



- Industrial head
- No maintenance
- Printing of fixed and variable data
- Calculate printing costs in real time
- Connection with ERP
- Light signal beacon
- Printing speed up to 240m/min.
- Wireless keyboard and mouse control
- In accordance with GSI International standards

**Suitable for all types of environments, dusty and wet corrosives**

### HEAD PRINTING

From 1 mm to 25.4 mm, 1 head  
From 1 mm to 50.8 mm, 2 heads

### EASY TO USE

7" touch screen with intuitive WYSIWYG interface for easy operation and programming

## INDUSTRIAL HARDWARE

The use of American TI's AM3358 industrial grade CPU and Xilinx Spant6 industrial grade FPGA results in a more stable, reliable and interference-proof system in various conditions, making printing a unique experience.

The print engine uses a dedicated TIJ ASIC chip, a perfect match for a variety of Original and licensed HP inks.

The patented professional cartridge pre-heating algorithm ensures optimum print quality in extreme environments and high and low temperatures.

## MORE POWERFUL SOFTWARE

The intelligent integrated Linux operating system provides a professional and more user-friendly interface.

It incorporates a powerful integrated droplet consumption algorithm that allows instantaneous calculation of the cost per print.

Powerful variable 2D code functions to meet today's growing customer demand, under GS1

Efficient and flexible variable database functions to meet the requirements of various applications for product traceability, incorporates connection to ERP



# TECHNICAL SPECIFICATIONS PRINTER TIJ 2.5

K150IP



Printer with filter for voltage, parasites and harmonics



Military-level electronics in state solid

Protection class IP65, watertight, dustproof and low pressure water jet.

The head and the control unit are completely protected, prepared for the most hostile environments.

The inclined design of the operating panel makes it easy to see and operate, and prevents the accumulation of drops.

The print head adopts a flip-top protective cover structure, which facilitates the operation of replacing the ink cartridge

Rugged, high-strength, rustproof and corrosion-resistant stainless steel housing.

Several configurations are possible: one head, two independent heads or two heads together.

Prepared for the most aggressive and diverse scenarios.



## HEAD

**Distance:** From 2mm to 5mm

**Speed:** 120m/min at 300DPI

**Resolution:** 150DPI / 300DPI / 600DPI

**Head:** Thermal head TIJ2.5

**Imp. height:** Minimum 1mm / Maximum 50.8 mm

**Ink type:** Water-based, Solvent-based, Uv in 42ml cartridges

**Ink colour:** Black, white, red, yellow, blue, green, invisible UV

**Cartridge chip:** RFID tag for automotive identification of ink type and consumption

**Substrates** Cardboard, plastic, metal, wood, ceramics, food industry, chemical and pharmaceutical industry, glass, etc.

**Print:** Multi-language texts, bar codes, 2D codes, images, numbers, counters, dates, variable fields



## PRINTER

**Structure:** Industrial stainless steel

**Operating system:** Integrated operating system

**Com ports:** USB / RJ-45 to RS232

**Atmosphere:** Max 45°C / Humidity up to 85% RH

**Hardware:** American TI Am3358 Industrial Grade CPU / FPGAUSA Xilinx Spant6 Industrial Grade / TIJ dedicated ASIC chip

**Languages:** Spanish, Italian, French, Finnish, German, Norwegian, Portuguese, Japanese

**Interfaces:** Photocell, Encoder, External control, inverse-reverse Alarm output, External data selection, BCD, ERP.

**Power supply:** Input 100 – 240 V AC 50-60 HZ / Output 24 V DC 6.5 Amp.

**Dimensions:** Controller 384.5mm\*317mm\*183mm / Head assembly 173\*107\*94mm



Packing cardboard



Medicine



Furniture and wood



Food packaging



PET plastic



Security UV ink



Dynamic trace QR code



Printers for marking and industrial coding.  
Cartridges with TIJ 2.5 technology

[www.kodyka.com](http://www.kodyka.com)

📍 Avenida de Mendavia 11, Pabellón 16  
26009 Logroño  
La Rioja, Spain  
☎ Telf: +34 941743964  
✉ [info@kodyka.com](mailto:info@kodyka.com)