration can be set at the printer or remotely managed from the production line by the Domino **Editor GT** controller.

Highest print speeds

At print speeds of 800m/m (2600ft/min) even printing in-line on the fastest newspaper web presses is possible. Value adding variable data printing can be added to your production equipment without loss of productivity.



Automated to make maintenance simple

12-hour uninterrupted production

A simple print head clean is required after each 12-hour period of operation. Run time print head phasing ensures print quality is maintained despite changing environmental conditions.

Automated recovery functions

Semi-automatic print head back flush ensures a quick print ready position in the event of a blocked nozzle. The print head's automatic relocate facility provides easy and quick access where intervention is necessary. These automated functions reduce the need for manual intervention, enabling a more controlled process, and with less risk of damage to high value components.

Modern design with fewer consumable parts

The print head is not a consumable part. The simple flat print head charge electrode, is easier to set up, and far less susceptible to damage. This reduces your cost of maintenance, simplifies operation and improves production efficiency.



Domino. Do more.

A quick tour around the Bitjet+ v4.5

High precision print head gantry including print head rotation

8m (27ft) flexible conduit

Compact print head

Bitjet+ Signature Editor user interface with stand alone print capability

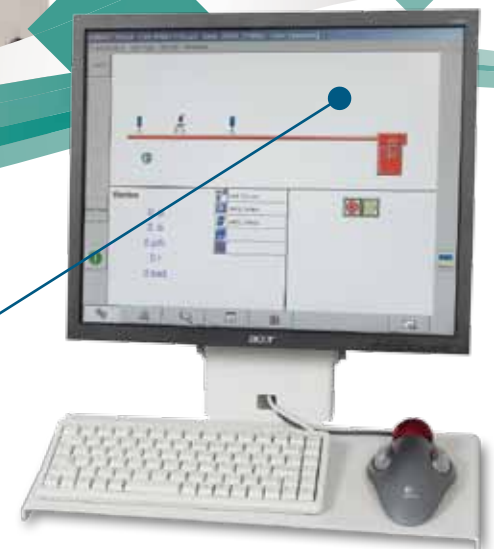
Main ink system and electronics enclosure

Wash station

Manoeuvrable printer stand

Ink storage enclosure (optional)

Editor GT User Interface (optional)



Domino. Do more.

Technical Specification:

General

- Up to 54mm (2.13") image band per print head
- Print resolution from 60dpi to 240dpi
- Linear speeds up to 800m/m (2,600 ft/min)

Print resolution and Speed

Resolution dpi l x h	Speed		Image Heights	
	m/sec	ft/sec	Height (mm)	Height (inches)
60 x 120	13.5	44.4	54.0	2.13
90 x 120	9.0	29.6	54.0	2.13
120 x 120	6.8	22.2	54.0	2.13
240 x 120	3.4	11.1	54.0	2.13
170 x 170	3.4	11.1	38.4	1.51
134 x 134	3.4	11.1	48.5	1.91

Optimum print quality is achieved at lower running speeds.

Print Head

Dimensions: 111mm (L) x 248mm (H) x 78mm (W) 4.4" (L) x 9.8" (H) x 3.1" (W)

- Conduit length: 8m (26ft)
- Prints ± 3 m in elevation from base of print engine
- Print head weight including conduit: 11.5kg (25lbs) dry
- Conduit bend radius: 165mm (6.5"), conduit is 32mm (1.25"), reinforced type

Rack

- Rack Dimensions: 860mm (D) x 1300mm (H) x 450mm (W) 33.8" (D) x 51.2" (H) x 17.7" (W)
- Stainless steel construction

Bitjet+ system PC

- Windows XP embedded, service pack 2
- Preloaded with RIP and Signature Editor DSE2 software

Power Supply and External Interfaces

- 120v or 230v, 50/60HZ,
- Shaft encoder input, NPN O/C or line driver; 12v or 5v
- TCP/IP – Domino Editor GT and third party controller range

Editor GT Operation

- Please see separate product literature

Domino Signature Editor Operation

- 120x120dpi, 54mm (2.13") print width
- Printing from either comma delimited or tab delimited data-file
- Supports addressing, 2D code, barcode, Unicode and graphics printing

Ink System

- Automatic set-up of modulation and jet velocity
- Runtime phasing and velocity control

Fonts/Barcodes

- Text: Windows™ True Type, Adobe, OCR
- Barcodes: Australian Post Custom, Australian Post Redirect, Australian Post Reply Paid, Australian Post Routing CodaBar 2 widths, Code 11, Code 2 of 5 Data Logic, Code 2 of 5 IATA, Code 2 of 5 Industry, Code 2 of 5 Interleaved, Code 2 of 5 Matrix, Code 2 of 5 Standard, Code 39, Code 39 (ASCII), Code 93, Code 93 (ASCII), Code 128, Code 128A, Code 128B, Code 128C, DPD Code, DP Identcode, DP Leitcode, EAN 13, EAN 13P2, EAN 13P5, EAN 14, EAN8, EAN8P2, EAN8P5, EAN 128, Flattermarken, GSI-128, GSI DataBar, GSI DataBar Expanded, GSI DataBar Expanded Stacked, GSI DataBar Limited, GSI DataBar Stacked, GSI DataBar Stacked Omnidirectional, GSI DataBar-Truncated, ISBN, Italian Postal, Japanese Postal, KIX, Korean Postal, LOGMARS, MSI, NVE-18, Pharmacode One-track, Pharmacode Two-track, PLANET 12, PLANET 14, Plessey, Plessey Bidirectional, PZN, Royal Mail 4State, SSCC-18, Telepen, Telepen Alpha, UCC/ EAN 128, UPC 12, UPC 25, UPC A, UPC-A P2, UPC-A P5, UPC-E P2, UPC-E P5, USPS Intelligent Mail Barcode, USPS PostNet5, USPS PostNet6, USPS PostNet9, USPS PostNet10, USPS, PostNet 11, USPS PostNet 12.
- 2D Codes: Data Matrix, MicroPDF417, PDF417, PDF417 truncated, QR Code

Accessories

- Encoder and print go inputs available on option modules
- High precision print head mounting gantry
- Wash stations

