



LARGE CHARACTER INKJET – IJ4000

The workhorse in product labeling. The IJ4000 printer features robust construction, a central ink supply and a character height of up to 100 mm.



simple



competent



reliable

LARGE CHARACTER INKJET

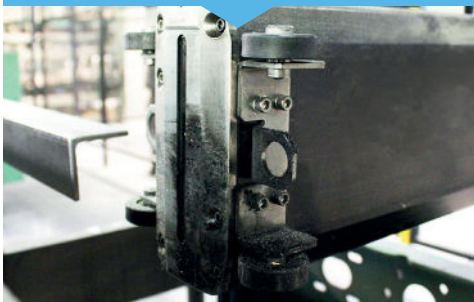
IJ4000 – Solid large character printing

MOST ROBUST PRINTHEAD IN THE INDUSTRY.

The tough printheads with 50 mm and 100 mm variants are the basis of your large character printing. Following installation, they can run 24 hours a day, 7 days a week, 365 days a year. Variants of the horizontal printheads are available for tilted conveyor belts and for vertical printing. There are no limits to the possible applications.

Get in touch with us to find the best printhead combination for you.

Use case: Printhead



The IJ4000 is a large character printer for industrial product labeling. The specialist for porous surfaces on packaging or load carriers scores with ease of operation and flexibility. The print images are managed either manually, directly at the machine, or via your company network. This means you can keep an eye on your labeling process at all times. The printing system consists of three main components: Printer, controller and display. It can be extended flexibly and can be fitted with 1 to 4 printheads – depending on the requirements of your printing solution.

Remote operation.

You can operate your IJ4000 using the IJ4000-HMI or you can opt for one of the many variants. Thanks to the customized solutions from Diagraph, central operation variants via your company's computer system are also possible.

Get in touch with us about the possibilities for your application. The

IJ4000 large character coder also allows many custom solutions for your company-specific project. We will be happy to advise you on options for barcode verification.

The right ink is crucial

The ScanTrue II ink offers outstanding contrast properties on porous surfaces such as paper, white and brown cardboard, plasterboard or wood. The print images for graphics, texts and 1D and 2D codes feature high-precision outlines. The ink contains no mineral oils and is certified for use in the food industry. This means that the empty ink containers can be disposed of with regular domestic waste. ScanTrue II is available in black, blue and red.

Product benefits

- ✓ Print height of up to 100 mm
- ✓ Print throw distance of up to 12 mm
- ✓ High print speed of up to 90 m/min
- ✓ Single-point ink supply system (remote filling)
- ✓ Flexible printer combinations
- ✓ Environmentally friendly thanks to mineral-oil-free ink and durable components
- ✓ Network connection via NiceLabel
- ✓ Ink cartridges of up to 1 liter
- ✓ Cost advantages compared to labeling





CENTRAL INK SUPPLY

Here you can connect up to four printheads. It is not necessary to stop the production line to replace the ink cartridges as the ink supply is outside the safety area.



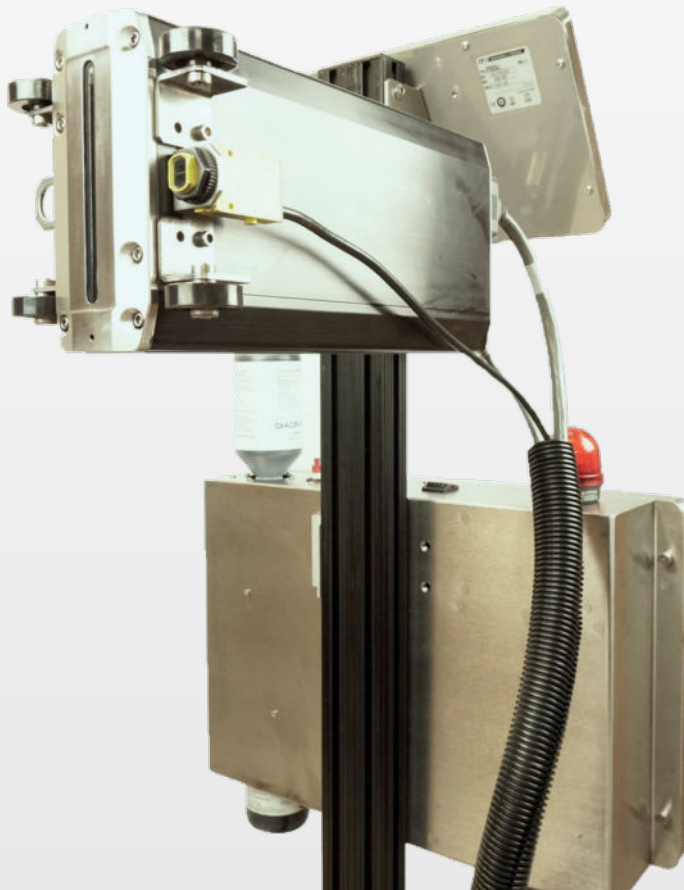
SPRING-BACK MOUNT

The spring-back mount protects the printhead against damage from passing products.



OPTIMAL PRINT IMAGE QUALITY

The throw distance of up to 12 mm, the guiding rollers, and the automatic cleaning function of the printhead ensure a consistently high-quality print image.



TECHNICAL DATA

IJ384E & IJ768E PRINT HEADS



IJ384E



IJ768E

Print height	up to 51 mm (2")	up to 102 mm (4")
Technology	Piezoelectric print module (Trident)	Piezoelectric print module (Trident)
Print speed	up to 90 m/min	up to 90 m/min
Print resolution (horizontal)	up to 300 dpi (selectable)	up to 300 dpi (selectable)
Print resolution (vertical)	196 dpi	196 dpi
Max. printhead clearance to the product	12 mm	12 mm
Clearance space bottom edge – nozzles	22 mm	22 mm
Dimensions (H x W x D)	117 x 67 x 280 mm	161 x 71 x 338 mm
Number of printheads per controller (Smart IDS)	up to 4	up to 2
IP protection class	IP65	IP54
Print direction (standard)	Horizontal print to product side	Horizontal print to product side
Print direction (special models)	Vertical print to top side of product	Vertical print to top side of product
Environmental conditions (operation)	10 – 40 °C / 10 – 80% RH	10 – 40 °C / 10 – 80% RH



Control and setup (HMI)

Control via

- ✓ IJ4000 HMI
- ✓ Touch Pro HMI or
- ✓ PC possible

Control software

IJRemote PC software or NiceLabel

Interfaces

Ethernet

Hardware upgrades

I/O board / control boards for additional printheads

Standard print functions

Barcodes (UPC, GTIN, Code 128 etc., DataMatrix, QR code), logos, time-, date-, user-variable

Inks

ScanTrue II (black, blue, red)