

PoliJet™

The World's First Inkjet, "NoProcess" CtPolyester Plate

Product Description

PoliJet represents a breakthrough in CtP technology. It is the world's first and only, no process plate that can be imaged on high-resolution pigment-based large format inkjet printers (e.g. Epson Stylus Pro 900 series) and taken directly to the press for printing. The investment in the equipment and consumables cost significantly less than the analog systems (i.e. lith film & presensitised plate based). The PoliJet plate is ideally suited for low-cost multi-colour on-demand printing by sheet-fed offset using high-resolution conventional (AM) as well as stochastic (FM / Hybrid) screens.

Features & Benefits

- Direct-to-Plate-to-Press from your desktop computer, using a standard inkjet printer.
- It is a single-colour, two-colours, spot colours and AM & FM / Hybrid screen capable, polyester plate. No process, silver-free, eco-friendly and daylight-working!
- Consumable costs are lower than the currently used analog systems (i.e. lith film & presensitised plate based).
- Highly affordable upfront investment. Payback period of a few months.
- Zero complexity. From installation to commercial production in an instant.
- Any format : 1, 2, 4 & 8 page format (using different plate thicknesses).
- Significant reduction in manpower and operational costs.

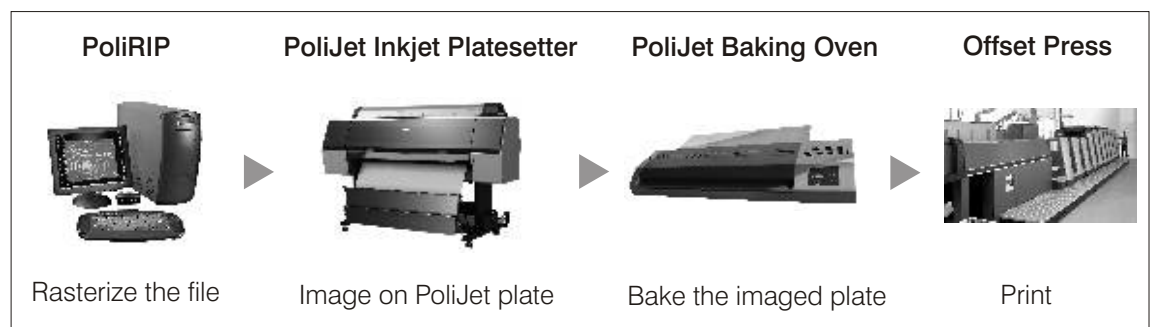
Applications

The PoliJet CtP system is designed for production of any short to medium-run commercial work. It also offers the Quick Printers the opportunity to upgrade from laser plates to four-colour capable inkjet plates at similar costs.

Product Specifications

- Base : Dimensionally stable polyester film
- Thickness : 0.15 & 0.22 mm
- Size : Available in all standard sizes
- Shelf-life : There is no limitation on the shelf-life; however, for optimum performance, it is recommended that the product is used within 24 months from the date of packing.
- Storage : Normal air-conditioned office environment, away from excessive heat & humidity.

Workflow



Technical data for PoliJet System

Models	PoliJet System - 4880	PoliJet System - 7700 / 7900	PoliJet System - 9700 / 9900
RIP	PoliRIP V2.08 - 4880	PoliRIP V2.08 - 7900	PoliRIP V2.08 - 9900
Image Rendering		Halftone (screened 1-bit)	
		Contone (colour 8-bit)	
Screening		Standard PostScript Screening	
		Adobe Accurate Screening	
		TechNova Balanced Screening	
		TechNova PerfectBLEND Screening	
Linearisation		Yes	
Press Dot Gain Compensation		Yes	
Advanced Scan LIGHT	Yes		Optional
StripRITE Imposition	Optional		Yes
Adobe InRip Trapping		Optional	
KoolToning Halftone Simulator		Optional	
System Requirement		Processor - Pentium IV	
		RAM - 256 MB (Preferable 1 GB+) 1 GB+	
		Hard Drive - 1 x 40 GB (or more) 40 GB free space	
		Operating System - Windows XP Pro (or Windows 2000 Pro)	
Imaging Device	PoliJet Inkjet Platesetter - 4880	PoliJet Inkjet Platesetter - 7700 / 7900	PoliJet Inkjet Platesetter - 9700 / 9900
Imaging Technology	Advanced Micro Piezo™ drop-on-demand	Advanced Micro Piezo™ TFP (Thin Film Piezo) drop-on-demand	
	Variable-sized Droplet Technology and 3.5 pl Ultra Micro Dot™		
Interfaces (Standard)	USB 2.0 (Compatible with 1.1), 10 / 100 MB Base Ethernet		
Operating Voltage	AC 100 V - 120 V version, 220 V - 240 V version		
Operating Current	1.0 A for 100 - 120 V, 0.5 A for 220 - 240 V		
Operating Frequency	50 - 60 Hz		
Power Consumption (operating)	59 W max.	70 W max.	80 W max.
Dimension (w x d x h)	34" x 30" x 14"	53" x 26" x 48"	73" x 26" x 48"
	864 x 762 x 356 mm	1356 x 667 x 1218 mm	1864 x 667 x 1218 mm
Weight (approximately)	39.4 kg / 83.7 lb	84.5 kg / 186 lb	116 kg / 256 lb
Acoustic Noise Level	<50 dB(A)		
Warranty	One year. For more information please refer to www.epson.co.in		
Baking Oven (PoliJet Baking Oven)	CP - 850		
Fuser Type	Conveyerised		
Feed opening	850 mm		
Operating Voltage	AC 220 - 240 Volts		
Operating Frequency	50 / 60 Hz		
Power	1000 Watts		
Dimension (w x h x d) (mm) (Including the tray dimension - as applicable)	1160 x 145 x 650		
Weight (approximately)	45 Kg / 100 lb		
PoliJet	PoliJet Offset Plates		
Base Material	Polyester		
Coating	Proprietary Hydrophilic Coating		
Imaging Fluid	Epson Ultrachrome™ K3 / HDR Ink		
Imaging Quality	150 lpi @ 2880 dpi with Epson Variable Dot Size Technology (max.)		
Operating Environment (Temperature and Humidity)	50° to 75° F (10o to 24°C) less than 30% Relative Humidity		
Imaging Speed (550 x 650 mm @ 1440 dpi and 125 lpi) (approx.)	Two sets of 4 colour separation per hour (bi-di imaging) - 7900 / 9900 One set of 4 colour separation per hour (bi-di imaging) - 4880		
Baking Temperature	Surface temperature of 110°C		
Baking Time	2 mins		
Max. Plate Width	432 mm	610 mm	820 mm
Plate Thickness	0.15, 0.22 mm		

TechNova's PoliJet team will assist you in commissioning and calibrating your system as well as your press to get the desired output. HelpDesk, online and onsite support are available from TechNova at all times.

The information provided in this product information capsule is to be used only as a guide. It does not imply any liability and shall not be binding upon the company. In pursuit of constant product improvement, specifications are subject to change without prior notice.

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