



## Mild Solvent Printers

Flexibility and speed to deliver quality and profit...



- New design, impressively flexible high output mild solvent printers
- I<sup>2</sup> Intelligent Interweave technology inside for impeccable quality every time
- Deliver exceptional image quality and plentiful production up to 40 m<sup>2</sup>/h
- Design features include eight micro-staggered print heads
- Standard with 100 kg motorised unwinder / winder
- Top speeds up to 80 m<sup>2</sup>/h
- With a Mutoh Blizzard mild solvent, high speed printer, you need never be snowed under with work again !





Printer specifications		Blizzard 65	Blizzard 90
Technology		Drop-on-demand Micro Piezo Inkjet Technology 8 heads – variable drop – 2 nozzle rows with 180 nozzles each / head Drop mass (ng) : 5.4, 11.5, 14, 25, 28 and 41.5	
Maximum Media Width		1651 mm (65.00")	2240 mm (88.18")
Maximum Print Width		1640 mm (64.56")	2230 mm (87.79")
Media	Thickness Diameter / Core Weight	Range: 0.08 mm – 1.1 mm Maximum: 300 mm / 2" or 3" Maximum load: 100 kg	
Media Thickness Compensation		Automatic media thickness compensation Variable – RIP controlled – Head Height	
Resolutions		360 x 360 dpi, 720 x 360 dpi, 540 x 720 dpi & 720 x 720 dpi	
Intelligent Interweaving (i <sup>2</sup> )		Available for Fast 360 x 360 dpi, Fast 540 x 720 dpi, Fast 720 x 720 dpi, 540 x 720 dpi & 720 x 720 dpi 2 pass & 4 pass modes. Weave settings : Sign/Quality, Picture/Speed, Stitch & Off	
Colour / Ink Setup		CMYK – 4 x 4 (CMYK) nozzle rows – one colour per head	
Ink Capacity / Type		Cassettes : 220 ml & 440 ml / smart chip ink type & order sensing / total 8 ink slots	
Heaters		Incorporated 4-stage heater system : Pre-heater (max. 45 °C), Fixer (max. 40 °C), Post-Fixer (max. 45 °C) and Dryer (max. 50 °C)	
LCD Display		Backlight LED – 4 lines x 20 characters – Blue background / white text	
Interface		Ethernet Network Card 10/100base-TX / Centronics, IEEE 1284 compatible	
Graphics Command Language		RTL-PASS	
Print Engine Working Environment using Mild Solvent Inks		Temperature: 18 – 27 °C ( $\Delta t$ max 2 °C/h) Relative Humidity: 40 – 65 % RH (no condensation - $\Delta RH$ max 5 % RH/h)	
Regular Maintenance		A Blizzard mild solvent printer requires a dedicated operator trained on performing daily maintenance routines.  All parts requiring regular inspection and/or maintenance are easily accessible via the large protective cover.	
Air Purification Equipment		Use of mild solvent inks intrinsically requires the use of an air purification system. Blizzard is equipped with exhaust holes for easy connection of forced ventilation equipment.  For connection to an existing air purification system, an optional hose set with exhaust connectors is available.  To ensure a clean and safe working environment, contact the local authorities to know the local acceptance levels.	
External Dimensions in mm (WxDxH)		3074 x 791 x 1289 mm	3677 x 791 x 1289 mm
Weight		290 kg	330 kg
Power Consumption		1200 W - 140 W in stand-by mode	
Power Supply		AC 100 – 120 V / AC 220 – 240 V 60/50 Hz (Blizzard 65: 11A/5.5A – Blizzard 90: 12A/6A)	

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For further information, please contact your nearest Mutoh Authorised Reseller.

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

Below table explains you what Mutoh's i<sup>2</sup> technology will offer you, depending on the type of image you need to print, the print job as well as the viewing distance for compatible uncoated PVC, banner & soft-signage materials.

