



Specially formulated Curing Technology

LED curing for high resolution UV printing applications

SMARTCURE AIR, SMARTCURE and FREEZECURE – the formulated curing technologies for your requirements.

The UV LED curing technologies, whether air-cooled or water-cooled, offer drastically reduced operating costs due to increased operating life and decreased energy consumption as compared to traditional UV lamps. There is no generation of hazardous ozone and practically no heat radiation onto the substrate – truly eco-friendly technology!

All models of SMARTCURE AIR, SMARTCURE and FREEZECURE ideally match Atlantic Zeiser inks and printers.

KEY ADVANTAGES

- Highest curing efficiency
- Long-lasting
- Compact
- No mercury and ozone-free emission

UV LED CURING SYSTEMS

Technical Specifications	Illuminated Area w x l	UV LED Dose at 60 m/min	Dimensions h x w x d	Curing	Required Cooling Capacity	Required Cooling Liquid Flow	Options
SMARTCURE AIR 75/320	75 x 20 mm 3 x 0.8 inches	320 mJ	77 x 136 x 249.4 mm 3 x 5.4 x 9.8 inches	air-cooled			UV shield
SMARTCURE AIR 150/320	150 x 20 mm 5.9 x 0.8 inches	320 mJ	152.4 x 136.1 x 249.4 mm 6 x 5.4 x 9.8 inches	air-cooled			UV shield
SMARTCURE AIR 225/320	225 x 20 mm 8.9 x 0.8 inches	320 mJ	227.8 x 136.1 x 249.4 mm 9 x 5.4 x 9.8 inches	air-cooled			UV shield
SMARTCURE AIR 75/480	75 x 40 mm 3 x 1.6 inches	480 mJ	77 x 136 x 249.4 mm 3 x 5.4 x 9.8 inches	air-cooled			UV shield
SMARTCURE AIR 150/480	150 x 40 mm 8.9 x 1.6 inches	480 mJ	152.4 x 136.1 x 249.4 mm 6 x 5.4 x 9.8 inches	air-cooled			UV shield
SMARTCURE AIR 225/480	225 x 40 mm 6 x 1.6 inches	480 mJ	227.8 x 136.1 x 249.4 mm 9 x 5.4 x 9.8 inches	air-cooled			UV shield
FREEZECURE 75	75 x 10 mm 3 x 0.4 inches		191 x 150 x 120 mm 7.5 x 5.9 x 4.7 inches	air-cooled			UV shield
SMARTCURE 75/200	75 x 50 mm 3 x 2 inches	200 mJ	210 x 120 x 120 mm 8.3 x 4.7 x 4.7 inches	water-cooled	350 W	6 l/min	cooling unit; UV shield
SMARTCURE 75/400	75 x 50 mm 3 x 2 inches	400 mJ	210 x 120 x 120 mm 8.3 x 4.7 x 4.7 inches	water-cooled	600 W	6 l/min	cooling unit; UV shield
SMARTCURE 150/160	150 x 20 mm 5.9 x 0.8 inches	160 mJ	51 x 165 x 51 mm 2 x 6.5 x 2 inches	water-cooled	640 W	4 l/min	cooling unit; UV shield
SMARTCURE 225/200	225 x 50 mm 8.9 x 2 inches	200 mJ	230 x 304 x 114 mm 9 x 12 x 4.5 inches	water-cooled	1.2 kW	18 l/min	cooling unit; UV shield

Standard delivery: curing module and curing controller

Available inks: Atlantic Zeiser inks 400 mJ

Ideally Suited for Use with		OMEGA Pro MC 54	OMEGA Pro MC 108	OMEGA Pro 4C 54	OMEGA Pro 4C 108	OMEGA 36	OMEGA 36 HD	OMEGA 36i	OMEGA 36 HZ	OMEGA 36i HZ	OMEGA 72	OMEGA 72 HD	OMEGA 72i	OMEGA 70P	OMEGA 144	OMEGA 210	GAMMA 70	GAMMA 70 P	DELTA 105 UV	DELTA 210 UV	
SMARTCURE AIR 75/320	<40 m/min	●		●		●	●				●	●									
SMARTCURE AIR 150/320	<40 m/min		●												●					●	
SMARTCURE AIR 225/320	<40 m/min															●					●
SMARTCURE AIR 75/480	<65 m/min	●		●				●		●			●	●				●			
SMARTCURE AIR 150/480	<65 m/min		●		●										●					●	
SMARTCURE AIR 225/480	<65 m/min															●					●
FREEZECURE 75		●		●		●		●	●	●	●		●	●							
SMARTCURE 75/200	<30 m/min					●	●		●		●	●									
SMARTCURE 75/400	<60 m/min	●		●				●		●			●	●			●				
SMARTCURE 150/160	<24 m/min														●					●	
SMARTCURE 225/200	<30 m/min															●					●

Curing speed: curing modules for higher speeds on request

● only in integration projects

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