

TX1

INTEGRATED VARIABLE DATA PRINTING SYSTEM

*Get rid of the controller screen, independent "nozzle" online printing!
More portable, less space, higher freedom and better price performance*



Build-in "Start", "Clean" buttons



Remote PC control



Introduction

TX1 INTEGRATED VARIABLE DATA PRINTING SYSTEM ADOPTS HIGH-PERFORMANCE INDUSTRIAL CORTEX-A7 1.2GHZ DUAL-CORE PROCESSOR, INDEPENDENTLY DEVELOPED PRINTING ENGINE ALGORITHM, INDUSTRIAL FPGA CHIP, HIGH ANTI-INTERFERENCE LEVEL'S MOTHERBOARD. THE PRINTER EQUIPPED WITH USB, SERIAL PORT, INFORMATION CONTROL, OPTICAL SENSOR AND ENCODER HARDWARE INTERFACE. IT CAN MAINTAIN STABLE PRINTING QUALITIES AT HIGH OR LOW TEMPERATURE AND IN DUSTY, DAMP, INTERFERENCE ENVIRONMENT.

IT HAS A STABLE AND EFFICIENT LINUX SECURITY INTELLIGENT OPERATING SYSTEM, AN INDEPENDENTLY DEVELOPED ULTRA-HIGH-SPEED PRINTING MANAGEMENT SYSTEM, WHICH CAN ACHIEVE DYNAMIC INFORMATION GROUP PRINTING. TX1 SUPPORTS TRACEABILITY SYSTEMS, ANTI-COUNTERFEITING SYSTEMS, FOOD AND DRUG MONITORING CODES, AND DYNAMIC DATABASES. THE PRINTING SPEED CAN REACH UP TO 406M/MIN, AND RESOLUTION RATION UP TO 600DPI. WE SUPPORT OEM AND CUSTOMIZATION.



Technical Parameters

Machine	Operating System	Embedded Linux operating system
	Main Hardware	Cortex-A7 1.2GHz dual core processor, FPGA algorithm acceleration chipset
	Communication Interface	USB, RS232, network
	External Interface	Optical sensor, encoder, upside down control
	Power Supply	100-240V AC input, 30V 1.5A DC output
	Material	Industrial grade standard protective case (aerospace grade aluminum)
Printing	Size	128mm*87mm*27mm
	Work Environment	Temperature: 0-45°C, humidity: 30-70%Rh
	Printing Type	TIJ 2.5 Thermal Foaming Head
	Print Accuracy	Up to 600x600 DPI, adjustable printing gray level 1-6
	Print Height	Min 1mm/Max 12.7mm
	Speed	406m/90DPI, 304m/120DPI, 240m/150DPI, 120m/300DPI, 60m/600DPI
Printing	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 Substrate	Cardboard, plastic, electronic component, metal, cable, wireless, stone, pipe, auto parts, industrial and chemical packaging, pharmaceutical/food/gift packaging
	Ink Type	42ml food grade/water based/oil based/weak solvent/ solvent ink cartridge, CISS with large capacity ink bag
	Ink Color	Black, white, red, yellow, blue, green, invisible, UV
	Cartridge Chip	RFID non-contact chip for automatically identifying ink parameters and recording ink remaining



Packing carton



Medicine



Furniture and wood



Food packaging



PET plastics



GS1 Data Matrix



Dynamic security barcode



Multi-group printing



HD bold font



Multi-dot font

Features:

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

Codpad
Member of DOCOD

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Dynamic traceability database high speed printing solution
OEM ODM SDK one-stop service

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