tidirefi
PRINTERS, INKS & SPARE PARTS

DATA SHEET

INDUSTRIAL TIJ PRINTER

K112NF

600 DPI
max. resolution

12.7mm
print height

5"
touchscreen

120 m/min
speed at 300 dpi

Easy to install, configure, code.



About the product

- **Printhead:** From 1mm to 12.7mm.
- **High speed printing:** Up to 120m/min 300dpi.
- **Easy to use:** 5" touchscreen with intuitive interface for easy configuration.
- **The only manufacturer to offer 2 year extended warranty.**



Printer equipped with surge, cross-talk and harmonic filters



Solid-state electronic boards. Military-grade resistance

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: 150dpi / 300dpi / 600dpi print resolution for optimal printing.

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.

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.

Wide range of inks

Polymeric for non-porous materials.

Water-based for porous and semi-porous materials.

Food dye, pigmented, invisible, UV.

Wide range of colors.

High adherence and long decap.

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	5" touchscreen interface; WYSIWYG templates and printing review; menu-driven configuration of safety parameters
Ports and inputs	One USB port and one RS-232 / RJ45 port; encoder and sensor input
Power	Input: AC 100-240V 50-60Hz / Output: DC 12.6V 3A
Working conditions	Operating temperature: 0-55ºC (water-based inks: 10-40ºC; polymeric inks: 15-35ºC) / Humidity: 30-70% (without condensation)
Languages	Multilanguage
Dimensions	Controller: 136mm x 85mm x 60mm / Printhead: 110mm x 80mm x 102mm
Weight	430g



Printing and printhead

Speed and resolution	Max. print speed: 300m/min / Max. print resolution: 600dpi
Printing features	Static text, user inserts, date / time, shift codes, counters and variable data. TrueType Windows fonts
Barcode	Codabar, Code128, Code39, Code93, EAN8, EAN13, EAN128, Pharmacode, Plessey, UPC-A, ...
2D barcode	Datamatrix, QR code, MicroQR, Maxicode, ...
Printhead	TIJ 2.5 technology / Printing distance: 2-6mm / Cartridge parameters and ink levels managed by RFID recognition

Marking and accessories



Date and QR code



Dynamic QR codes



UV security inks