CIJ Z

small character

our transparency is visible

Radical Industrial Design and a modular platform with endless possibilities.

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ZANASI
make your mark

The new challenges
of the market

The production industry has become liquid and subject to constant change, thus it requires flexible solutions.
A dynamic marking experience responds quickly to market demands and looks to the future, for an actual implementation of the Industry 4.0 principles.

Cost control

Scaled business budgets need to include an increasing number of services and products. Decision-makers are being forced to make increasingly conscious choices towards comprehensive and adaptable solutions to maximise return on investment.

Ease of use

Industry margin squeezing requires easy-to-use tools, with advanced built-in features that simplify and reduce operators' day-to-day tasks related to maintenance and the changing of consumables.

Productivity optimisation

Solutions must be reliable and maintain consistent performance over time to reduce operating costs, downtime and unforeseen events that have the greatest impact on the company's assets, causing serious economic losses.

The only answer is
CIJ.Z

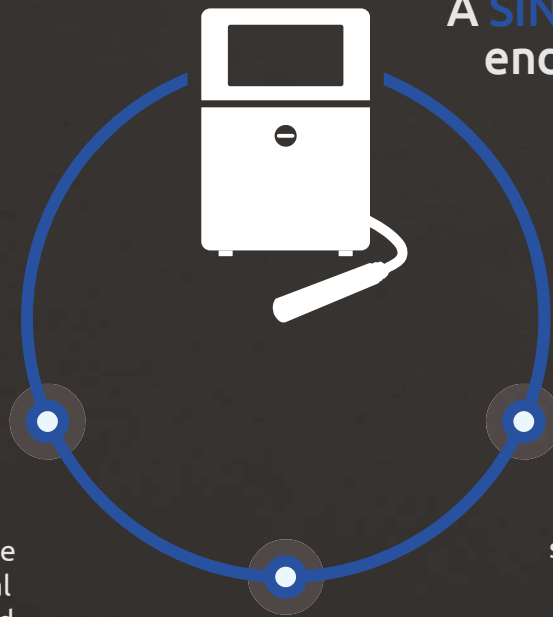CIJ.Z radically changes the concept of the product from predefined to modular.
A printing system that can be configured with the features essential to your coding process and remodulated to adapt to the production changes and technological innovations of tomorrow.

iF DESIGN AWARD 2022

GOOD DESIGN

Make your printer

A SINGLE system with endless possibilities

TAILORED TO THE OPERATOR

Intuitiveness and ease of use are supported by the radical Industrial Design, developed according to a functional design logic to guide and simplify user experience in order to increase usage efficiency.

TRANSPARENT

The modular platform guides in the choice of individual parts during the purchase and updating of the product, ensuring certain costs at any time, for a conscious choice according to requirements, without compromise.

RELIABLE

Guided features, self-regulation processes and reduced parts subject to maintenance reduce downtime, ensuring the stability and efficiency of the system.

Remake your printer

Value over time and technology without expiry!

The printer modules are interchangeable and can be added or replaced to update product characteristics and to maximise the technology made available.

CIJ.Z
the Transparent Solution

Guided maintenance at ZERO cost

Parts subject to routine maintenance are transparent and visible in their functionality, for easy and autonomous replacement without errors.

FILTER ADAPTED TO YOUR PRODUCTIVITY
Different models depending on the working hours and the use of the printer, without having to pay higher costs during purchase or maintenance.

OPTIMISED HYDRAULIC SYSTEM
The hydraulic monoblock is simplified and cleaner, the filter element and the mixing element are separated and individually removable.

SMART AND TRANSPARENT CARTRIDGE
The level of ink is visible and the replacing is controlled by the system through NFC technology that recognises and configures the cartridge and avoids exchanges between different types of ink or solvent cartridges.

*A cartridge made with **50% less plastic**

ALWAYS CLEAN SYSTEM
Needle and Septum design prevents ink leakage and keeps the cartridge clean.

*compared to ink containers on the market

Radical Industrial Design where the internal and external components of the printer, the hydraulic system, the cartridge and the printhead are all «transparent» elements, visible in their functionality.
The individual parts are assembled on a platform that recognises the different modules and returns a unique and personal product.

CABINET WITH HIGH STANDARDS

The perfect protection from water jets makes the system waterproof during the sanitization process of the line.

The class of IP protection adapts to the new environmental requirements and can be increased after purchase, WITHOUT REPLACING the system.

