HAOTIAN®
浩田数码

UV INK JET DIGITAL LABEL PRINTING PRESS

（Digital Printing Machine Manufacturers with Core Competitiveness .）

Founded in 1999, it is a high- tech enterprise headquarter in Baiyun, Dist.-Guangzhou. Company has successfully developed a 5-colour digital printing press after more than ten years from the production and manufacture of self- adhesive label press to intermittent rotary machine, intermittent offset printing machine, inkjet press etc...

Haotian is one of the earliest enterprises to develop digital printing in China. After co-operating with founder, the completely independent research and development of digital driver board and colour management software, eventually became a manufacturer with the core technology of digital printing.

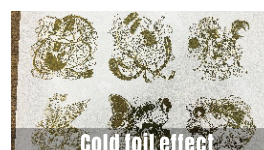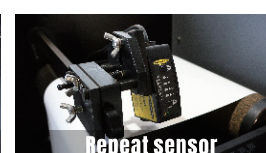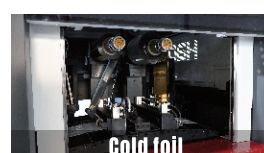# HGP-220/330-Foil + Varnish Digital Label Printing Press

The Equipment parameters

Printing Technology	UV Inkjet Techonology *Xaar and Kyocera Printhead customized	Air Source	0.6 ~ 0.8 MP
Resolution	Kyocera: 600*600 & 600*1200 DPI Xaar: 720*360, 720*720 DPI	Power Supply	3 Phase + N + PE 380VAC 50/60 Hz
Printing Speed (m/min)	5-40 m/min *The maximum printing speed may vary by complexity of printing file	Supported File Formats	TIFF
Material Type	Coated or Uncoated Paper, Transparent or Non-Transparent Materials	Computer Hardware	Mainboard: HTS-Prime Z370-A, Graphics card: GTX1070-O8G
Winder Roll Diameter	Maximum 600 mm	Printing Substrate Thickness	0.055 - 0.8mm For Roll to Roll material
Foil Roll Diameter	Maximum 250 mm		
Feeding Width	Minimum: 220 mm Maximum: 345 mm	Image Processor	RIP Bundling: Synchronizes printing and RIP for large data files, saving work time.
Actual Printing Width	Minimum:216mm Kyocera Printhead Maximum: 324 mm Xaar Printhead Maximum: 340 mm	Drying Method	LED Curing with Water-cooled Roller Operation
Ink Type	LED Curing Ink		
Printing Color Group	2 Units of Varnish & Foil	Temperature Range	18 ~ 30 °C
Machine Dimensions (L*W*H)	About 4000*1700*1650 mm Size may vary by customer's required configuration	Ink Storage Temperature	16 ~ 32 °C
Machine Weight	About 3 tons Weight may vary by customer's required configuration	Humidity Range	40 ~ 60 °C

PERFORMANCE AND FEATURES

- Mufti-function can synchronize varnish and digital cold foil.
- It can achieve variety of printing effects and process requirements optional nozzle XXAR and Kyocera.
- The thickness of varnish with different ink volume can be adjusted and the 3D effect of super large ink volume is very good.
- It Can be used with traditional printing machines for secondary printing to add different special effects to ordinary labels,

Cold foil

Repeat sensor

Cold foil effect

DIGITAL UV INKJET LABEL PRINTING PRESS
HTS-220/330-4~7C
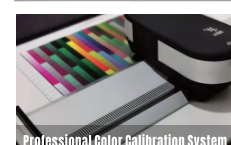
THE MAIN TECHNICAL PARAMETERS

