

TIJ Imager

The main brick meeting your printing need



The PeakJet Thermal Inkjet Imager is a printing module ready to be connected to a PC and installed where you need to encode, mark or personalize the items moving on your production line.

The module comprises the stall and the electronic to manage 1 or 2 or 4 Hewlett Packard HP45 printheads, the best-in-class thermal inkjet technology developer and producer.

The TIJ Imager comes with its RFID box to be simply connected to the same PC: it allows the printhead recognition, making them exclusive for you and your business, and the proper setting of the firing parameters accordingly with the selected ink.

If the need is more demanding than the simple coding in black, the solution is to mount more TIJ Imager units in parallel with Y, M, C, K inks or with spot colors (red, green, blue,...) to get your design or logo full color in one pass.

More TIJ Imager staggered allow to reach the print swath you need to have covered in one pass.

About inks, PeakJet is proud to work in strong synergy with ThallosJet to benefit their historical knowledge on inks development and printhead management. We are getting very good print results and printout stability on porous (paper, carton, wood, cork,...) and diverse materials like glass, polystyrol, PVC, textiles... Some inks are ready and others, suited for tricky applications, will be completed on request.

Do you have a marking, coding or decoration need?

Do not hesitate to contact us to develop your project together.

 TIJ Imager *	
Thermal ink jet technology	HP45 genuine disposable printheads – 33 pl drop volume – 600dpi physical resolution – Firing frequency 12KHz – 0,5" print swath
Printing module	1, 2 or 4 printheads
Print swath	Max print swath 2"
Printing Resolution	600x600 dpi, 600x300 dpi
Print speed	Up to 60m/min @300dpi
Distance to print surface	Recommended: 1-1.5 mm
Colors features	– Multiple printing modules mounted in parallel allow tri-chromic printing or spot colors printing in one pass. (one color each module: Y M C K or spot) – Easy color or ink change with the disposable printheads
Inks	– Black and some spot colors for porous and non-porous surfaces: high density and manageable decap time – Spot colors and YMCK with different properties to print on different materials
System configuration	– Connected to an external PC through USB port. – Power supply: 30v external
Power supply	External, 30v to supplies more units
Minimum required information entry	– Encoder (resolution 1200 dpi or higher) signal – Trigger
Printhead management	Dedicated RFID box must be connected to the PC to enable: – PH recognition and protection – Setting firing parameters
SW and OS	PeakJet SW package for Windows 10
Buk ink delivery system	Available on request and depending on the characteristics of the ink

** Design and technical specifications subject to changes without notices*