

# OMEGA ProFlo Monochrome Inkjet Printing System



## Drop-on-Demand UV Inkjet Printing High Performance Printing with Ink Recirculation

With the new **OMEGA ProFlo** printer, Atlantic Zeiser is introducing an upgraded version of its successful OMEGA printer series. Specifically designed for unprecedented uptime and jet reliability in demanding industrial applications, the OMEGA ProFlo's advanced ink recirculation with active nozzle cleaning effortlessly supports highly pigmented inks. OMEGA ProFlo delivers exceptional print speed and quality with fine details, has a short startup time, and requires low maintenance.

### KEY ADVANTAGES

- Improved print quality and consistency
- Increased reliability and productivity
- Reduced production downtime with automated cleaning
- Low maintenance
- Printing of variable data on-the-fly, in various data formats
- Intuitive layout design software
- Application-tailored inks

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Technical Specifications	OMEGA ProFlo Monochrome
Print Widths	Available in 3 sizes: 54, 108 or 160 mm   2.1, 4.2 or 6.3 inches
Native Resolution	600 dpi
Resolution Horizontal   Max. Print Speed	600 dpi   up to 80 m/min production speeds dependent on machine type and configuration, application, ink and job type
Native Droplet Volume	6 pl
Grayscale Levels	up to 3
Standard Colors	Black, ultra white
Custom Colors	On request
Smallest Readable Font Size	3 pt
Substrates	Wide variety of papers and cartons, aluminum, polymer foils and plastics
Possible Printing Directions	Top-down
Ink Types	UV (UVA), different ink types dependent on application
Jetting Technology	Piezo DoD
Printhead Dimensions (h x w x d)	Print width 54 mm: 560 x 105 x 200 mm   22.0 x 4.1 x 7.9 inches Print width 108 / 160 mm: 630 x 235 x 250 mm   24.8 x 9.3 x 9.8 inches
Ambient Temperature	20°C – 30°C
Communication Interface	Ethernet 1000 Mbit
Communication Protocols	TCP/IP, OPC UA available H2/2024
Standard Delivery	Printer, adjustable integration bracket, ink supply and ink disposal, print server, cleaning station, installation kit
Related Products	LED UV curing device, layout design software, HMI
	 <p>OMEGA ProFlo Monochrome 54 with cleaning station and ink cabinet (ink supply and ink disposal)</p>

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