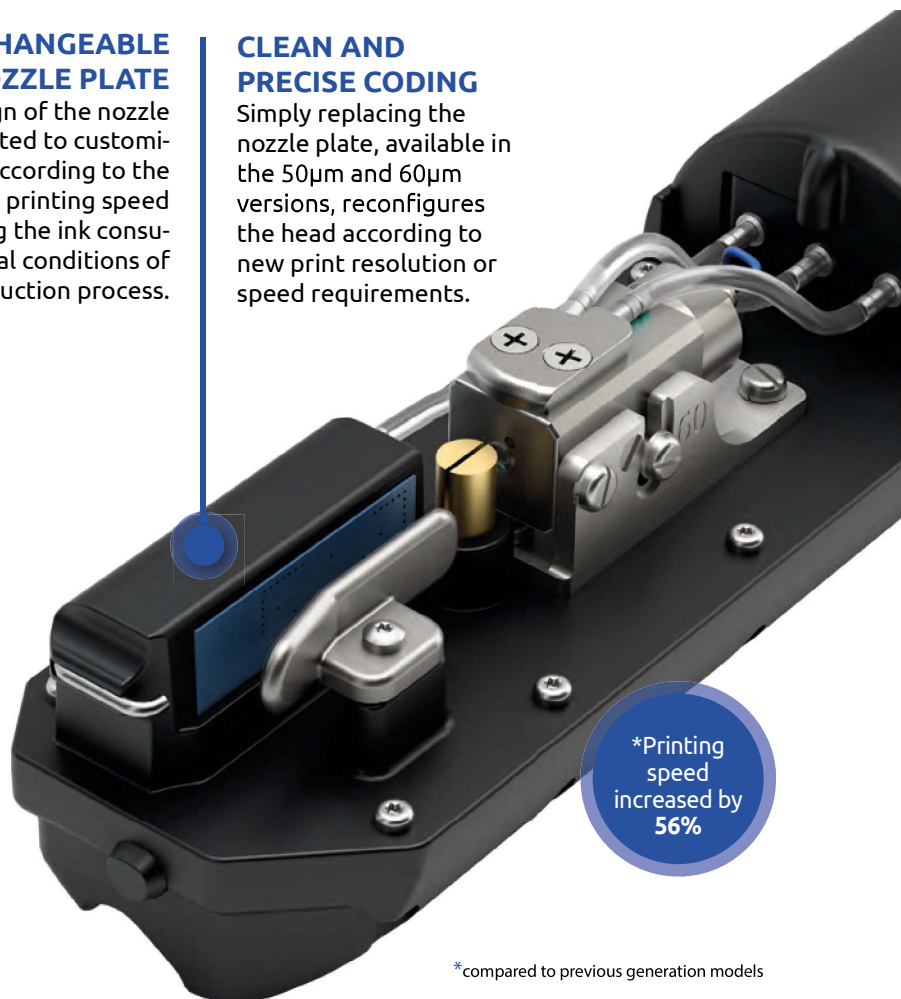## INTERCHANGEABLE NOZZLE PLATE

The particular design of the nozzle plate has been created to customise the head according to the printing height and printing speed required, adapting the ink consumption to the actual conditions of the production process.

CLEAN AND PRECISE CODING

Simply replacing the nozzle plate, available in the 50µm and 60µm versions, reconfigures the head according to new print resolution or speed requirements.

THE FLEXIBILITY OF THE 90° PRINTHEAD

The head reaches the tightest spaces and can be adjusted for any tipe of integration.

