DRUCKER

Drucker-α1 Plus

New series CIJ Inkjet Printer
Easy coding, simple control

Drucker - α1 series CIJ Inkjet Printer is an industrial ink jet printer designed with latest LINUX operation software and most reliable hydraulic system.

Adopted advance technology, **DRUCKER** is a perfect integration of stable performance, easy operation, universal applications with affordable cost, in ownership and operation to provide you extraordinary easy experiencer on your demand.

- **32 digits embeded LINUX operating system, five CPU chips**
- **Original made-in-German diaphragm pump, overload protection**
- **USB flash disk, save/load print message & config easily**
- **Ink & Solvent bottle detector, ensures smooth running**
- **Pop-up window for regular maintenance**
- **TFT color screen, QWERT int'l standard smart-phone input**
- **CE/ISO 9001 certified**

DRUCKER

Inkjet Specification

Interface & Communication

- 10"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

Electronics & Software Features

- 32 digit embedded LINXU 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 filter
- 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
- OP5(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)

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 then 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 endurable & long life use
- Electrical control system completely separated design from hydraulic system
- 1500ml ink/solven bottle, easy to refill when printer running
- Detector in ink/solvent bottle to give alarm when lack of sufficient consumable

Print Head

- Magnetic shielded print head over
- 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 55μm standard, 42/70 μm optional
- Distance from print head to print surface 1mm~25mm

Physical Features

- Printer house/ Cabinet: Stainless steel, IP54
- Umbilical hose/conduit (standard): Length 2500mm, diameter 20mm
- Printer dimension: H550mmxW300mmxD320mm
- Print head dimension: H180mmxW43mmxD44mm
- 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
- Gross weight:33.5kg

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 smart phone input
- Printing speed (single line): 250m/min (5x5), 180m/min (7x5)

Ink Range

- Full range of inks for alternative applications

Other Accessories

- Photo sensor
- Shaft encoder
- Bracket/Print head stand
- Alarm system, three color green/yellow/red
- Conveyor, speed adjustable
- Condensor, solvent recyding 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)

Print head

Hydraulic System

Linux System

UNITY SOLUTION CO.,LTD. (Head Office)

1013 Moo 4 T.Thepharak, A. Muang Samut Prakarn,

Sumut Prakarn 10270

Tel. 081-1492241, 064-1195159 Fax. 02-0485320

E-mail : info@unity3.biz ,www.unity3.biz