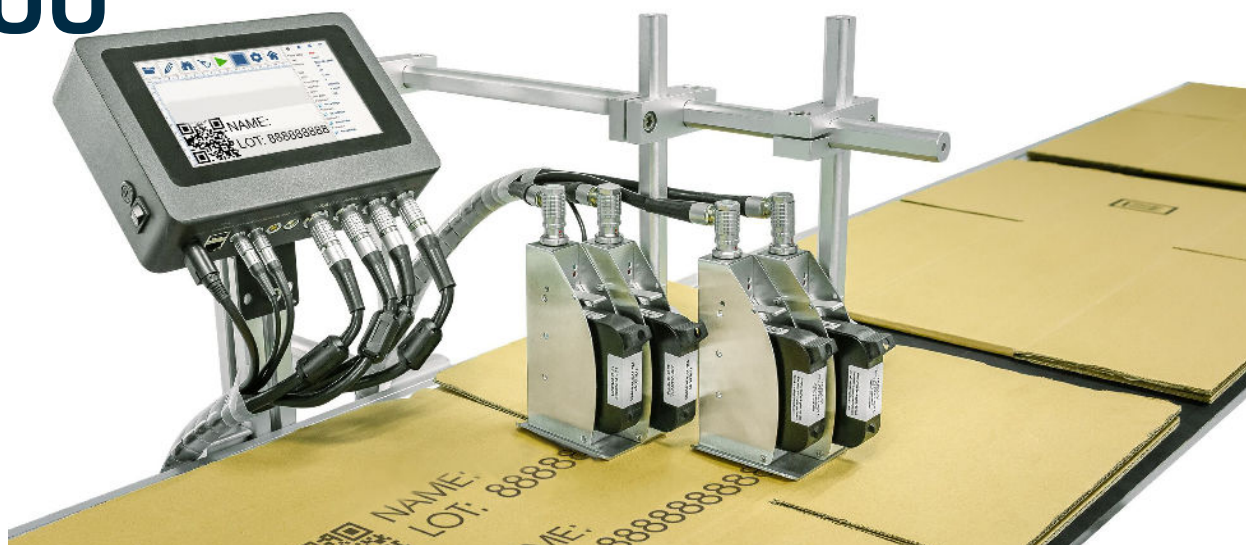# XL 2500

100 mm printing height in excellent quality

The XL 2500 prints high-resolution texts and graphics with a print height of up to 100 mm. The four printheads are adaptable to your packaging printing needs. It prints both static and dynamic data, e.g. from databases. It offers the highest printing quality (300 dpi) and maximum reliability. Thanks to its cartridge based print engine it is 100% maintenance-free.

In addition to the usual 42 ml cartridges, the XL 2500 can also be equipped with various bulk ink supply systems. This can achieve high printing counts and low printing costs.

The system is based on a robust full-metal platform and is therefore suitable for harsh environments. It works with inks for porous surfaces (cardboard, wood) and non-porous surfaces (plastic, metal).

Particularly suited

for users who are aiming for a full-size coding of their products and are looking for a maintenance-free printer with moderate printing costs.

Printing on different surfaces with a simple cartridge change

Maximum reliability

300 dpi resolution for razer-sharp printing

Maximum reliability

Up to 100 mm printing height, with stacked heads up to 250 mm

Shock-absorbing suspension

Zero-maintenance with 1-click print head

Comprehensive range of bulk ink systems for low printing costs

XL 2500

Technical specifications

Components

Touch Screen	• 7" capacitive touch screen
Menu Languages	• English, Russian. Chinese, Italian, German, Portuguese, Vietnamese
Free Template Design	• Powerful editor on the touchscreen
Font	• Windows True Fonts
Database Support	• SQL, ACCESS, EXCEL, TEXT, etc.
Receive Data from 3rd Devices	• USB 2.0, Ethernet RJ45 port
Printing Technology	• TIJ (Thermal Inkjet technology)
	• Allows quick ink change for different colors or surfaces
	• Automatically ink detection and adjustment of printing parameters
Resolution	• Maximum 300x300 dpi upt to 4 inches
Printable Heights	• 1204 print head: 1 50.8 mm; 1202 print head: 25,4 mm; 1201 print head: 12,7 mm
	• Connects 2 two cartridge heads or up to 4 one cartridge head on one controller
Throw Distance	• Maximum 6 - 8 mm
Printing Objects	• Alphanumeric, logos, date/time, expiry date, Julian date, shift code, counter/lot box code, 1D & 2D Barcode, image and database,
Printing Speed	• 50 m/min @ 300 dpi
Density	• 3 levels
Operation Interface	• PC software on 7" touch screen
Port	• Ethernet 100 Mbps port: communicate with PC
	• Serial RS485
	• Photo sensor port
	• Encoder port
Ink Management	• Automatic recognition of ink types (aqueous or solvent) and application of appropriate printing parameters
	• Automatic nozzle switching, auto-jet mode and sel-cleaning capabilites to extend cardridge lifetime
	• Ink consumption calculator
Ink Solution	• Aqueous ink for porous, semi-porous media and foods
	• Solvent ink for semi and non-porous media
	• Support various colors of ink: Black, Red, Green, Blue, White
	• Comprehensive range of bulk ink systems for low prinitng costs
Mounting	• Controller: with mounting bracket to keep controller anywhere, 90° degree rotation support
	• Print head: anti-shock mechanism
	• Support side by side and upside down printing direction
Power Supply	• AC 100V-240V, 50/60Hz, 24VDC 5.0A, Max consumption: 120 W

Technical specs

Operating Environment	• 5-50 °C and 90 % air humidity, non-condensing
Dimensions (L/W/H)	• Controller: 221 x 152 x 55 mm, Printhead: 66 x 46 x 139 mm
Weight	• tbd

Warranty

• 12 months