Coding & Marking Solutions

Thermal Inkjet Printer

HTJ Series

Half Inched Print Head Thermal Inkjet Printer

HTJ-1050

Technical Specifications

Printing Technologies	Plug and print with HP45 ink cartridge (Hewlett Packard TIJ2.5 inkjet technology)
Dimensions (LxWxH)	107.5 x 74.5 x 83 mm
Weight	450g (excluding cartridge)
High-Speed USB 2.0	2 USB ports
Control method	Stand-alone operation with Wireless keyboard Mobile app on Android device PC software
External connection	AUX I/O port for External sensor, External Encoder and Alarm Beacon
Resolution	Maximum 600x600dpi
Printing Speed	Maximum up to 76 m/min at 300x300dpi
Mounting brackets	Available
Anti-Shock	Available
Material housing	Black anodized aluminum
Density	Up to 5 levels
Throw Distance	Up to 6mm Duplicate with Print Distance

Features

Printability	Alphanumeric, logos, date/time, expiry date, Julian date, shiftcode, counter/lot box code, multiple types of variable barcodes and database
Maximum characters	Maximum characters input up to 150 characters per line
Maximum message length	Up to 500mm
Messages height	12.7mm
Messages storage	100 messages
Design Template	Free template design and control with PC application
Printable Character	Message line with predictable data: up to 6 lines from 1.69 – 12.7mm; Maximum characters input up to 150 per line
Security	Password protection Automatic recognition of inks (aqueous or solvent) and application of appropriate printing parameters
Printing distance	Up to 6mm
Print mode	Continuous mode, Sensor mode and Repeat mode
Print direction	Left to right, Right to left, Left to right reverse and Right to left reverse
Printable surface	Flat, Curve (pipe), Porous, Semi-Porous, Non-Porous
Menu languages	English (Default), Finnish, Spanish, German, French, Russian, Vietnamese, Chinese, Korean, Portuguese, Polish, Dutch, Italian, Turkish, Czech and Indonesian

Ink Solutions and Accessories

Ink type	Solvent-based and Water-based inks
Colors	● ● ●
Bulk Ink delivery system	Available for Water-based inks
Ink security technology	Smart chip

Operating Environment

Power supply	AC 100V–240V, 50/60Hz, 1.4A. Maximum power consumption: 48W
Operating Temperatures	5 - 40°C and 90% air humidity, non-condensing

One Inch Printhead Thermal Inkjet Printer

HTJ-1100

Technical Specifications

Printing Technologies	Plug and print with IUT ink cartridge
Dimensions (LxWxH)	107.5 x 74.5 x 83mm
Weight	526g (excluding cartridge)
High-Speed USB 2.0	2 USB ports
Control method	Wireless keyboard
External connection	AUX I/O port for External Sensor, External Encoder and Alarm Beacon
Resolution	Maximum 300x300 dpi Support: 300x300, 300x150 and 300x100 dpi
Printing Speed	Maximum up to 40 m/min at 300x300 dpi Support: 300x300, 300x150 and 300x100 dpi
Mounting brackets	Available
Anti-Shock	Available
Material housing	Black anodized aluminum
Density	Up to 3 levels
Throw Distance	Up to 6mm Duplicate with Print distance

Features

Printability	Text, Logo, Barcode 1D, Counter, Shiftcode, Box/Lot, Date, Time and Expiry date
Maximum characters	Maximum characters input up to 150 characters per line
Maximum message length	Up to 3 meters
Messages height	2.54 – 25.4 mm
Messages storage	100 messages
Design Template	Not support control via PC software
Printable Character	Message line with predictable data: up to 8 lines from 2.54 – 25.4mm; Maximum characters input up to 150 per line
Security	Password protection Automatic recognition of inks (aqueous or solvent) and application of appropriate printing parameters
Printing distance	1-6 mm
Print mode	Continuous mode, Sensor mode and Repeat mode
Print direction	Left to right, Right to left, Left to right reverse and Right to left reverse
Printable surface	Flat, Curve (pipe), Porous, Semi-Porous, Non-Porous
Menu languages	English (Default), Finnish, Spanish, Deutsch, French, Russian, Vietnamese, Chinese, Korean, Portuguese, Polish, Dutch, Italian, Turkish, Czech and Indonesian

Ink Solutions and Accessories

Ink type	Solvent-based and Water-based inks
Colors	● ● ●
Bulk Ink delivery system	Available
Ink security technology	Smart chip

Operating Environment

Power supply	12VDC - 5A , 60W
Operating Temperatures	5 - 40°C and 90% air humidity, non-condensing

Smart – Diverse connection Thermal Inkjet Printer

HTJ-4400 - PH-4000-I

Technical Specifications

Printing Technologies	Thermal inkjet technology
Dimensions (LxWxH)	Controller: 221.6 x 153 x 54.5 mm, Printhead: 141 x 46 x 72 mm
Weight (g)	1,750g
Resolution	Maximum 300x600 dpi
Printing Speed	40m/min @ 300x300dpi
Density	Up to 3 levels
Throw Distance	1~5 mm

