



## EagleJet P5100

### A Smart Designed Digital Text Printing Solution

With 25-year experience of dedicating in printing industry, P5100 is introduced as the ever best price/performance inkjet press solutions, not only because of the price, but thanks to creative R&D team brought up innovative technologies. Two of them are benefiting the most, Taichi Tower® extends life time of jet head greater than 10%, minimizes the service actions due to heating caused nozzle block, a big save of approximate 30% of wash ink and related off time. And, Direct Stream® delivers paper front & back side in smarter way, non-turn-bar transportation mean brings a greater stable of web paper feeding.

## Technology Highlight

### ► Taichi Tower ©

Water-based inkjet imager plays a water game of printing, while the dryer has to play the fire game to dry the water-based prints. The two facts are the key technologies presenting inkjet press alive, but they are also building the main competition damaging the production -- the fire hot dryer is burning & blocking the jet nozzles. The innovative Taichi Tower© maintains excellent playground to both of the water and the fire, while benefiting each other.



### ► Direct Stream ©

Duplex printing usually demands traditional turn-bar unit turning paper from one side to the other, at the mean time it trembles the paper transportation, which requires more complex and expensive stabilizing system and tension adjustment. Founder Direct Stream© drives both sides in a smarter, simple but more stable way.



Other Founder's creative technologies include **EagleJet® Imaging System©**, **Extreme RIP Matrix©** and **EasePrint® EJP Job Manager©** etc.

## Technical Specification

Resolution	600x360dpi, 600x600dpi Option: 600x960dpi, 600x1200dpi
Max Speed	100 mpm (328 fpm), up to 1010 A4 ppm Optional speed: 150 mpm (492 fmp)
Color Mode	Monochrome 1bit Option: monochrome 2bits*, dual-color 1bit **
Substrate	Type: uncoated, treated, Chinese traditional rice paper, inkjet coated Handling/imaging width: 520mm/474mm (20.4"/18.7") Handling weight: 45-165 gsm
Ink Type	Water based pigment/dye ink
Dryer	Infra-red plus hot-air
Electricity Power	Transportation platform: 380VAC, 40KW Dryer: 380VAC, 1-45KW Control desk: 220VAC, 20KW
Dimensions/Weight	5000x1800x2000mm*** (LxHxW)/ about 5 tons
Operation Environment	Temperature: 22.5-27.5°C Humidity: 40-80% RH
Digital Front End	Technology: Founder <b>Extreme RIP Matrix</b> Founder <b>EasePrint EJP Job Manager</b> Speed up to 3800 pages/minutes PostScript 3 & PDF 1.7 enabled Supported format: TIFF, EPS, PS, PRN, DOC, XLS, RTF, PDF, S2, S72, CEB, etc. ICC based color management, device link
Inkjet Imaging System	Technology: Founder <b>EagleJet Imaging</b> technology Founder <b>Centralized Imaging Control Desk</b>
Transportation System	Technology: Founder <b>Taichi Tower</b> system Founder <b>Direct Stream</b> paper transportation system
Inline Post Print Options	Re-winder, die cutter, stacker, shingling & deliver table, folder, puncher... ready for all available finishing units following TYPE-1 plus interface, from Hunkeler, LaserMax, Tecna and so on.
Pre-post Print Handling	Web-print open wind, open finishing (see inline post print options)
Duty Circle	34M pages per month****




\* Requires change of inkjet printing unit.

\*\*\* Includes open-winder, and optional re-winder.

\*\* Requires additional ink supply system.

\*\*\*\* Based on 24 hours per day, 6 working days per week, with 10% off time @ speed 100ppm.

## System Configuration

P5100 Entry		text print	monochrome 1bit	duplex
P5100 Grand		text/graphic print	monochrome 2bits	duplex
P5100 Dual-color		text print	dual-color 1bit	duplex

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