

### INTEGRATED VARIABLE DATA PRINTING SYSTEM

**Controllerless printer, no display required, online-controlled stand-alone printhead. Portable, smaller footprint, more freedom to print and better performance-price**



**Built-in "quick start" and "head cleaning" button:**



**C-controlled**

- Integrated design for easy installation, with complete functions
- Reduced space requirements, more suitable for small production line
- Support remote PC control and offline printing
- GS1 / DM / QR codes and other anti-counterfeit tracking printing up to 406m/min
- Self-developed software, easy to configure
- The number of nozzles can be spliced as required.

### INTRODUCTION

KE1 printer has a high-performance 1.2Ghz dual-core CORTEX-A7 industrial processor, an independently self-developed print engineering algorithm, an industrial FPGA chip and high-level anti-interference motherboard, equipped with USB, serial, sensor and encoder ports.. It can produce stable print quality at high and low temperature and in dusty, wet and electrically interfering environments.

It has a smart, stable and efficient Linux operating system and an independent self-developed high-speed print management printer that can achieve high quality dynamic printing. It supports traceability, anti-counterfeit system, food and drug control codes and dynamic databases. The print speed can reach up to 406m/min and print resolution up to 600dpi. OEM support and printer customization are available.

**THE ONLY MANUFACTURER TO OFFER**



### MACHINE

**Operating System:** Embedded Linux operating system

**Hardware:** Cortex-A7 1.2GHz dual core processor,  
FPGA algorithm acceleration chipset

**COMM ports:** USB, RS232, RJ45

**External Interface:** Optical sensor, encoder, upside down con

**Power Supply:** Input: AC 100-240V

Output: DC 30V 1.5A

**Housing material:** industrial grade protective housing (aerospace grade aluminium)

**Dimensions:** 128mm x 87mm x 27mm

**Work Environment:** Temperature: 0-45°C / Humidity: 30-70%



### PRINTING

**Printing Type:** TIJ 2.5 Thermal head

**Print resolution:** up to 600dpi / Up to 6 levels of print density

**Print Height:** From 1mm to 25.4mm

**Print speed:** 406m/min (90dpi) / 240m/min (150dpi) / 120m/min (300dpi) / 60m/min (600dpi)

**Print Contents:** Multi language characters, GS1 data matrix, dynamic traceability QR code, bar code, image, serial number, date, shift, counter, variable database, network serial port real-time dynamic data printing

**Printable materials:** Cardboard, plastic, electronic component, metal, cable, wireless, stone, pipe, auto parts, industrial and chemical packaging, pharmaceutical/food/gift packaging

**Ink Type:** Solvent, water-based, oil-based, foodgrade, UV. 42ml. cartridge

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

**Cartridge Chip:** Contactless RFID chips allow automatic recognition and control of parameters and ink consumption



Packing cardboard



Medicines



Furniture and wood



Food packaging



Plastic



Security UV ink



Dynamic QR codes