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PRINTERS, INKS & SPARE PARTS

DATA SHEET

INDUSTRIAL DOD PRINTERS

KN DOD

63 m/min
printing speed

128 mm
max. print height (32 dots)

IP65
protection level

7"
color touch display

KN7P - KN16P - KN32P (autoclean)
KN7PW - KN16PW - KN32PW (white ink)
KN7Pe - KN16Pe - KN32Pe (economic)



DOD large character inkjet printer

- K DOD series large character inkjet printer adopts high reliable **Drop-On-Demand Inkjet solenoid valve technology.**
- **Reliable, strong and durable** performance can meet the needs of various industrial coding.
- The printer can work normally in a variety of **harsh environment, such as dust, humidity and vibrations.**
- The **high precision technology** makes reliable performance and minimal maintenance.
- The only manufacturer to offer a **2-year extended warranty.**


External Interface


Ink System


Main Hardware

Printhead

The nozzle uses wear-resistant and durable gem material, which makes the dot of the jet more round and can be used for a long time.

The printhead can be rotated to achieve to print different characters and fonts.

Ink System

The design of stable and durable internal pump can make the printer work without air source.

White ink machine has automatic stirring system to prevent the pigment ink precipitation.

Main Hardware

High integration of the industrial level of the new motherboard works fast and stable, what it does it better to deal with the extremely harsh environment.

External Interface

With grade of IP68, the interface not only supports RS232 network interface, but also the count output, information control and other functions.

Applications

- Wood · Stone · Tires · Textile · Bags · Pipelines · Painted surface

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Printing Parameters

Print Head Duct	3 m / 6 m
Nozzle Specifications	80u, 120u, 150u
Printing Height	7 dots: 5-28 mm / 16 dots: 5-64 mm / 32 dots: 5-128 mm
Printing Distance	3-30 mm
Printing Lines	1-4 lines
Printing Speed	63 m/min
Counter	More than 20 independent counters
Ink Color	Black, White, Blue, Red, Green, Yellow, Invisible
Ink Type	MEK based, water based, N-propanol based, ethanol based, ethyl acetate based, acetone based
Font	5x6L 7x6L 7x10L 9x8L 9x11L / 11x11L 12x12L 16x16L 24x24L 32x32L / 11x11B 12x13B 16x16B 24x24B 32x32B
Printing Material	Carton, Plastic, Metal, Sheet Material, Pipe, Stone, Glass, Electronic components, Industrial chemical packaging, Paint surface and other permeable and non-permeable surfaces
Print Content	Text, Time, Date (Julian Year), Logo, Shift, SN, Dynamic Barcode/QR Code, Dynamic Serial Data, Dynamic Database (Additional content can be added as required)



Machine Parameters

Operating System	Embedded Linux security operating system
Display Screen	7 inch color display, industrial touch screen
Communication Interface	Network interface, USB, RS232
Protection Level	IP65
Power Parameters	Input 100-240 V AC
Rated power	150 W
Memory	256M
Machine Material	304 stainless steel
Machine Specifications	296 mm x 296 mm x 490 mm (Length x width x height)
Working Environment	Temperature 0-45 °C / Humidity 30-70 % Rh
Related Certification	CE. RoHS FCC
Net Weight	16 kg
Main Hardware	American TI AM3358 industrial grade CPU, American Xilinx Spartan-6 industrial grade FPGA
External Interface	Optical eye, Encoder, Signal light alarm output, Serial number control and transport, External printing information selection and flipped
Support Language	Support more than 40 national languages (Chinese, English, Arabic, Danish, German, Russian, French, Finnish, Korean, Japanese, Spanish, Italian, etc.)

Where it can mark



Cables



Stone


Pipelines



Bags