BIISTON
THERMAL INKJET PRINTER

Hitech Marwah Indonesia
coding marking - automation
and packaging machinery

"High Speed And Stable Thermal Inkjet Printer."

B-210 Thermal Inkjet Printer (TIJ)

High Resolution Thermal Inkjet Printer

B210 thermal inkjet printer series has the characteristics of high resolution and high speed printing, and has strong adaptability to industrial environment.

Support the independent installation of dual nozzles to increase production speed, or seamless splicing of dual nozzles to increase the printing height, suitable for a variety of production environments.

Stable performance, safe operating system, guarantee high-quality content printing effect in various harsh environments, suitable for various industries such as food, electronics, medicine, plastics, wood, hardware, etc.

Printer Features:

The separate nozzle design allows for 1-2 nozzles to be freely matched. It supports the independent installation of dual nozzles or seamless splicing of dual nozzles, with a maximum printing height of 25.4mm, and any number of lines can be printed within this height range.

The B210 thermal foaming inkjet printer offers a variety of optional brackets and different installation methods, allowing flexible combination with various production equipment. The Snap-On ink cartridge installation is firm, reliable, and easy to replace, featuring a cartridge protection mechanism with an anti-collision rebound assembly to prevent accidental damage to the nozzle.

Reliable and Professional Hardware

The printer uses the American TI's AM3358 industrial-grade CPU and Xilinx Spartan-6 industrial-grade FPGA, ensuring more stable, reliable, and interference-resistant performance in various conditions, providing a unique printing experience. The print engine features a TIJ dedicated ASIC chip, perfectly matching a variety of original and licensed HP inks. A professional cartridge preheat algorithm ensures optimum print quality at both high and low temperatures and environments.

Powerful and Smarter Software

The intelligent embedded Linux operating system provides a professional and user-friendly interface. An embedded powerful drop consumption algorithm allows for instant calculation of cost per print. Robust variable functions for 2D codes meet the growing demands of today's customers. Efficient and flexible variable database functions address various application requirements for product traceability.

Technical Specification:

Operating System	Embedded Operating System
Main Hardware	Cortex-A7 1.2GHz dual core processor industrial grade FPGA chip
Communication Interface	Network Interface USB/RJ45 to RS-232
Support Language	Italian, English, French, Arabic, German, Russian, Norwegian, Portuguese, Spanish, Japanese
Power Supply	30Volts 1.5Amps DC output
Body Material	Aluminum Anodized Finish
Dimension Controller	Controller: 209mm*122.5mm*61mm / Head Holster 114mm*108mm*54.3mm
Working Environment	Max Temp 55C Degrees / Humidity 30 to 70% RH
Nozzle Type	Thermally Foamable Head TIJ2.5
Print Accuracy	150DPI / 300DPI / 600DPI
Print Height	Minimum 1mm / Maximum 25.4mm
Print Speed	406m/min at 900DPI
Print distance	2mm to 5mm
Print Contents	Multi language Characters, 2D Code, Barcodes, Images, Serial Number, Date, Counters, Variable Database, RS232 to receive real data to print
Printable Substrates	Cardboard, Plastic, Metal, Cables, Electronic components, Auto Parts, Chemical Packaging
Ink Type	Aqueous or Solvent based 42ml Cartridges CISS
Ink Color	Black, White, Red, Yellow, Blue, Green, Stealth, UV readable
Cartridge Chip	Contactless RFID tags for automatic identification and recording ink parameters and consumptions

Display Controller:

Print Head Unit:

Mechanical Bracket:

*The unit completeness includes a power supply adapter, trigger sensor, print head cable and mechanical bracket.

Application:

Packing Carton

Medicine

Wood

Plastic Packaging

Plastic PET

GS1 Datamatrix

Barcode

Multi Print

HD Bolt Font

Multi Dot Font

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Pergudangan Gedangan Industrial Park, Blok BI-01,
Bohar, Taman Sidoarjo 61257 - Jawa Timur

031-35940008

Info@hitechmarwah.com

www.hitechmarwah.com
www.hitechmachine.co.id