



**tidirefi**

# K150NIP

TOTAL IP PROTECTION



Industrial printhead

No maintenance required

Printing of fixed and variable data

Calculate printing costs in real time

ERP connection

Light beacon signal

Printing speed up to 240m/min.

Wireless keyboard and mouse control

Suitable for GS1 international standards

**Suitable for any type of environment  
(whether wet, dusty, corrosive...)**

#### PRINTHEAD

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

#### EASY TO USE

7" touchscreen with intuitive interface for easy configuration

## INDUSTRIAL HARDWARE

The use of American TI's AM3358 industrial grade CPU and Xilinx Spant6 industrial grade FPGA provides a more stable, reliable and anti-interferences system in several working conditions, making the printing experience unique.

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

Professional cartridge pre-heating algorithm guarantees optimal print quality in extreme environments or places with high and low temperature.

## MORE POWERFUL SOFTWARE

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

Powerful integrated ink consumption algorithm allows fast cost-per-print calculation

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

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

**THE ONLY MANUFACTURER TO OFFER**



# TECHNICAL SPECIFICATIONS PRINTER TIJ 2.5

K150NIP



Printer equipped with surge, cross-talk and harmonic filters



Solid-state electronic boards  
Military-grade resistance

IP65 protection level, watertight, dustproof and low pressure water jet proof.

Printhead and controller are fully protected, ready for the most hostile environments.

The slanted design of the operating display make it easy to view and operate and prevents droplet accumulation.

Printhead incorporates a flip-type protective cover structure, which makes cartridge replacement easy.

High strength stainless steel housing, rust and corrosion resistance.

Several configurations are possible: one printhead, two independent printhead or two printheads stitched together.

Suitable for the most aggressive and several environments.



## HEAD

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

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

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

**Head:** Thermal head TIJ2.5

**Print height:** From 1mm to 50.8mm

**Ink type:** Solvent, water-based, UV. 42ml. cartridge

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

**Cartridge chip:** Contactless RFID chips allow automatic recognition and control of parameters and ink 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:** Linux operating system

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

**Environment: Temperature:** 0-45°C / Humidity: up to 85%

**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: AC 100-240V 50-60Hz

Output: DC 24V 6.5A

**Dimensions:** Controller: 384.5mm x 317mm x 183mm / Printhead: 173mm x 107mm x 94mm



Packing cardboard



Medicine



Furniture and wood



Food packaging



PET plastic



Security UV ink



Dynamic trace QR code



Industrial coding and marking printers

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

📍 Calle Majuelo 5,  
Pol. Ind. Cantabria I,  
26009 Logroño (La Rioja)  
Spain  
☎ Telf: +34 941 265 066  
✉ [info@tidirefi.com](mailto:info@tidirefi.com)