



POLYMER THERMAL INKJET TECHNOLOGY

# UNIQUE HPTIJ2.5 PRINTERS & INKS

NON POROUS	Cartridge	Adhesion	Dry time	Optical Darkness	Target Substrate	Key Performance Indicator
POLYtij ® PERFECTA ® limitless Plus	HP45si	50+	2-3 sec	High	Glass, Metal,Plastics	Production Ready Time 15/30/60/180min, 8hr/24hr/72hr
POLYtij ® PERFECTA ® BARCODE	HP45si	50+	3 sec	High	Blister pack & aluminium foil	Crisp 1D/2D barcodes for pharmaceutical industry
POLYtij ® PERFECTA ® limitless WR	HP45si	35+	2-3 sec	High	PE film	Water resistance on Polyethylene film
POLYtij ® PERFECTA® PRE-COAT	HP45si	50+	2-3 sec	High	Precoat for barcode Ink	Nitrocellulose lacquer aluminium foil for blister packaging
HIPTij ® hot ink printing technology	HP45si	50+	5 sec	High	Plastic films	Printing onto food products, sold only in Illumex 4.0 IoT HP TIJ2.5 printers
POLYtij ® Adhesion +50	HP45si	50+	1-2 sec	High	Glass, Metal,Plastics	High adhesion, 30 second decap time, excellent printhead recovery
POLYtij ® LFC	HP45si	50+	1-2 sec	High	Plastic films	Ink of first choice for plastic films - High slip resistance, increased adhesion
POLYtij ® freedom™ textblack	HP45si	35-40	3-5 sec	Highest	Glass, Metal,Plastics	High optical darkness, 180 second decap time
SOLVtij ® White & Yellow	HP45si	35-40	3-5 sec	High	Glass, Metal,Plastics	High pigment opacity, shelf life 3 - 6months
SOLVtij ® Red,Green,Blue	HP45si	35-40	3-5 sec	High	Glass, Metal,Plastics	Dye based ink with polymer resins
POLYtij ® UV Invisible	HP45si	50+	1-2 sec	High	Glass, Metal,Plastics	Blue or Red ink, visible under 365nm light
UV LED CURE	Cartridge	Adhesion	Dry time	Optical Darkness	Target Substrate	Key Performance Indicator
ARTij ® White, Black	HP45si	Highest	1-2 sec	Highest	Glass, Metal,Plastics	Requires UV Cure light. Indelible after curing
SEMI-POROUS	Cartridge	Adhesion	Dry time	Optical Darkness	Target Substrate	Key Performance Indicator
HYBRIDtij ®	HP45si	Absorb	1-2 sec	High	Coated board	High optical darkness, semi porous & porous applications
POROUS	Cartridge	Adhesion	Dry time	Optical Darkness	Target Substrate	Key Performance Indicator
DYEtij ® Orange	HP45A	Absorb	1-2 sec	High	Plasterboard	Designed to be painted over without the ink transferring through the paint
FOODtij ® Red,Green,Blue, Magenta	HP45A	Absorb	1-2 sec	High	Eggs	Foodgrade - Non FDA approved
FOODtij ® Red,Green,Blue, Magenta	HP45si	Absorb	1-2 sec	High	Eggs	Foodgrade - FDA approved
NANOtij ® nano pigmented	HP45A	Absorb	1-2 sec	High	Cardboard/Paper	High optical darkness, Water resistance
NANOtij ® Ultra nano pigmented	HP45si	Absorb	1-2 sec	High	Cardboard/Paper	Ultra high optical darkness, Water resistance, reduced ink delivery volume
PHARMAtij ® version 1.0	HP45A	Absorb	1-2 sec	High	Cardboard/Paper	Black to blue under visible under 365nm light