*Printing speed increased by **56%**
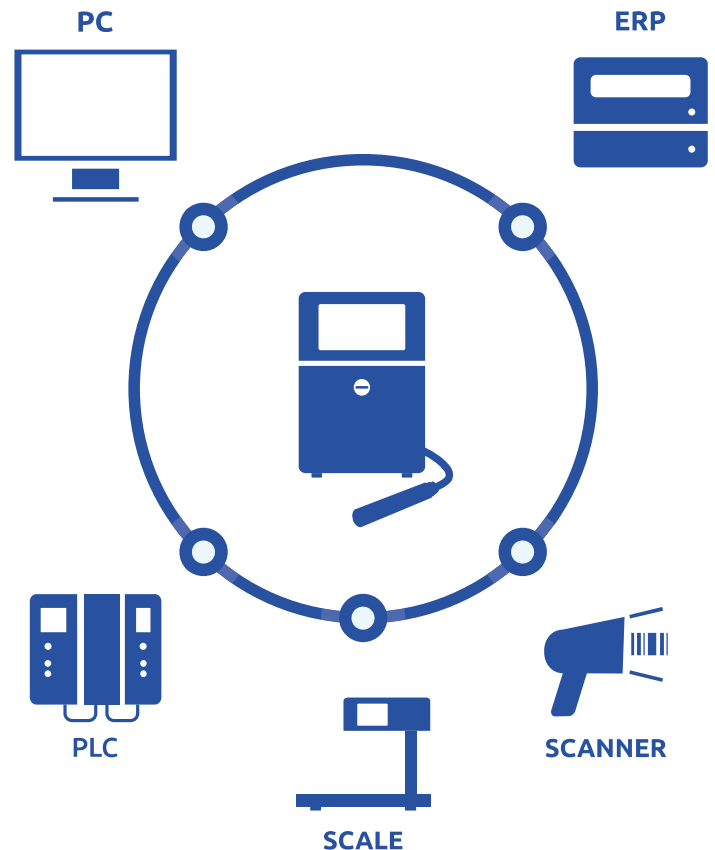
*compared to previous generation models

Industry 4.0

The connections are multiple and can be activated and extended based on the different online devices. Individual interconnection functions have been developed according to the Industry 4.0 requirements.

SMART FACTORY

ALWAYS INTERCONNECTED

The advanced connection characteristics and the software designed to interact with online devices or internal management and control systems simplify integration and data exchange and reduce costs related to the introduction of new tools.

PC

ERP

PLC

SCANNER

SCALE

Standard connections

UMBILICAL CORD WITH 90° CONNECTOR

The attachment on the back reduces overall dimensions in depth for easy fitting inside confined spaces.

I/0 Module

LAN

SENSOR

ENC

AIR

Orkestra Software

The **Orkestra** interface detects and decodes data from other devices without the need for external decoders, simplifying integration and reducing customisation costs.

MODULAR SOFTWARE WHICH CAN BE UPDATED DOWN TO THE SINGLE FUNCTION

The **Orkestra** software platform can be configured with modules dedicated to specific activities. The editor, configuration, reporting and data transfer modules are developed according to proven usability logics to adapt to the operator's level of experience.

FEWER ERRORS, HIGHER PRODUCTIVITY

The touch user interface facilitates interaction and the editor is designed to automate the creation of standard messages, limiting data entry solely to the variable field. Each message will be parameterised and stored according to the specific needs of each production process.

orkestra®

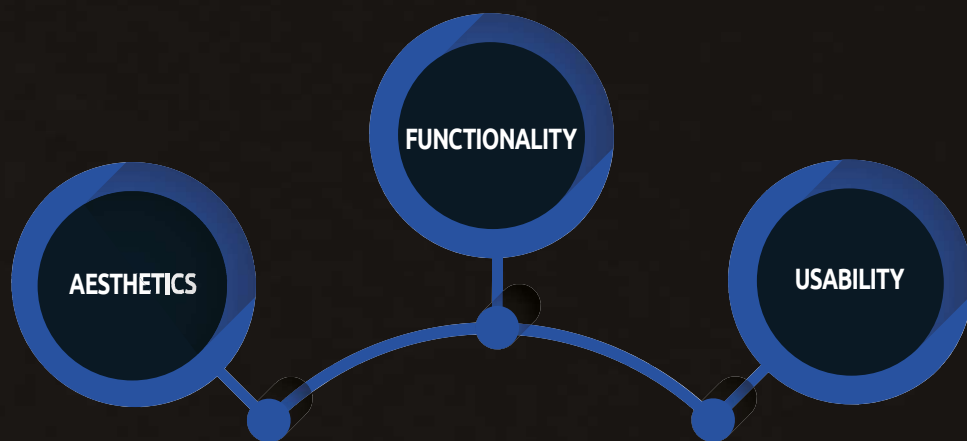# Industrial Design
tailored to the operator

The ergonomic line uses a contrasting combination of colors and shapes to divide the front and body of the machine and to map the important points of interaction with the digital interface and the physical parts of the marker.

The display slightly tilted towards the operator invites to interact with the system.

The front part is dedicated to ordinary activities such as switching on, opening of the door or insertion of the cartridges.

AESTHETICS

FUNCTIONALITY

USABILITY

Reduced
interactions

*Training time reduced by **70%**

THE OPERATOR AT THE CENTER OF THE PROJECT
Ease of use is the basis of the project with a functional design logic that instinctively activates a physical action on the device and automates repetitive actions.

