OMEGA
Inkjet Printing Systems
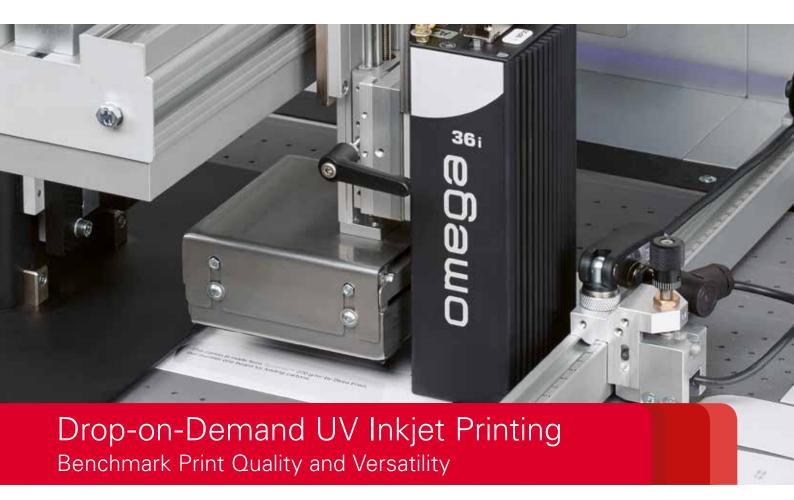

Drop-on-Demand UV Inkjet Printing
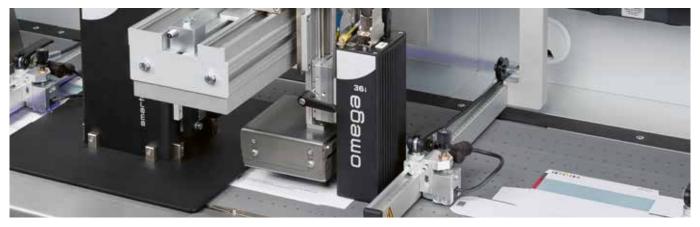## Benchmark Print Quality and Versatility

Printing with OMEGA offers advantages for a wide range of applications and helps you cope with complex market challenges, strengthen your competitive ability and raises your production efficiency.

Meet the technical criteria for modern, cost-effective printing, coding, personalization, serialization and late stage customization.

KEY ADVANTAGES

- Increased brand value through late stage customization and personalization
- High cost efficiency even for short runs
- Full variable data printing
- Can combine horizontal and vertical printers to allow simultaneous multiple side printing, e. g. on erected boxes
- Print on various substrates thanks to in-house developed inks (standard and low migration inks)
- Speeds up to 120 m/min (400 ft/min)
- Layout design software for easy layout generation including variable inserts
- Achieve top print quality on a wide variety of substrates – up to 720 x 720 dpi
- Spot color inks possible

OMEGA Inkjet Printing Systems

Technical Specifications		OMEGA 36 OMEGA 36 HZ		OMEGA 36i OMEGA 36i HZ		OMEGA 36 HD		OMEGA 70 P		OMEGA 72		OMEGA 72i		OMEGA 72 HD		OMEGA 144		OMEGA 210	
Print Width		36 mm 1.4 inches		36 mm 1.4 inches		36 mm 1.4 inches		70 mm 2.75 inches		72 mm 2.8 inches		72 mm 2.8 inches		72 mm 2.8 inches		144 mm 5.6 inches		210 mm 8.3 inches	
Native Resolution		360 dpi		360 dpi		720 dpi		360 dpi		360 dpi		360 dpi		720 dpi		360 dpi		360 dpi	
Resolution Horizontal [dpi]	Max. Print Speed [m/min]	360 180	30 60	360 180	60 120	720	25	360	24	360 180	30 60	360 180	60 120	720	25	360	30	360 180	30 60
Droplet Volume		50 pl		50 pl		14 pl		6 – 42 pl (var.)		42 pl		42 pl		12 pl		42 pl		42 pl	
Standard Colors		Black, red		Black, red		Black, red		Ultra white		Black, red		Black, red		Black, red		Black, red		Black, red	
Custom Colors		On request																	
Smallest Readable Font Size		4 pt		4 pt		2 pt		4 pt		4 pt		4 pt		2 pt		4 pt		4 pt	
Substrates		Wide variety of papers and carton, aluminum, metal, polymer foils, plastics and glass																	
Possible Printing Directions		Vertical and angle 0 – 30°; Horizontal (HZ version)				Vertical and angle 0 – 30°		Vertical		Vertical and angle 0 – 30°						Vertical			
Ink Types		UV (UVA, UVC)																	
Jetting Technology		Piezo DoD																	
Dimensions (h x w x d) [mm] Dimensions (h x w x d) [inches]		200 x 82 x 55 7.9 x 3.2 x 2.2		200 x 82 x 55 7.9 x 3.2 x 2.2		200 x 82 x 55 7.9 x 3.2 x 2.2		229 x 147 x 66 9 x 5.8 x 2.6		215 x 147 x 66 8.5 x 5.8 x 2.6		215 x 147 x 66 8.5 x 5.8 x 2.6		215 x 147 x 66 8.5 x 5.8 x 2.6		320 x 230 x 90 12.6 x 9 x 3.5		245 x 287 x 95 9.6 x 11.3 x 3.7	
Communication Bus		USB, Ethernet (to production PC)																	
Standard Delivery		Printer, adjustable integration bracket, ink supply system, purge station, job editor software, production software, installation kit																	
Options		UV lamp / UV LED curing systems, Adobe PDF																	

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