

Main features

Powered by
Windows® 10 'IoT'

Printing type



Barcode



Logos



Alphanumeric text

Maximum height



0-15 mm



16-100 mm



Above 100 mm

Printing surfaces



Primary packaging



Secondary packaging



Raw material

- Full package customization in real time, thanks to the simultaneous management of two 102 mm (4") and/or 50 mm (2") Graph e-JET printheads, with inspectable and repairable stainless steel nozzle plate.
- High contrast inks for printing perfectly traceable and readable barcodes, complying with GS1 coding standards.
- Sideways and downwards high definition printing on porous and non-porous surfaces.
- Instant dry, high adhesion and resistance UV Curable inks for non-porous surfaces.
- Innovative interface with 12,1" full color touch screen display, integrated industrial PC (SSD Hard Disk) and .NET programming software for an easy integration with management systems.

Z640PLUS e-JET

TECHNICAL SPECIFICATIONS

PRINTING CHARACTERISTICS

- Simultaneous management of 1 or 2 high definition printheads, with printing height up to 102 mm (4") and/or 50 mm (2")
- Line speed capability: up to 90 mt/min (295 ft/min)
- Available fonts: Windows True Type
- Bold factor: up to 6 times
- High quality graphic images printing
- Message storage: up to 50 GB
- Automatic date, time, off sets and expiry date multifunctions
- Incrementing/decreasing alphanumeric product counters up to 9 digits
- Repeat print - message function (no UV ink)
- Field orientation: 0°, 90°, 180°, 270°
- Fixed and variable text field types and bar codes (automatic or external)

BAR CODES (2D AND LINEAR)

- GS1 128, Code 128, ITF, EAN 8, EAN 13, UPC A, Code 39, 2/5 Industrial, 2/5 Interleaved, CodaBar, PDF 417, DataBar, Data Matrix, QR
- All the bar codes can be made in static or dynamic form

CONSTRUCTION CHARACTERISTICS

- Stainless steel structure AISI 304
- IP54 rating
- Printhead - console distance: up to 5 mt (16,4 ft)

GENERAL FEATURES

- Easy message creation with enhanced and powerful programming software
- Simplified images and texts formatting with Stretch and Drag&Drop functions
- Fast and reactive user interface with a 12,1" SVGA full color touch-screen panel
- Print parameters stored within each message
- Report function for executed printing counter, verifiable via ethernet
- Operator multi - level password access with screen lock protection
- Communication with management programs and softwares
- Operator interface and operating system with extended foreign languages and alphabets (such as Arabic, Chinese, Cyrillic, to include a number of local dialects)
- Auto real-time printing cost calculation
- Integrated function for automatic speed detection and configuration
- Windows® 10 'IoT' Enterprise operating system
- 64 GB SATA Hard Disk SSD (Solid State Disk)
- Fanless native 1.86 GHz microprocessor with 4 GB RAM DDR3 storage

Graph e-JET PRINTHEADS



- e-JET (Enhanced) version for a coding throw distance up to 20 mm
- Stainless steel structure AISI 304
- Industrial high-speed piezoelectric technology
- Horizontal resolution up to 600 Dpi
- Vertical resolution 192 Dpi
- Stainless steel single orifice plate
- Serviceable and replaceable nozzle group
- Sideways (0° and 90°) and downwards printing with integrated or remote printhead
- Integrated robust shock and vibration proof system
- Innovative purge system (Automatic Maintenance Purge Module™)
- Innovative ink and printhead heater system
- Ink tank 5 and 20 Lt (optional)

Z-CURE UV LAMP



- Adjustable intensity from 10 to 100%
- Possibility to select one or both light groups according to the printhead type
- LED compact design with built-in cooling system
- Compliance with health and photobiological safety standards

INKS

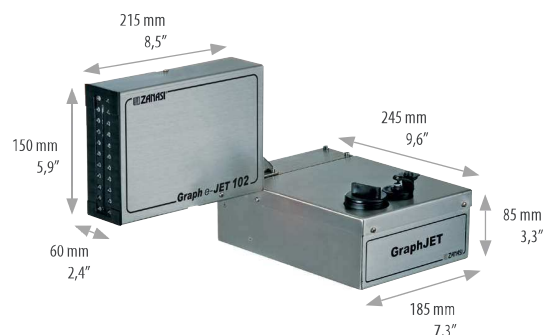
- High contrast pigmented inks
- Rapid dry and high adhesion inks
- ZPV ink available in the colours black, red, blue and green
- UV Curable inks for printing on non-porous surfaces

EXTERNAL CONNECTIONS

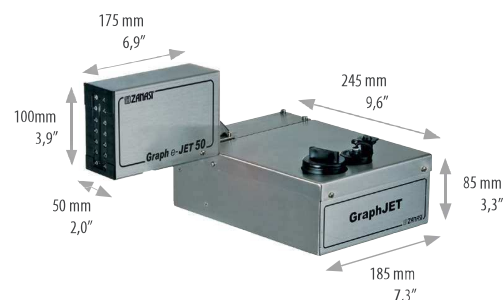
- Scanner connection for printed bar code validation
- Ethernet interface for LAN connection 10/100/1000 Mbit
- Wi-Fi and Bluetooth connection (optional)
- Optical sensor for product detection
- Parallel interface BCD
- Shaft encoder input for variable speed production lines (no UV ink)
- External alarm outputs with traffic light column
- Remote service via internet
- L@ncode® software for remote management
- System Ready output
- N°2 USB port version 2.0
- N°2 Serial port RS232
- TeamViewer licence (registered trademark) for quick on-line access and support

ENVIRONMENT/ELECTRICAL REQUIREMENTS

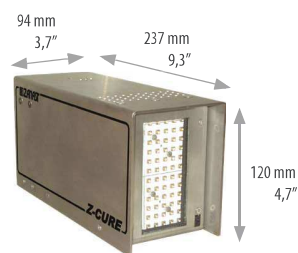
- Temperature: from 5° to 45°C (40°-113°F)
- Humidity: 0 - 90% (non-condensing)
- Console power supply: single phase, 80-240 Vac, 50-60 Hz, 100 VA
- Lamp power supply: single phase, 90-220 Vac, 50-60 Hz, 200 VA



Graph e-JET 102 PRINthead



Graph e-JET 50 PRINthead



Z-CURE UV LAMP



Use a QR code reader to see the product page