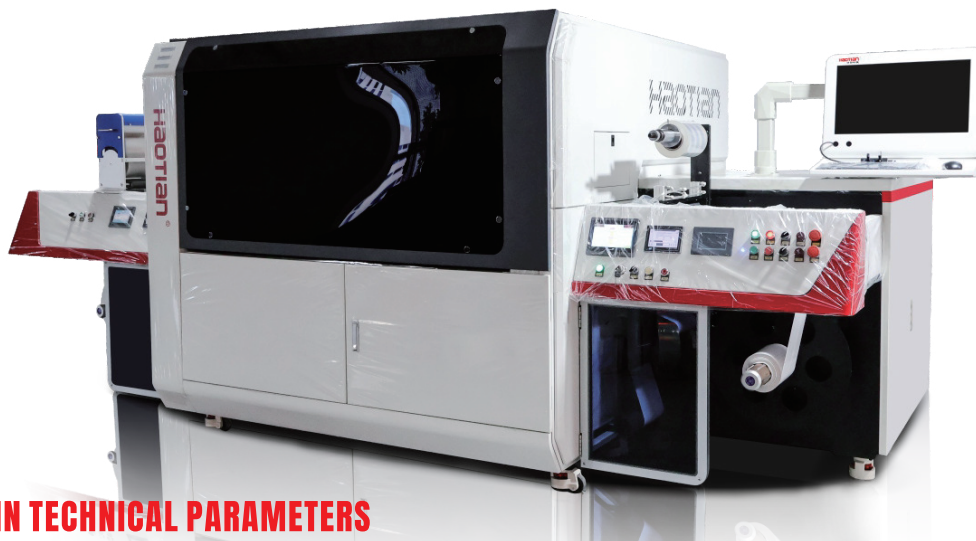|			
Model	HTS-220/330-4~7C	Thickness of printing stock	Roll materials in 0.055 to 0.8mm
Printing speed/min(max)	50m/min	Roll diameter of charging or discharging	Maximum diameter: 600mm.
Temperature range	18-30°C	Machine size (L*W*H)	4000mm x 2040mm x 1850mm.
Storage temparure for ink	16-32°C	Power Supply	Three-phase 380VAC 50/60HZ 10KW.
Humidty range	40-60%	Accepted file format	PDF,JPEG,BMP and other common file formats.
Air Source	0.6-0.8 Mp	Material type	Coated or non-coated paper,transparent or non-transparent medium.
Width of paper feeding	220 mm, 330mm	Computer hardware	Main board with HTS-PRIME Z370-A: graphics card with HT5-GTX1070-08G.
Printing width	216mm, 324mm	Resolution	DPI 600 x 600 dpi or 600 x 1200 dpi DPI/rate 1200 dpi 25m /min, 2400 dpi 12.5m/min.
Machine weight	3.5 tons approimately	Printing technology	Single PASS UV ink-jet technology, DOD tenchnical grade nozzle and 4-grade scale.
	Cured UV printing ink	Image processor	RiP bundle,and synchronous printing and RIP for big data files are supported,saving RIP time.
Color cell of printing	CMYK+W+O+V	Drying mode	700W/LED/C.End dry: 3KW/LED & 10KW/UV

PERFORMANCE AND FEATURES

- CMYK+W+O+V colour group. The self- developed 4-7 colour separation system has a wider printing colour gamut more vivid colours, and more delicate colour harmony which further expands. The scope of printing adaptation and at the same time saves on printing consumption, the material cost also greatly reduces its ink cost. It is easy to realise full- colour printing of transparent and non- transparent materials.

- Variable data processing system, easily realise variable data printing such as a barcode, QR code, serial number dot matrix code etc. to needs of anti-counterfeiting traceability orders.

- The patented technology of automatic nozzle cleaning and maintenance system (e-clean) can effectively clean and maintain. The nozzle module reduces the waste of maintenance printhead ink and human factors, to damage the printhead, prolong the service life of the printhead.

- Mature and stable circulation ink supply system, modular independent positive and negative pressure control segmented filter technology shinan's top ink degassing technology, to ensure the stability and reliability of ink supply.

- The printing section adopts dual- servo tension control, front and rear feeding and unwinding tension control stable and reliable tension control system to ensure smooth paper feeding and registration accuracy.

7 Color Printing Unit

Professional Color Calibration System

Computer Controller

DIGITAL UV INKJET LABEL PRINTING PRESS
HTS-220/330-8~9C

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PERFORMANCE AND FEATURES

- **8-9 sets of printing modules**
  A variety of printing modes are available. It can be equipped with 8~9 printing modules, and a variety of printing processes can be realized. Easy to achieve transparent non-transparent materials full color printing support multi-plate queuing, plateless printing one print, variable data and other functions.

- **Multi-spot color mixed printing mode**
  The broader color gamut supports over 90% of pantone colors The multi-spot color mixed printing mode makes the printing color gamut more extensive, further expands the printing scope, reduces the cost of ink reduces the printing process and greatly improves the efficiency.

- **High speed/high precision/printing head High quality | high profile |long life**
  Using the world's most high-speed and high-precision industrial on-demand piezo nozzle, the speed can reach 50M/min, the accuracy can reach 600x1200dpi, with high quality, high precision, long service life and other characteristics.

- **Material adaptability Reduce processes | Reduce costs**
  Printing is non-contact inkjet mode, no need to make coating when printing material Adaptability Paper, PVC, PET, PE, BOPP, Gold and Silver foil and other materials The surface does not need to be pre-coated reducing the process and reducing the cost.

Repeat sensor

9 Color Printing Unit

Computer Controller