

## X4JET

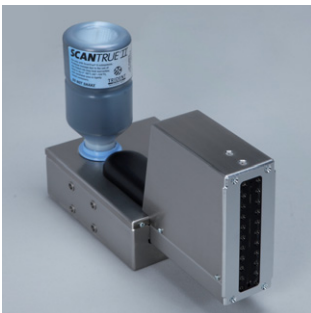


## X4JET

**The X4JET is a universal, blindingly fast print controller for inkjet printing, which can control different types of inkjet printing technology either simultaneously or alternately.**

The flexibility of this reliable and fast system is impressive, because this new and compact solution is now capable of printing both primary and secondary packaging on two sides and on one or two independent production conveyors or marking at up to four printing positions simultaneously. The print controller is maintenance free, thereby offering considerable investment and cost benefits.

- Texts, use-by dates, barcodes, 2-D codes, graphics, and logos
- Up to 3,000 serializations per minute with HP printing technology and 600 dpi resolution
- Simultaneous or alternate control of HP and
- Piezo printing technologies is possible
- Variable symbol heights of between 1 and 50 mm with HP printheads
- and between 3 and 400 mm with Piezo printheads
- One- or two-sided coding of packaging or on two different production lines
- 1:1 data transfer for real-time printing
- iDesign software





## X4JET

With the all-new X4JET, the BluhmWeber Group has launched on the market a system that can control both up to four HP and up to four Piezo printheads. Texts, barcodes, and company logos can also be printed simultaneously or alternately using both printing technologies. HP technology printheads can print symbol heights of between 1 and 50 mm, while Piezo technology printheads can print symbol heights of between 3 and 400 mm. The X4JET is capable of printing both primary and secondary packaging on one or both sides even on two independent production lines using different printing starts and printing speeds.

What's more, the system is blindingly fast: using HP printing technology, the X4JET manages up to 3,000 serializations per minute in the form of variable barcodes or 2-D codes. The compact controller is easy to integrate into complex plants. Data is transferred 1:1 to the printheads via standard interfaces such as Ethernet and USB, making real-time printing without stack processing possible. Operation is easy thanks to the iLogik controller and an integral, high-resolution display. Even specialists with no experience of printing will quickly find their way around the menu and adjust settings.





## Technical data:

### Number of print heads

1 to 4 print heads per system

### Print heights

- With HP Print heads from 1 to 50 mm
- With Trident print heads from 3 to 400 mm

### Print direction

Left/right or right/left, from the top or from the side

### Print head distance

Maximum 5 mm from the product

### Speeds

- Trident print heads
  - Up to 200 m/minute, depending on font size and intensity
- HP print heads
  - Up to 90 m/minute with a resolution of 300 dpi
- Pro-Version:**
  - Up to 360 m/minute with Hi-Speed version and a resolution of 150 x 300 dpi
- Barcode applications up to 60 m/minute

### Resolution

- Horizontal: 100 to 900 dpi
- Vertical: up to 600 dpi with HP print heads
- Vertical: up to 192 dpi with Trident print heads

### Text memory

Unlimited

### Text length

2 m

### Pro-Version:

6 m

### Font- and logo memory

2 GB

### Automatic functions

Counter, date with offset, variable data fields,

### Barcodes

EAN 8, EAN 13, EAN 128, 2/5 ITF, 2/5 ITF with hash total code 128, UPC A, UPC E, DUN 14  
2D codes: Datamatrix, EAN Datamatrix, QR-Code

### Interfaces

USB A, USB B, TCP / IP, RS232

### Inputs controller

- 2 x Light barrier (M8)
- 2 x shaft encoder (M8)
- 4 x inputs NPN / PNP, reversible by software

### Outputs controller

- OK, warning, alarm / signal light
- 4 x programmable potential-free relay outputs

### Electrical connection

Controller: 90 to 240 VAC, 50/60 HZ, max. 100 W

### Dimension

Controller: 220 x 230 x 140 mm

### Ambient conditions

- Ambient conditions: 5 °C bis 40 °C
- Relative humidity: 10 bis 90 %
- Non-considering

### Key features

- Print height up to 400 mm with four print heads
- 2-channel version for both-sided prints of packages or prints of packages at two independent product lines with print heights up to 200 mm
- Big range of different writings and true type fonts
- Activation over Ethernet or USB especially via iDesign PC Software
- Pro**
  - Usermanagement with password protection

