INK JET PRINTER

PXR Series Continuous IJ Printer for Industrial Marking

Hitachi IJ Printer PXR-P model

The world's first IJ Printer with Large Color LCD Touch Panel (10.4 inch).

User-friendly!
Multi-functional!
Small & Light!

Pigment

Easier operation and maintenance

>>> The newly developed ink circulation system makes operation and maintenance the same as with ink jet printers for non-pigmented ink.

>>> The ink circulation system includes an automatic intermittent mechanical stirring system using a specially designed magnetic stirrer to maintain precise pigment suspension.

>>> In daily operation, the mechanical stirring system maintains stable pigment dispersal.

>>> The specially designed pump has an extended life with pigment ink.

>>> The ink filter in the newly developed ink system is easy to replace.

More Reliability

>>> Full protection against dust and water jets in harsh environment(IP55).

>>> New viscosity control and current ink density control help to achieve stable drop formation and high quality printing.

>>> Improved ink circulation system provides more stable ink return.

>>> More wide operating temperature 0－40°C (JP-W73).

>>> The use of a PCMCIA card ensures safe data storage.

>>> Strong Printhead.

Pigment type IJ Printer **PXR-P** model

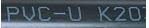**The pigment IJ Printer allows for good contrast and adhesion on a broad range of dark surface products.**

More friendly

>>> TFT LCD is adopted for lage color LCD touch panel(10.4 inch).
The TFT LCD's good brightness & visiblilty make the operation easier and quick.

Integration of high-tech and state-of-the-art design

>>> Easy and quick operation by large color liquid crystal touch panel.
Edit message screen can be set to ABC or QWERTY format.

>>> Nozzle and gutter are automatically cleaned before stopping.

>>> Small footprint and light.

>>> Solvent evaporation is reduced by the ink return system which confines the mixing of air and ink.

>>> Various printing functions are available.
[Line mixture and font mixture, creation of user patterns, bar code printing, etc.]

>>> Various coding functions are available.
[Date / time automatic update, calendar substitution, basic numbering, etc.]

>>> User-friendly coding functions are available.
[Recall / registration, reciprocation printing, speed follow-up, etc.]

>>> Help functions are available.
[User help messages, log management function, password function, etc.]

2 Line (5 x 7 Bold)	2 Line (7 x 10)	3 Line (7 x 10)
LOT NO. ABCD-1234	USE BY 07.04.30 MFG.NO.06.03.01	USE BY 2007.04.30 MFG.NO.2006.03.01 LOT.NO.0123456789

Different font mixed (12 x 16, 5 x 7)		Bold (5 x 7)	Bold (7 x 10)
12x16 HITACHI	5x7 IJ PRINTER	5×7 DOUB	7×10 DOUB

1 Line (18 x 24)	Different font mixed (5 x 7, 24 x 32, 12 x 16)	Logo (18 x 24)
HITACHI	HITACHI 0123456 ABCDEFG IIJP 2007 Code	

Standard Specifications : Nozzle size 65μm

Printing specifications

Model	PXR-P460W
Nozzle size	65 μm
Max. number of lines	Up to 4 Lines
Maximum number of Characters per line	1 Line : Up to 240 characters 2 Line : Up to 120 characters 3 Line : Up to 80 characters 4 Line : Up to 60 characters
Font (Dot matrix) **(Horizontal x vertical)**	1-4 Line : 5 x 5, 5 x 8 (or 5 x 7), 9 x 8 (or 9 x 7) 1-3 Line : 5 x 5, 5 x 8 (or 5 x 7), 7 x 10 (or 9 x 7, 9 x 8) 1-2 Line : 12 x 16 1 Line : 18 x 24, 24 x 32
Character height	0.08-0.39 inches / 2-10 mm
Display & input device	Display : TFT LCD (10.4 inch, color), backlight provided Input Device : Touch panel, confirmation beep
Screen language **2 language selectable**	English, Chinese, Korean, Thai, Vietnamese, German, French, Dutch, Italian, Spanish, Portuguese, Swedish, Danish, Greek, Russian, Czech, Polish, and Arabic available
Maximum print rate	Up to 2,083 characters / s (Font 5 x 5, space 1, 1 line)
Standard characters	Alphanumeric (A-Z, a-z, 0-9), punctuation, space, symbols (27): Total 90
Number of logos / special character storage	Up to 128
Print functions	Calendar, Counter, Message storage (150 messages), Font mixture, Passwords security, Bar codes (Code 39, ITF, NW-7, EAN13 / UPC-A, Code 128 / EAN128), Data Matrix 2-D code (Alphanumeric : 12 characters), Encorder function, Reciprocation printing, etc.
Input signals	Print target detection, Printing stop, Reciprocative printing, Rotary encorder pulse
Output signals	Print ready, Fault, Warning, Print in progress or Print completed, On line
Serial interface	RS-232C at baud rates selectable up to 19.2 kbps

General specifications

Printhead umbilical length	13.1ft / 4 m	**Operating temperature range**	32-104˚F / 0-40 ˚C (JP-W73 Ink)
Power supply **(Automatic voltage selection)**	AC 100-120 / 200-240 V±10 % 50/60 Hz 150 VA	**Humidity range**	30-90 % R.H. (no condensation)*
Cabinet	Stainless Steel / IP55	**Overall size** **(width x depth x height)**	15.7 x 12.4 x 20.3 inches / 400 x 290 x 515 mm
Air supply	29-58 psi / 0.2-0.4 MPa	**Approximate weight**	55 lbs / 25 kg
Approval	CE, UL, cUL, C-Tick		
*Note : When humidity is more than 85 % RH, please purge inside of printhead by air.			

JP-W73 Ink Specifications

Type / Color	MEK based White pigment ink
Light stability	The density of marking is not faded by sunshine carbon weather meter 150h acceleration test. This 150h acceleration test is comparable to 1-year exposure to sunshine.

Font Print Samples

5 x 5	1 LINE	0123456789A	0 1 2 3 4	2 LINE		3 LINE	4 LINE
5 x 7	1 LINE	01234567	0123	2 LINE		3 LINE	4 LINE
7 x 10	1 LINE	012345	012	2 LINE		3 LINE	
12 x 16	1 LINE	0123456789A 0123456		2 LINE	012 KLM		
18 x 24	1 LINE	0123456789 0123456 7					
24 x 32	1 LINE	0123456 01234					

Dimensions of Console and Printhead

Console

20.3"
15.7"
12.4"
Printhead

Printhead

1.57"
9.1"
1.57"

*1. The print samples have been produced under ideal conditions. Print quality depends printing speed.
*2. Hitachi Industrial Equipment Systems Co.,Ltd. (Hitachi) shall not be liable for any manufacturing loss, or any product damage due to trouble or malfunction of the ink jet printer.
*3. Hitachi continually improves products. The right, therefore, is reserved to alter the design and/or specifications without giving prior notice.

For further information, please contact your nearest sales representative.

ISO 14001   EC99J2009   ISO 9001   JQA-QMA12087