START & STOP
A simple touch of the screen awakens the printer. CIJ.Z is designed to keep the main functions always active even after switching off, ensuring quick restart.

⬛ZANASI

Slide to unlock

orkestra

⬛ZANASI

*verified by our main customers

Reliable
system

Guaranteed performance and reduced consumption

INK ALWAYS READY TO USE

CLEAN HEAD

PERFECT CODING

UP TO **50%** REDUCTION OF SOLVENT CONSUMPTION
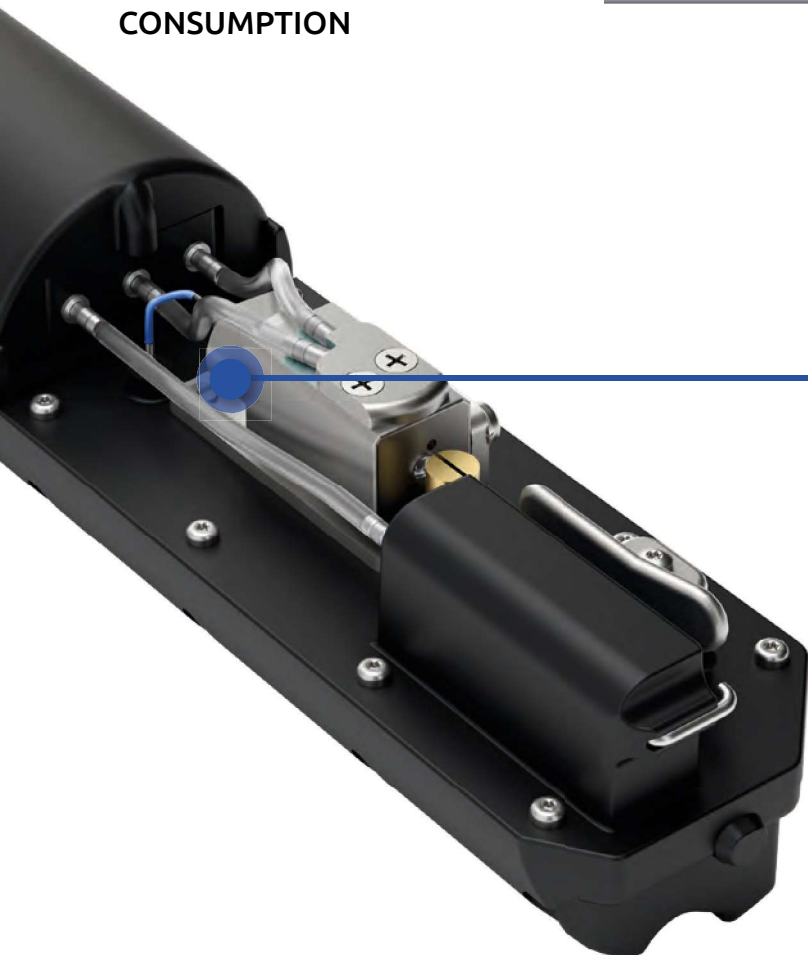
CLOSER PRINTING
The special design of the printhead allows to bring it closer to the product and to obtain high-quality prints even on tilted surfaces.

Less work and adjustments on the line

The self-regulation processes and the reduction of internal parts subject to maintenance make CIJ.Z a "self-managing" system.

SELF-REGULATION CIRCUIT
In case of interruptions or production stops, the automatic printhead self-cleaning and regulation system allows the correct restart of CIJ.Z. The transparent pipes make the correct printhead cleaning visible.

MIX-INK
THE MIXING TANK WITH AUTOMATIC AND CONTINUOUS INK MIXING

The system prevents the formation of residues that could alter the ink components and obstruct the hydraulic circuit.

Moreover, it constantly mixes ink and make-up to maintain optimal ink properties.

The quality of the fluid guarantees the cleanliness and performance of the printhead.

Patent Pending

The tank is able to handle the entire range of standard, pigmented and dye-based inks.

SEASONAL USE?
NO PROBLEM

The system can be restarted even after lengthy downtimes without compromising the print quality.

Maximum productivity
remotely

Reports & Data Analysis

The printer becomes an intelligent
data collection resource
- Production reports
- Performance indicators
- Detection of inefficiencies

Remote diagnostics

Remote support for restore in case of shutdown
- Telephone support
- Anomaly monitoring
- Parameter setup for correct operation

Productivity optimisation

Remote management, control and monitoring of
multiple printing systems within the same plant
from a PC or laptop.

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