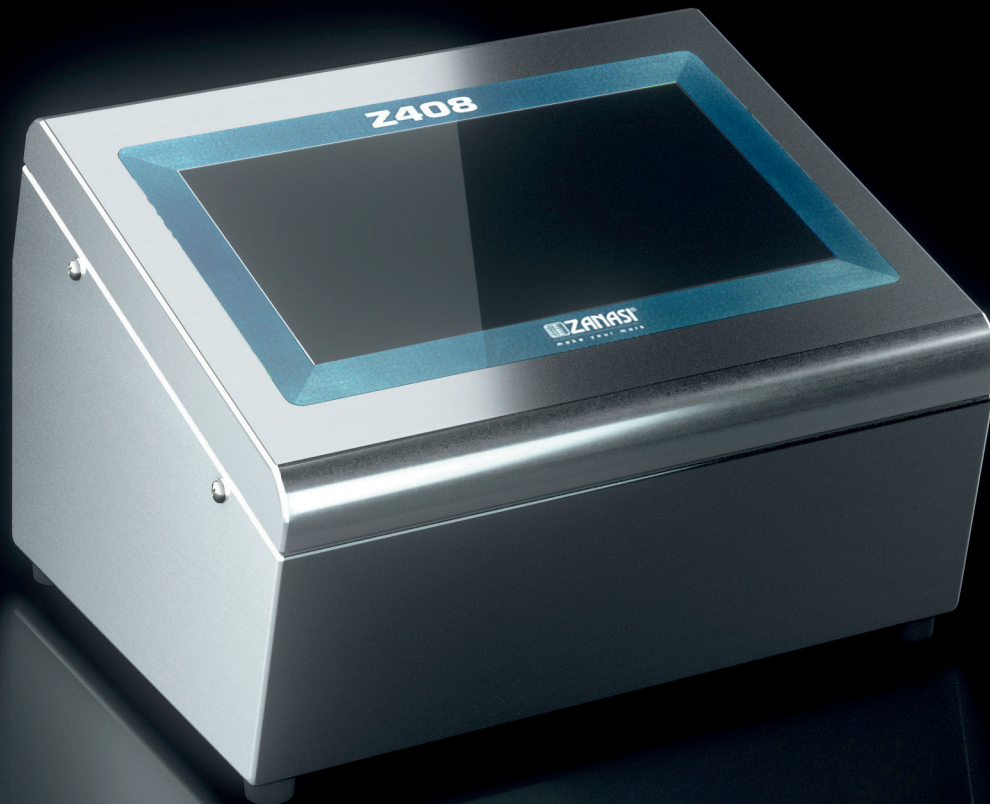


Z408



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Industrial DOD Printer Brochure



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So simple, So modular

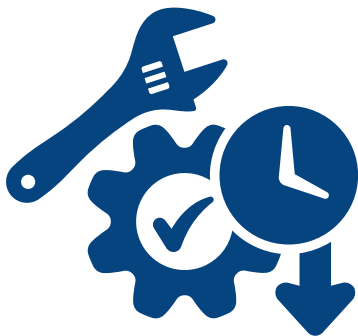
The Z408 system offers **high-level, long-lasting performance in any environment**, even the **most hostile**, thanks to its **robust stainless steel build and high IP protection**.

It flexibly controls up to four NZ 2.0 heads for multi-line or multi-side printing, with a character height **between 4.2 mm and 139.5 mm (0,16" - (5.49"))**, ensuring continuous production with no downtime.



Absence of maintenance

Constructive solidity and almost **total absence of maintenance** ensure continuous production and limit downtime.



Z408

BENEFIT

FLEXIBILITY



High performance in any environment!

Designed for demanding industrial environments, the Z408 delivers **durable and reliable printing on secondary packaging**

It effectively meets **high technical requirements**, consistently keeping pace with production

LOW TCO



Efficiency and cost savings

No downtime: goodbye to production stops

Learning time reduced to the minimum

3R philosophy: Robust, Reliable, Repairable



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Z408

NZ 2.0 PRINTHEADS Engineered to Resist

Two versions available: **Standard (S)** for general applications and **Harsh Environment (HE)** for more extreme operating conditions, such as steelworks and the construction industry.

The NZ 2.0 printheads, with reinforced stainless steel frame and brackets, liquid protection seals (HE only), are designed for superior resistance to dust, moisture, solvents, shock and vibration.



Perfect marking, perfect point calibration

Rotation is **free**, without accessories, for both the Standard and Harsh Environment versions.

Options: **7 dots, 16 dots, 32 dots**

Nozzle size: **120µm, 200µm**



BENEFIT

HIGH EFFICIENCY



Precision, speed and durability!

Drastically reduced internal friction and wear:
doubles operating life and increases MTBF by 100%

Minimal maintenance and reduced operating costs: their robust construction and automatic nozzle cleaning and calibration system make the printheads virtually **maintenance-free, ensuring longer, uninterrupted production cycles**

Product **repairability**

RELIABILITY



Precision, speed and durability!

Consistent print quality even in challenging operating conditions, with legible markings on **flat, curved or sloping surfaces**.

Printing flexibility: ideal for alphanumeric texts, 1D/2D barcodes, QR Code and Data Matrix and logos, with variable print heights for messages from simple to complex, even in challenging environments and at high speeds



large character

Right ink for each application

The wide range of **fast-drying, high-adhesion water, alcohol and solvent-based inks** allows Z408 to print texts, barcodes and logos on a wide variety of surfaces.

Particularly suitable to mark paper and plastic bags, cardboard packaging, wooden profiles, laminates and sheets, panels, pipes, construction and extruded materials.



Revolutionary Orkestra management software

The interaction with **Z408** is **simple and intuitive thanks to Orkestra**, the revolutionary management software with **customisable user** interface for each operator.

