



## Main features

### 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



orquestra

- High contrast coding on flat, curved and irregular surfaces with special strong pigmented inks.
- Exclusive ink supply system with continuous and automatic ink agitation.
- Total ink circulation thanks to innovative NZP printheads.
- Long lasting coding in harsh environments.
- Suitable for metal tubes, sheets and beams, plastic pipes and bars and various products made of rubber.

# Z408 Pi

## TECHNICAL SPECIFICATIONS



### PRINTING CHARACTERISTICS

- Management of:
  - 1 o 2 32 dots printheads
  - 1 o 2 16 dots printheads
  - 1 o 2 7 dots printheads
- Up to 10 printing lines
- Print height from 5 to 120 mm (0,2" - 4,7")
- Line speed capability: up to 180 mt/min (591 ft/min)
- Printing rate: up to 266 ct/sec
- Up to 6800 strokes per message
- Messages and logos storage: up to 4 GB with expandable micro SD memory
- Fixed and variable text field types (automatic or external)
- Available fonts: 5x4, 5x5, 6x4, 7x4, 7x5, 9x5, 9x7, 10x8, 12x10, 16x10, 24x16, 32x18 and True Type
- Logos, shapes and lines easy and quick creation through touch-screen display
- Automatic date, time, offsets and expiry date multifunction
- Incrementing/decreasing alphanumeric products counter up to 9 digits
- Metric repeat print-message function
- Customizable message repeat with single print start
- Field orientation: 0°, 90°, 180°, 270°
- Tower print function (Text rotation of 90°)
- Coding throw distance up to 35 mm (1,37")

### CONTROL UNIT CHARACTERISTICS

- 10,1" TFT full color anti-reflection high contrast LED touch-screen
- Stainless steel structure AISI 304
- Printhead-console distance: up to 10 mt (33 ft)
- Support on rubber feet

### GENERAL FEATURES

- Exclusive customizable user interface for single operator (functionality, language and alphabets)
- Intuitive user interface with graphic icons
- Innovative graphic editor with stretch and drag&drop
- User interface and virtual keyboard with foreign languages and alphabets
- Purge and calibration per single dot
- Message storage with file name
- Print parameters storage in the messages
- Message dimension check before print
- Multi-level access with login
- Real time throughput counter
- Online help and user manual with contextual photos and videos

### INK SUPPLY SYSTEM CHARACTERISTICS

- Exclusive ink tank supply system for continuous ink circulation and agitation
- High performance hydraulic circulating pump

- Stainless steel structure AISI 304
- Ink tank capacity: 12 lt
- Ink low level signal
- Dimensions: h. 950 mm x d. 346 mm (37,4" x 13,6")

### PRINTHEADS

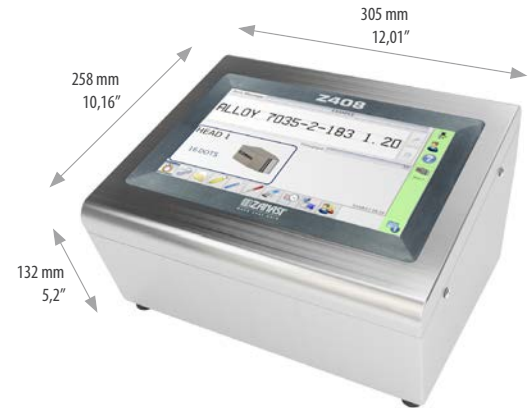
- High efficiency Solenoid technology
- High contrast coding with fast drying and high adhesion pigmented inks
- Stainless steel nozzle plate AISI 304
- High precision nozzles made of synthetic ruby
- Stainless steel structure AISI 304
- Teflon hydraulic connections
- Quick release hydraulic fitting (CPC)
- Product sensor with metric M12 connector
- Dimensions 7 dots printhead: 230 mm x 80 mm x 45 mm (9,0" x 3,1" x 1,8")
- Dimensions 16 dots printhead: 230 mm x 80 mm x 85 mm (9,0" x 3,1" x 3,3")
- Dimensions 32 dots printhead: 230 mm x 80 mm x 154 mm (9,0" x 3,1" x 6,1")

### EXTERNAL CONNECTIONS

- Serial connection RS232
- Ethernet interface for LAN 10/100 connection
- USB port version 2.0
- Sensor management for product reading
- Shaft Encoder input for variable speed production lines
- External alarm outputs for low ink level
- Parallel interface BCD, 6 bit
- Configurable I/O ports

### ENVIRONMENT/ELECTRICAL REQUIREMENTS

- Temperature: from 5° to 40° C (40° - 104° F)
- Humidity: 0 - 90% (non-condensing)
- Single phase, 85-240Vac, 50-60Hz, 400VA
- Single phase, 85-240Vac, 50-60Hz, 800VA (more than 32 dots)



Use a QR code reader to see the product page