VIEWING DISTANCE					
Speed m <sup>2</sup> /h	6,5	8,25	11	13	16,5
Resolution Piecework Modes *	7,2	9,1	12,2	14,4	18,2
720 x 720	S		S	P	
540 x 720		S		S	P

VIEWING DISTANCE							
Speed m <sup>2</sup> /h	7,7	9,4	12,8	11	14,5	15,4	19
Resolution Production Modes *	8,1	9,9	13,5	12,3	16	17	20,9
720 x 720	S	P		S		P	
540 x 720		S	P		S		P
360 x 360							

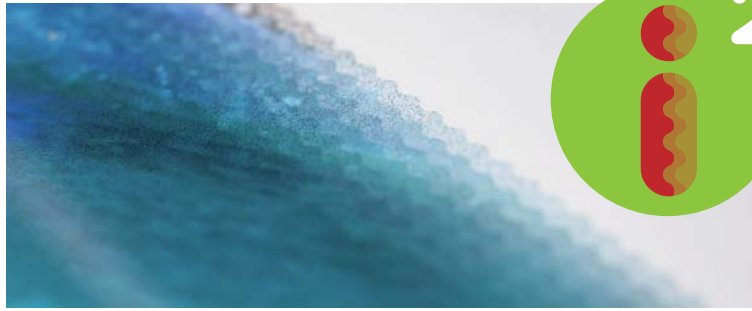
VIEWING DISTANCE			
Speed m <sup>2</sup> /h	24	36	69
Resolution Production Modes *	25,5	40	80
720 x 720			
540 x 720			
360 x 360	S	P	HS

65" / All speeds mentioned are for 1640 mm output width  
 90" / All speeds mentioned are for 2230 mm output width

-  =  , viewing distance < 1 m
-  =  , viewing distance > 1 m
-  =  , viewing distance > 3 m
-  =  , viewing distance > 5 m
-  = applicability needs to be judged on individual basis

S = i<sup>2</sup> Sign Weave enabled. Compatible with all images.  
 P = i<sup>2</sup> Picture Weave enabled. Compatible with non-sign images  
 i.e. images not containing large solid areas or critical gradients.  
 HS = High Speed mode. Applicability needs to be judged on individual basis. Top engine speed.

\* Piecework: Top quality i<sup>2</sup>, viewing distance < 1 m  
 Production: Production quality i<sup>2</sup>, viewing distance > 1 m



## ***i<sup>2</sup> - a revolution in print technology***

- > Intelligent Interweaving, i<sup>2</sup> technology from Mutoh, provides impeccable digital printing quality for both Photo and Sign printing.
- > Quick and simple to set up, printing with i<sup>2</sup> saves time and trouble while producing outstanding results.

Mutoh has taken a totally new approach with i<sup>2</sup> technology (pronounced i squared). Ink is laid down in carefully optimised wave forms, not the straight lines used by all other wide-format inkjet printers. The result is a drastic reduction or even total elimination of the typical difficulties inherent in conventional digital inkjet printing. i<sup>2</sup> technology means the end of defects such as horizontal banding, step mismatch banding, ink mottle and bleed and the visible effects of missing or mis-firing nozzles.

## ***i<sup>2</sup> technology benefits***

- > Impeccable print quality.
- > Excellent workflow as user-friendly set up saves time even with the most challenging images.
- > Bi-directional printing of all images, even the most critical jobs, as wave sequences eliminate banding.
- > Increased ink density yield as the wave patterns superimpose thin ink layers to create an even coating with superb image definition.
- > Boosted colour gamut, compared with conventional straight-line printing. Dedicated i<sup>2</sup> profiles will increase the ink density yield, resulting in a boost of colour gamut.

Depending on the incorporated head technology and ink type, Mutoh is programming printer-specific optimised print weaving modes for both sign and picture applications.

*Sign/Quality:* Signage and poster applications containing big areas with solid colours, typography and critical gradients

*Picture/Speed:* Non sign images, pictures and photographs