

# i-Jet

## New series CIJ Inkjet Printer Easy coding, simple control

Rottweil® i-jet series CIJ Inkjet Printer is an industrial ink jet printer designed with latest LINUX operation software and most reliable hydraulic system.

Adopted advanced technology, Rottweil® i-jet is a perfect integration of stable performance, easy operation, universal applications with affordable cost, in ownership and operation, to provide you extraordinary easy coding experience on your demand.

- 32 digits embeded LINUX operating system, five CPU chips
- Advanced diaphragm pump, overload protection
- USB flash disk, save/load print message & config easily
- Solvent bottle detector, ensures smooth running
- Pop-up window for regular maintenance (2,000 hours)
- TFT color screen, QWERT int'l standard keypad
- CE / ISO 9001 certified



Training movie clips  
(Optional)



Save/load text & config  
with flash disk



TOTAL SERVICE



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Easy coding

## Inkjet Specification

### Interface & Communication

- 7" TFT color screen, along with int'l standard QWERT keypad
- USB port-easy upgrading; Easy save/restore of text & config for one or more printer
- Ethernet port (10/100MB)
- RS232/485 port

### Electronic & Software Features

- 32 digit embedded LINUX operating system
- Five processing chip adopted, multi-tasks operation is available
- User friendly interface, WYSIWYG message/graphic/logo editing
- Storage memory 40MB
- "RUN/STOP" hot key to start and shut down automatically
- "INFO" hot key to list fault history
- "PRINT MENU" hot key to enter printing menu instantly
- Automatic error diagnosis and error history saved for maintenance purpose
- USB/Ethernet software automatic upgrading
- Pop-up window to remind changing filters after 2,000 hours running
- Real time and date with calendar
- Three print mode: High Speed, Standard, Graphic to meet different applications
- Message format: Horizontal-reverse, Vertical-reverse, Negative, Double Space, Bold, Character width
- Defined grid value to move the editing cursors at certain dot
- 3 counters & 4 shifts, automatically
- Graphic/logo editing software integrated as standard, full screen
- OPS (Encoder direction recognition and print compensation function)
- DMS (Distance Measuring System) using encoder signals (from start of print to next start of print)
- Password gives access to different level of users
- Multi operation languages available
- Movie player available, to put training clips in USB disk, for operators (Optional)

### Printing Features

- Expiry date, Batch number, Bar codes (EAN 8/13/128, 2/5\_INTERL, CODE 39/128, ITF\_14/16, UPC8/12, EXT\_2/5), Data matrix, Logos, Automatic date, Julian date, Time, Shift, Incremental numbering, Database printing (Optional)
- Vertical 48 dots maximum
- Character printing height 1mm~15mm
- 6 lines of 7x5 printing, 8 lines of 5x5 printing
- Multi-fonts available, can be customized upon request max. 48 dots vertically
- Direct input Arabic/Chinese/Farsi/Russian characters with keypad
- Printing speed (single line): 250m/m (5x5), 180m/m (7x5)

### Hydraulic System

- Compact design
- Full automatic pressure control
- Full automatic viscosity control
- Temperature sensor to assist accurate viscosity control under harsh environment
- Diaphragm pumps with reliability, longer life, low maintenance cost than gear pump, no direct friction with pigment ink to ensure longer life & high contrast printing
- No need for compressed air as driven power for pumps
- Pressure pump overload protection, ensure more durable & long life use
- Electrical control system completely separated design from hydraulic system
- 600ml ink/solvent bottle, easy to refill when printer running
- Detector in solvent bottle to give alarm when lack of sufficient solvent

### Ink Range

- Full range of inks for alternative applications

### Print Head

- Magnetic shielded print head cover
- Ink drop observing magnifier integrated
- Positive air access available, to print head to ensure the print head clean, under dusty environment
- Valves embedded design
- Easily accessible and can be installed at any position
- L shape head is available upon request
- Nozzle size 55 µm standard, 42/70 µm optional
- Distance from print head to print surface 1mm~25mm

### Physical Features

- Printer house/Cabinet: Stainless steel, IP 54
- Umbilical hose/conduit (standard): Length 2500mm, diameter 20mm
- Printer dimension: H550mmxW300mmxD320mm
- Print head dimension: H180mmxW43mmxD44mm
- Gross weight: 33.5KG
- Power supply: single phase, 110V~240V, 50/60HZ
- Electrical plug: Multiple type available
- Working environment temperature: 5~45 °C(35~100 °F)
- Working humidity: max. 90% R.H., non-condensing

### Optional Accessories

- Photo sensor
- Shaft encoder
- Bracket/Print head stand
- Alarm system, three color green/yellow/red
- Conveyor, speed adjustable
- Condensor, solvent recycling system
- Sliding table, along with photo sensor and encoder for exhibition or demonstration
- PC graphic/logo software
- Database printing software
- Training movie clips package
- Other accessories or facilities upon requests

### Certification/Standard approved

- TÜV/ISO9001
- CE (EMC, MD&LVD)

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### ROTTWEIL® INKJET PRINTER

Rottweil® MFC (Manufacturing Site)  
T15-1-4, No.999, Ningqiao Rd., Pudong New District, Shanghai 201206 P.R.China  
T: +86-21-5834-8225 F: +86-21-5834-8193  
E-mail: info@rottweilglobal.com  
Website: www.rottweilglobal.com

Linux System



Print Head



Hydraulic System

