

# OmniCure AC9150/P, AC9225/P, AC9300/P



multiple UV LED heads

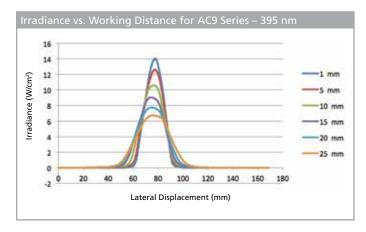
Exceptional process control to achieve repeatable curing results

Compact air-cooled UV LED design for ease of integration



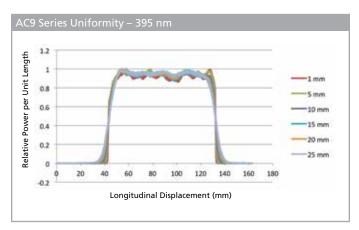
#### **Outstanding Optical Performance**

The OmniCure® AC9150, AC9150P, AC9225, AC9225P, AC9300 and AC9300P air-cooled UV LED curing systems are designed with advanced front-end optics to provide high power, high peak irradiance and exceptional uniformity at different working distances. The systems deliver 14 W/cm² peak irradiance for fast, even curing at long working distances. P versions of the AC9 Series have enhanced optics to optimize the dose for short working distances along with a removable window for easy cleaning to support print applications. By adapting the output to support the process requirements of the industry, the new AC9 Series' product portfolio can be applicable for a range of varying applications with different process needs.



# **Superior Uniformity**

The OmniCure AC9 Series utilizes a patented process for addressing individual UV LED module outputs, and providing exceptional uniformity over the entire curing area. Multiple UV LED heads can be adjoined while maintaining optical uniformity between each system. The flexibility to achieve larger curing areas in a variety of customizable lengths enables manufacturers to improve throughput without compromising on performance.



#### **Exceptional Process Control**

For a repeatable curing process, precise control of the UV irradiance level and time ensures that the correct dose of UV energy is provided on every exposure. System error detection notifies users for as low as 1% faulty LEDs to ensure process repeatability. Intelligent system monitoring and control ensures system reliability meets the demands of any application.

## Ease of Integration

OmniCure UV LED curing systems utilize air-cooled LED technology in a compact design allowing for seamless integration into new or existing production lines. The innovative design eliminates the need for costly retooling, external cooling or ozone extraction. The curing systems can also be mounted in any orientation for greater flexibility. External mechanical and optical accessories are also available upon request.

#### **Mechanical Drawings**

Mechanical drawings are available upon request. To find out more about the OmniCure AC Series of UV LED curing solutions, please visit www.excelitas.com/omnicure

## **Technical Specifications**

		AC9150/AC9150P	AC9225/AC9225P	A9300/AC9300P
LED Peak Wavelengths		395 nm		
Active Optical Area		150 x 25 mm	225 x 25 mm	300 x 25 mm
Power Consumption*		1058 W	1587 W	2116 W
Typical Peak Irradiance (W/cm²)		395 nm		
Working Distance	1 mm	14	14	14
	5 mm	12.6	12.6	12.6
	10 mm	10.6	10.6	10.6
	15 mm	9.06	9.06	9.06
	20 mm	7.7	7.7	7.7
	25 mm	6.7	6.7	6.7
Optical Power*		365 W	574 W	730 W
Longitudinal Uniformity*		Better than +/-10%		
Operating Voltage		48 V DC ± 2 V		
Dimensions (L x W x H)		159 x 80 x 218 mm	235 x 80 x 218 mm	311 x 80 x 218 mm
Weight (kg)		1.8	2.7	3.6
Cooling		Air		
Life Expectancy		> 20,000 hours		
Automation		Integrated PLC controls for UV intensity and system alarms		
LED Warranty		2 years or 10,000 service hours		

<sup>\*</sup>At 100% intensity setting



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