

illumex®

HPTIJ2.5 THERMAL INKJET PRINTER

X4 ENVIRO

IP65



Our Printers Do More

Built to withstand high temperatures and liquids used in harsh industrial printing environments in industries including; meat & poultry, beverage, aseptic packaging and stand up pouches. Applications including high speed overwrap & FFS machines.

✓ **HIGH SPEED**
Print upto 200m/min

✓ **TRUE PRINT® TECHNOLOGY**
Unmatched print quality with NO GAP printing (nonstop) ideal for applications demanding high resolution imagery

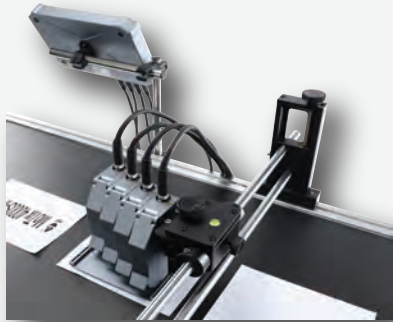
✓ **HMI & INDUSTRIAL 4.0**
Reliable & rapid communication

✓ **POLYER THERMAL INKJET TECHNOLOGY**
Next-generation inkjet printing, powered by polymer resins



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Intelligent Thermal Inkjet Automation

At illumex®, we have redefined the possibilities of industrial printing with cutting-edge HPTIJ2.5 thermal technology designed for speed, precision, and reliability.

Whether it's a simple message or complex multi head, multi lane setups, our HP thermal inkjet printers deliver precise, scalable coding & marking across a broad range of industrial packaging applications.

Parameters:

	Parameters	
	DATA X4	DATA X2
Technology	HP TIJ 2.5 Thermal Inkjet Technology - Powered by POLYtj® - TruePrint™	
Resolution	Vertical: 600 dpi - Horizontal: 40-1200 dpi (Single head!)	
Communication Protocol	HTTP - TCP/IP - RS-232 - RS-485 - Modbus (RTU/TCP)	
Screen	10.1 inch - Full Color Touch Display (Capacitive)	7 inch - Full Color Touch Display (Capacitive)
Dimensions	Controller: 281 - 184 - 38 mm	Controller: 224 - 151 - 38 mm
	Printhead: 145 - 91 - 47 mm	Printhead: 145 - 91 - 47 mm
Language	English - Spanish - French - German - Turkish - Chinese - Korean - Russian	
Keyboard	English - Arabic - Spanish - French - German - Chinese - Korean - Russian	
Counter	The printer is equipped with a built-in counter. The counter can be reset for each job or production batch, allowing operators to monitor output and maintain records.	
Printing Height	1-50.8 mm	1-25.4 mm
Printing Speed	Up to Four (4) Printheads - Separated or Combined Up to 200 metres/minute	
Printing Performance	Codebar - Code 25 - Code 39 - Code 93 - Code 128 - UPCA - UPCE - EAN - ITF 14	
Supported Barcodes	QR Code - Data Matrix GS1 - Grid Matrix - Maxicode - PDF 417	
Date Format	Create your own fully customisable date formats - Best Before, Use-by, Julian Date, etc	
Interface	4 x 17 pin aviation interface: printhead connection from 1-4	
	2 x 17 pin aviation interface: printhead connection from 1-2	
	Ethernet interface x 1	
	USB interface x 1 (USB flash drive and auxiliary communication equipment available)	
Ink Management	2 x 8 pin aviation interface: connect photocell and encoder	
	1 x 12 pin aviation interface: connect alarm light, RS232, external IO input	
	Original HP cartridges only: Automatically recognises the ink and sets optimal firing parameters, whilst calculating ink consumption	
Setup	Equipped with side printing and down printing brackets, which can be used for multiple printhead combination installations, Optional: Spring-back mechanism	
Environment Requirements	Operating environment: -10°C - 55 °C ; 10% - 95% RH	
	Storage environment: -20°C - 70 °C ; 10% - 95% RH	
Power Input	100-240V - 50/60Hz - 1.5A - 120VA	
Power Output	24V - 4A - 96W	
Certification	CE - FCC - ROHS	



Premium IP65 connections



Full metal protection of cartridges

DISTRIBUTOR



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