



Thermal Transfer Overprinter NPX3/NPX5

Product Introduction

Represent an advanced coding solution that can meet personalized and diversified demands from customers in various industries, such as food, medicine, daily chemicals, veterinary drugs, pesticides, household paper, finance, etc. Bring excellent code prints in flexible film packages, can print variable data, QR code, graphics, 2D code, random code for traceability and anti-counterfeiting.

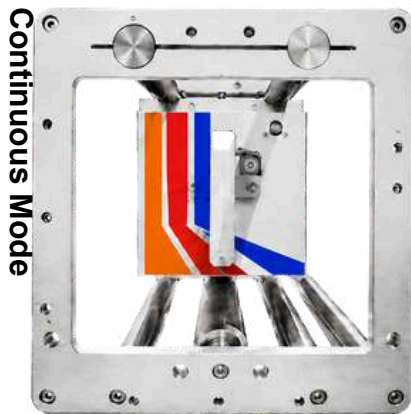


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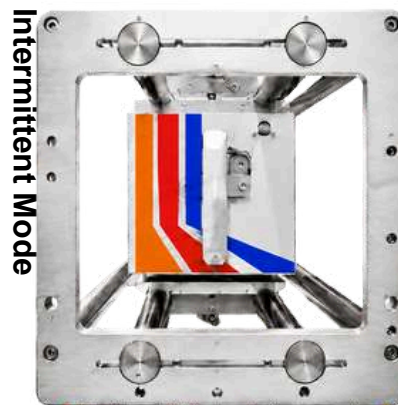
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Product Features



Continuous Mode



Intermittent Mode

Build-in Intermittent and Continuous

Customers can independently choose the corresponding working mode according to the change of production line, so as to realize the reuse of one coding machine and save cost.

- Continuous Mode
- Intermittent Mode



Excellent Quality Prints

- 300DPI High Resolution
- 300DPI High-Quality Prints
- Provide Ultra Print length up to 150mm on continues mode
- Maximum printing up to 350 times/min (depends on message)



Product Features

Easy-to-use Design Software

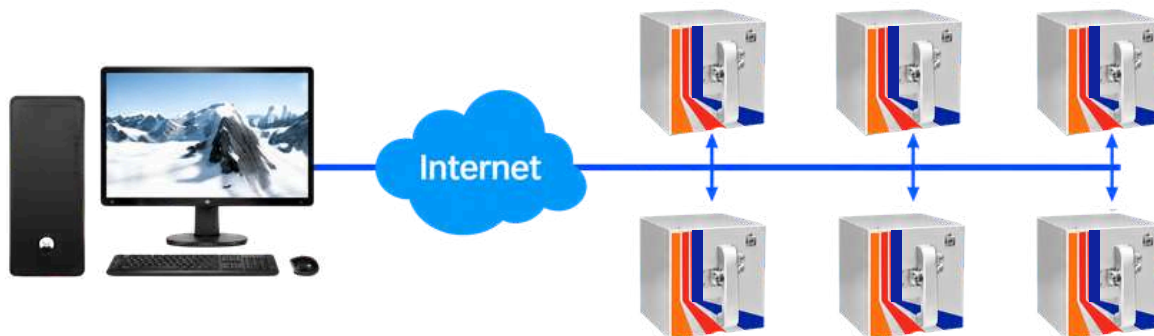
Flexible Print Text: real time, dates, variable data, bar codes, QR codes, Logo, graphics, tables, etc all the contents can be edit and perfectly printed. Support to edit and print all languages like English, Spanish, Arabic, Iranian, Japanese, Korean etc; support Persian calendar and Islamic calendar; Support international GS1 code.

Simple Operation

Easy swap touch pad, can be removed to control others after the device works normally realizing one to many control and greatly reducing the risk of device failure

Cost Advantages

Optimized Ribbon usage, 0.1mm gap between prints, Ribbon saving features help to minimize reduce ribbon consumption and waste. Low cost accessories, greatly reduce maintenance costs.