Features

Control Mode	Controller box, Touch screen 7 inches
External Connection	AUX I/O port for external sensor, external encoder and alarm beacon connection
Printability	Alphanumeric, Logos, Date/time, Expiry date, Julian date, Shiftcode, Counter and Image; Multiple types of variable 1D, 2D barcodes; Real-time Print Online Data (POD)
Advance	Check health nozzle (good/bad) of cartridge; Support warming ink function to print messages at cold environment; Support WYSIWYG (what you see is what you get) function; Remote printer by PC via LAN port;
Length Template	Maximum length of template up to 3m
Design Template	Free template design, unlimited characters and running Standalone; Abillity to import and export template
Printable Character	Windows true fonts
Security	Password login protection; Cartridge auto recognize protection
Ink Management	Automatic recognition of inks (aqueous or solvent) and application of appropriate printing parameters; Auto-jet mode and self-cleaning capabilities to extend cartridge lifetime
Smart Design	Strong and compact design; Cartridge slot design for easier take in and take out
Protection	Controller: with mounting bracket to keep controller anywhere; Printhead: anti-shock mechanism, support side by side and upside down printing direction
Menu Languages	English, Russian, Chinese, Italian, German, Portuguese, Vietnamese, Spanish, Japanese, Thailand and Arabic

Ink Solutions and Accessories

Ink type	Aqueous ink for porous, semi-porous media and foods; Solvent ink for semi and non-porous media
Colors	● ● ●

Operating Environment

Power Supply	AC 100V-240V, 50/60Hz, 24VDC 5.0A. Max consumption: 120W
Operating Temperatures	5 - 40°C

HTJ-4400 - PH-4000-F

Technical Specifications

Printing Technologies	Thermal Inkjet Technology from Funai, Japan
Dimensions (LxWxH)	Controller: 221.6 x 153 x 54.5 mm, Printhead: 136 x 65 x 83 mm
Weight (g)	1,750g
Resolution	Maximum 300x600 dpi
Printing Speed	Max 29m/min @ 300x300dpi - 40m/min @ 300x200dpi
Density	Up to 3 levels
Throw Distance	1~8 mm

Features

Control Mode	Controller box, Touch screen 7 inches
External Connection	AUX I/O port for external sensor, external encoder and alarm beacon connection
Printability	Alphanumeric, Logos, Date/time, Expiry date, Julian date, Shiftcode, Counter and Image; Multiple types of variable 1D, 2D barcodes; Real-time Print Online Data (POD)
Advance	Check health nozzle (good/bad) of cartridge; Support warming ink function to print messages at cold environment; Support WYSIWYG (what you see is what you get) function; Remote printer by PC via LAN port
Length Template	Maximum length of template up to 3m
Design Template	Free template design, unlimited characters and running Standalone; Abillity to import and export template
Printable Character	Windows true fonts
Security	Password login protection; Cartridge auto recognize protection
Ink Management	Automatic recognition of inks (aqueous or solvent) and application of appropriate printing parameters; Auto-jet mode and self-cleaning capabilities to extend cartridge lifetime
Smart Design	Strong and compact design; Cartridges lot design for easier take in and take out
Protection	Controller: with mounting bracket to keep controller anywhere; Printhead: anti-shock mechanism, support side by side and upside down printing direction
Menu Languages	English, Russian, Chinese, Italian, German, Portuguese, Vietnamese, Spanish, Japanese, Thailand and Arabic

Ink Solutions and Accessories

Ink type	Solvent ink for semi and non-porous media
Colors	●

Operating Environment

Power Supply	AC 100 V-240 V, 50/60Hz, 24VDC 5.0A. Max consumption: 120W
Operating Temperatures	5 - 40°C

HTJ-4400 - PH-4000-H

Technical Specifications

Printing Technologies	Plug and print with HP TIJ2.5 cartridge
Dimensions (LxWxH)	Controller: 221.6 x 153 x 54.5 mm, Printhead: 141 x 46 x 58 mm
Weight (g)	1,750
Resolution	Maximum 600x600dpi
Printing Speed	76m/min @ 300x300dpi
Density	Up to 3 levels
Throw Distance	1~5 mm

Features

Control Mode	Controller box, Touch screen 7 inches
External Connection	AUX I/O port for external sensor, external encoder and alarm beacon connection
Printability	Alphanumeric, Logos, Date/time, Expiry date, Julian date, Shiftcode, Counter and Image; Multiple types of variable 1D, 2D barcodes; Real-time Print Online Data (POD)
Advance	Check health nozzle (good/bad) of cartridge; Support warming ink function to print messages at cold environment; Support WYSIWYG (what you see is what you get) function; Remote printer by PC via LAN port
Length Template	Maximum length of template up to 3m
Design Template	Free template design, unlimited characters and running Standalone; Abillity to import and export template
Printable Character	Windows true fonts
Security	Password login protection; Cartridge auto recognize protection
Ink Management	Automatic recognition of inks (aqueous or solvent) and application of appropriate printing parameters; Auto-jet mode and self-cleaning capabilities to extend cartridge lifetime
Smart Design	Strong and compact design; Cartridge slot design for easier take in and take out
Protection	Controller: with mounting bracket to keep controller anywhere; Printhead: anti-shock mechanism, support side by side and upside down printing direction
Menu Languages	English, Russian, Chinese, Italian, German, Portuguese, Vietnamese, Spanish, Japanese, Thailand and Arabic

Ink Solutions and Accessories

Ink type	Aqueous ink for porous, semi-porous media and foods; Solvent ink for semi and non-porous media
Colors	● ● ●

Operating Environment

Power Supply	AC 100V-240V, 50/60Hz, 24VDC 5.0A. Max consumption: 120W
Operating Temperatures	5 - 40°C

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