The modern **10,1" colour touch screen display** allows access to the graphic editor to **create messages, images and shapes**, facilitates data entry and the selection of printing processes.



Z408

BENEFIT

VERSATILITY AND ADHESION



Zero cost maintenance!

Clearly visible marking, even from a distance

Fast drying and high adhesion

Direct and significant **savings on consumable costs:**
- 45% (thanks to a reduction in nozzle size)

SIMPLE, INTUITIVE AND MODULAR



**Immediate:
Ease of use!**

Technicians can acquire skills in much less time, thanks to simplified and efficient training processes

Facilitates data entry and the selection of printing processes

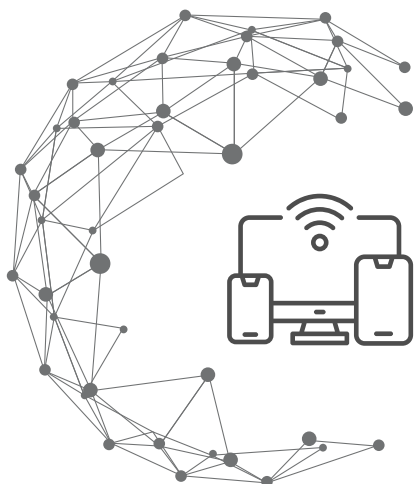
Orkestra evolves with the production context, to maintain the **software ALWAYS NEW**



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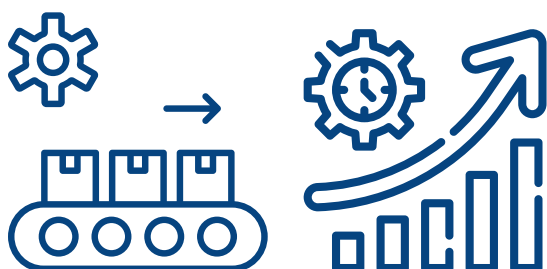
Remote management

The printer is managed, controlled and monitored directly from the console via Orkestra or remotely via the Orkestra Remote interface software for PCs and laptops.



OEM

With its **robust construction**, **high connectivity**, and **advanced Orkestra features** for external device interaction, the system is **ideal for seamless OEM integrations** in diverse production contexts.



Z408

BENEFIT

SMART CONNECTIVITY



Control at hand!

Operational flexibility: local or remote management according to production needs

Speed up personnel training and daily work

Efficiency and control: real-time message monitoring and editing

Online support: video tutorial

Full integration



Insert it in every production lines!

Easy to insert in varied production contexts

Durable and high-performing in all conditions



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Z408

Sample





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Z408

Technical specifications

PRINTING SPECIFICATIONS

Up to eight printing lines

Print height from 4.2 mm to 139.5 mm (0,16") - (5.49")

Coding throw distance up to 35 mm (1,37")

Line speed capability: up to 180 m/min (591 ft/min)

Printing rate: up to 266 ct/sec

Available fonts: 5x4, 5x5, 6x4, 7x4, 7x5, 8x6, 9x5, 9x7, 10x8, 12x10, 15x10, 16x10, 24x16, 32x18

True Type and Full Unicode support compatibility

Incrementing/decreasing alphanumeric product counters up to 9 digits

Automatic date, time, off sets and expiry date multifunctions

Customizable message repeat with single print start

Field orientation: 0°, 90°, 180°, 270°

Tower print function (text rotation of 90°)

Fixed and variable text field types (automatic or external)

BARCODES

2/5 Industrial, UPC-A, CODE 39, CODE 128, EAN 13, GS1-128,

2D: DataMatrix, QR Code, Barcode

CONSUMABLES

Fast dry inks and excellent adhesion to satisfy any application and surface, all RoHS compliant: water-based, ketone-based (MEK) and alcohol-based (methanol-free) inks

Ink for Food Packaging

CABINET

10,1" TFT full color anti-reflection high-contrast LED touch-screen display

Stainless steel structure AISI 304

Support on rubber feet or optional stainless steel structure AISI 304

User interface and configurable virtual keyboards with support for international languages and character sets (e.g., European languages, Japanese, Arabic, Chinese, Cyrillic)

Temperature: from 5°C to 40°C (41° F - 104° F)

Humidity: 10-90% (non-condensing)

Single phase, 90 - 264 Vac, 50 - 60 Hz, 400W

Single phase, 85 - 240 Vac, 50 - 60 Hz, 2x400W (more than 32 dots)

EXTERNAL CONNECTIONS

Serial connection RS232

Ethernet interface for LAN 10/100 Mbit/s connection

Collegamento scanner

USB port version 2.0

Parallel interface BCD, 6 bit

Configurable I/O ports

Sensor management for product detection

Encoder management for irregular movements

External alarm outputs for low ink level

PRINTHEAD

NZ 2.0 heads: Standard (S) and Harsh Environment (HE)

Nozzle size: 120µ - 200µ for all models. High-precision synthetic ruby nozzles

High-efficiency solenoid technology

Nominal print heights: 7-point heads: maximum 27 mm (1,06"), minimum 4.2 mm (0,16")

Nominal print heights: 16-point heads: maximum 67.5 mm (2.65"), minimum 10.5mm (0.41")

Nominal print heights: 32-point heads: maximum 139.5 mm (5.49"), minimum 21.7mm (0.85")

Head distance: 3 m (10 ft) or 10 m (33 ft)

Black anodised aluminium supporting frame, closing cover and rear panel in AISI 304 stainless steel, functional block in Derlin

Free rotation without accessory

Single-point purging and calibration

Technical drawings





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The images in this brochure are for illustrative purposes only and may not fully reflect the actual characteristics of the product.

zanasicoding.com