Remote Control

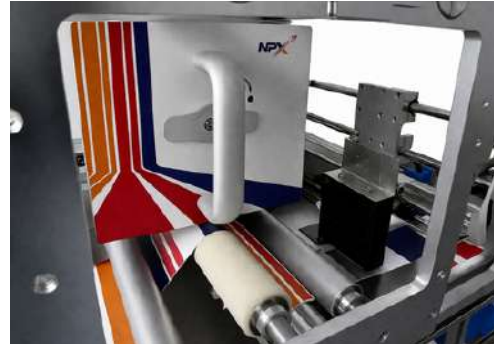
PC control system is specially designed for one computer to remotely manage six printers at the same time, and realize contactless starting/stopping, changing print jobs, setting equipment parameters, monitoring equipment status and other routine operations.

Specification

Specification	NPX3		NPX5	
	Intermittent	Continuous	Intermittent	Continuous
Printhead	32mm, 300 DPI		53mm, 300 DPI	
Print Area	32mm x 75mm	32mm x 150mm	53mm x 90mm	53mm x 150mm
Print Speed	≤ 30 m/min	≤ 40 m/min	≤ 30 m/min	≤ 40 m/min
Frequency	≤ 260 times/min	≤ 350 times/min	≤ 260 times/min	≤ 350 times/min
Print Job	Real Time, Date, Variable Data, Automatic Shift Code, Serial Number, Logos, Barcodes, QR Codes, Nutrition Tables, etc.			
Bar Code	Code128 (Support GS1 Mode), EANX, Code11, QR Code (Support GS1 Mode), C25matrix, C25inter, C25iata, UPC-A, UPC-E, EAN128, PDF417, DataMatrix (Support GS1 Mode), etc.			
PC Control System	Include all features of the Touch Pad interface, support promotional codes, unique random codes, manage max. 6 printer units simultaneously, provide communication protocols.			
More Features	Ribbon saving modes; Automatic repeat print; Position-compensation prints (support combination)			
Menu Languages	English, Traditional Chinese, Spanish, Portuguese, French, Arabic, German, Russian, Italian, etc.			
Touch Pad	Support Hot-swap			
COM Interface	USB, RS232, TCP/IP			
Max Ribbon Length	500m		600m	
Ribbon Width	22mm ~ 33mm		35mm ~ 55mm	
Power Supply	AC110 ~ 240V, 50/60Hz			
Power	200W			
Dimension (L x W x H)	190mm x 180mm x 170mm		210mm x 180mm x 170mm	
Handheld Touch Pad	220mm x 120mm x 30mm			
Weight	Print Unit: 7.5kg, Touch Pad: 0.85kg		Print Unit: 8.0kg, Touch Pad: 0.85kg	
Working Environment	Temperature: 0-40°C; Relative Humidity: 10-90% (Non-condensing)			
Air Supply	0.35 ~ 0.6Mpa, Dry and Clean			



Surface Vision Inspection



SEE Surface Vision Inspection System

I-SEE Surface Vision Inspection System adopts Contact Image Sensor (CIS) scanning technology and can be integrated with TTO Printers for code/mark inspection. It can efficiently detect missing, defective, or incorrect prints and output a signal for alarm, reject, or machine shutdown.

Key Features:

- Scanning Area: 54 mm × 200 mm
- Image Resolution: 300 DPI
- Scanning Speed: Up to 80 m/min, 700 times/min
- Scanning Content: Number, character, barcode, QR code, comparative database etc.

Specification	Wax-Resin	Premium Wax-Resin	Resin
Model	JPN Series NPX Series	JPN Series NPX Series	JPN Series NPX Series
Base Film Thickness	4.0 ± 0.3 μm 4.5 ± 0.3 μm	4.0 ± 0.3 μm 4.5 ± 0.3 μm	4.0 ± 0.3 μm 4.5 ± 0.3 μm
Total Thickness	6.0 ± 0.3 μm 7.0 ± 0.3 μm	6.0 ± 0.3 μm 7.0 ± 0.3 μm	6.0 ± 0.3 μm 7.0 ± 0.3 μm
Ink Melting Point	70–80°C	80 - 85°C	90 - 100°C
Ink Color	Black / White	Black / White	Black / White
Max. Print Speed	30IPS 45m/min	30IPS 45m/min	30IPS 45m/min

