

TTO Printer NPX Series

Intelligent Coding

Represent an advanced coding solution that can meet personalized and diversified demands from customers in various industries, such as food, medicine, daily chemical, seeds, veterinary drugs, pesticides, house paper, finance, etc.

Bring excellent code prints in flexible film packages, support text, dates, variable data, QR code, bar code graphics, table, random code printing for traceability, etc.



Thermal Transfer Overprinter

Reduce Cost

- **Intermittent/Continuous Combined Printer**
Adapt to production line changes, reuse one machine, reduce enterprise costs.
- **No cost print-job creation**
Free of charges MarkDesigner Software
- **Ribbon Saving System**
0.1mm ribbon gap between prints.
Offset repeat printing
Ribbon Compress
Print Compress

Excellent Print Quality

- **Maximum Printing Area**
90mm (intermittent mode) and 150mm (continuous mode) printing range
- **Maximum Printing Speed**
Up to 300 prints/min (intermittent mode) and 380 prints/min high-speed printing
- **300DPI High-Quality Prints**

Easy Operation

- **Hot-Swap**
HMI can be removed during printer running, realizing one-to-many control to reduce the risk of device failure
- **Remote Control**
Dalos program can realize one PC to remotely manage max six printers at the same time, and realize contactless starting/stopping, changing print jobs, setting equipment parameters, monitoring equipment status and other routine operations.



Main Advantages



User-friendly Interface

- 7" inch smart touch screen
- Hot-swap
- DaLos control system



Ribbon Cassette

Ingenious design to deliver excellent ribbon efficiency
Fast to replace ribbon to maximize production uptime



I/C Combined & LH/RH Exchange

Working modes can be switched freely on settings between continuous and intermittent.
Easy to exchange between LH and RH





Parameters



NPX3



NPX5

Performance

- **Printer Mode**
Intermittent and Continuous Motion
- **Printhead**
NPX3: 32mm, 300dpi
NPX5: 53mm, 300dpi
- **Print Area**
Intermittent
NPX3: Max.32mm x 75mm
NPX5: Max.53mm x 90mm
Continuous
NPX3: Max.32mm x 150mm
NPX5: Max.53mm x 150mm
- **Ribbon Width**
NPX3: 22mm - 33mm
NPX5: 33mm - 55mm
- **Max Ribbon Length**
NPX3: 500m
NPX5: 600m
- **More Features:**
Auto Print
Repeat Mode
Ribbon Save

Printing Capabilities

- **Print Jobs:**
Real Time, Date, Variable Data, Automatic Shift Code, Serial Number, Logos, Barcodes, QR Codes, Nutrition Tables, etc.
- **Bar Codes:**
Code128 (Support GS1 Mode), EANx, Code11, QR code, C25matrix, C25inter, C25iata, UPC-A, UPC-E, EAN128, PDF417, DataMatrix(SupportGS1 Mode), etc.

Ribbon Range

- Full assortment of wax/resin and resin ribbons

Operator Interface

- **Interface Language:**
Simplified Chinese, English, Traditional Chinese, Spanish, Portuguese, French, Arabic, German, Russian, Italian, etc.

Installation Options

- Universal mounting system allows the integration of the coding machine into both intermittent and continuous motion packaging machinery.

External Communications

- COM Interface: USB, RS232, TCP/IP

Softwares

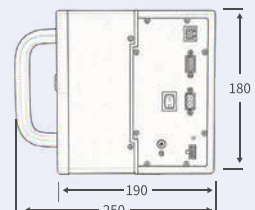
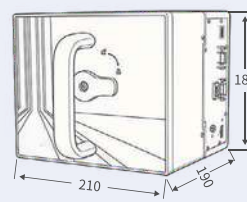
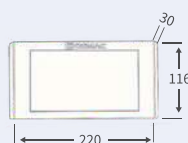
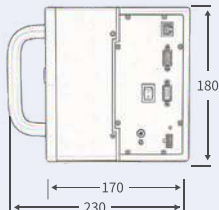
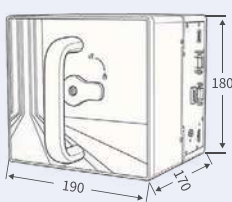
- Network management software DaLos
- Print Design Software MarkDesigner (free)

Other Characteristics

- **Power Supply**
AV110~240V 50/60Hz, 200 W
- **Air Supply**
0.35~0.6Mpa, Dry and Clean
- **Weight**
NPX3: Print Unit: 7.5kg, Touch Pad: 0.85kg
NPX5: Print Unit: 8.0kg, Touch Pad: 0.85kg
- **Operating Temperature**
0°-40°C
- **Relative Humidity**
10-90%(Non-condensing)



* Print speed and production efficiency depend on resolution, substrate, application and settings.



NPX3^e

Motor-driven



“ With lower usage costs and better operating experience, meets basic coding applications, helping to improve product marking quality and brand image

High-Quality Printing

- 300 dpi high resolution (12 dots/mm)
- Up to 300 high-speed printing per minute
- Supports printing at a production line speed of up to 660mm/s

Lower Cost

- Airless source design, no need for compressed air equipment
- Multiple ribbon saving modes available
- As low as 0.1mm ribbon printing interval

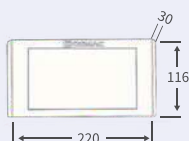
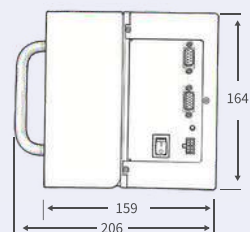
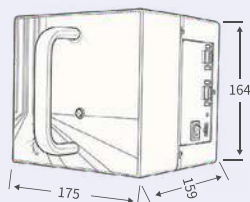
Easy to Use

- Compact one-box solution, suitable for installation in various applications
- High definition touchpad, flexible installation, convenient and easy to use
- Free MarkDesigner to quickly complete print file design





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Intermittent and Continuous Motion
- **Printhead**
32mm, 300dpi
- **Print Area**
Intermittent
Max.32mmx60mm
Continuous
Max.32mmx150mm
- **Maximum Throughput**
Intermittent: Up to 200 times/min
Continuous: Up to 300 times/min
- **Print Speed***
Intermittent: Up to 30 m/min
Continuous: Up to 35 m/min
- **Ribbon Width**
22mm - 33mm
- **Max Ribbon Length**
500m
- **More Features:**
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Repeat Mode
Ribbon Save

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