tidirefi
PRINTERS, INKS & SPARE PARTS

DATA SHEET

INDUSTRIAL TIJ PRINTER

K140ND

120 m/min
at 300 dpi

600 dpi
max. resolution

12.7 mm
print height

2 years
extended warranty

Fast and easy high resolution printer. Easy to install, configure and code.



About the product

- **Printhead:** from 1 mm to 12.7 mm (1 printhead); from 1 mm to 25.4 mm (2 printheads).
- **High speed printing:** up to 120 m/min at 300 dpi.
- **Easy to use:** 7" touchscreen with intuitive interface for easy configuration.
- **The only manufacturer to offer a 2-year extended warranty.**



Printer equipped with surge, cross-talk and harmonic filters



Solid-state electronic boards, military-grade resistance

10 reasons

1. No filter change required
2. Low cost printer
3. Small size
4. Easy use and messages creation
5. No maintenance required
6. No expendable parts
7. High resolution printing
8. Inks without hazardous solvent
9. Multi-material printing
10. High profitability printer

Versatile solutions

High resolution printing at high speed.

High quality. Texts, logos, barcodes, QR codes and high density pictures.

Efficient and flexible. Database compatible to suit any type of industrial application.

Variable print control. 150 dpi / 300 dpi / 600 dpi print resolution for optimal printing.

Robustness

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

Quick setup. Fast and intuitive parameters setting.

Safe operation. Easy configuration of safety parameters.

Profitability of printing costs. Cost per print calculator. Bulk system installation possible to save on printing costs.

Easy printing at low cost.

TIDIREFI SLU C/ Majuelo 5, Pol. Ind. Cantabria I · 26009 Logroño (La Rioja), Spain
+34 941 265 066 · info@tidirefi.com · www.tidirefi.com

tidirefi
PRINTERS, INKS & SPARE PARTS

DATA SHEET

Printer

Housing	Steel housings and compact design
Operating system	Linux
Electronics	Solid-state electronics with military-grade resistance and non-moving parts
CPU	Equipped with anti-interference system
Interface and software	7" touchscreen; WYSIWYG templates and printing review
Safety	Menu-driven configuration of safety parameters
Ports and inputs	One USB port and one RS-232 / RJ45 port; Encoder and sensor
Power supply	Input: AC 100-240 V 50-60 Hz / Output: DC 12.6 V 3 A
Operating temperature	0-55 °C (water-based inks: 10-40 °C; polymeric inks: 15-35 °C)
Humidity	30-70 % (without condensation)
Language	Multilanguage
Dimensions and weight	Controller: 200 mm x 120 mm x 60 mm; printhead: 110 mm x 80 mm x 102 mm; weight: 970 g



Speed and printing features

Max. print speed	300 m/min
Max. print resolution	600 dpi
Content	Static text, user inserts, date / time, shift codes, counters and variable data
Fonts	TrueType Windows fonts
Barcode	Codabar, Code128, Code39, Code93, EAN8, EAN13, EAN128, Pharmacode, Plessey, UPC-A,...
2D barcode	Datamatrix, QR code, MicroQR, Maxicode,...

Printhead and inks

Technology	TIJ 2.5
Printing distance	2-6 mm
Cartridge	Cartridge parameters and ink levels managed by RFID recognition
Polymeric	For non-porous materials
Water-based	For porous and semi-porous materials
Others	Food dye, pigmented, invisible, UV
Colors	Wide range of colors
Performance	High adherence and long decap

Marking examples



Aluminium trays



Containers



Dynamic trace QR code



Security UV ink