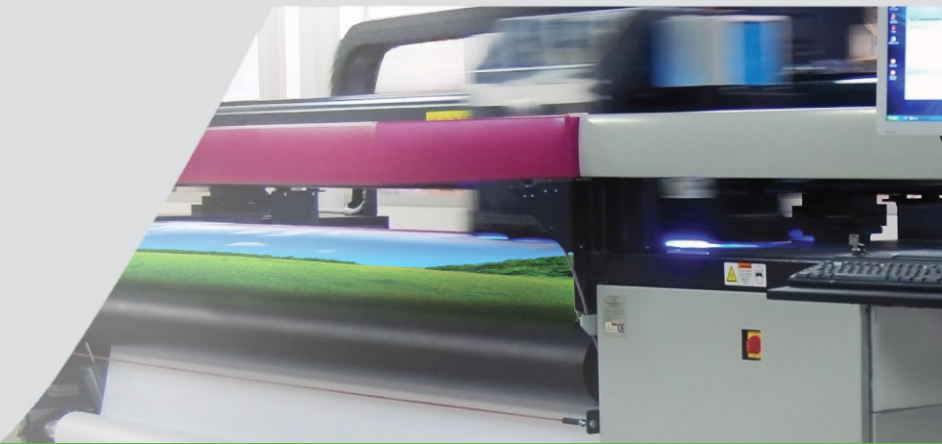
OmniCure®
UV Curing • In Control

OmniCure AC275 and AC2110

Compact UV LED Curing Systems for Inks, Coatings and Adhesives

- Compact air-cooled UV LED design for ease of integration
- Outstanding optical performance to provide maximum irradiance
- Superior uniformity with the ability to adjoin multiple UV LED heads
- Exceptional process control for repeatable curing results

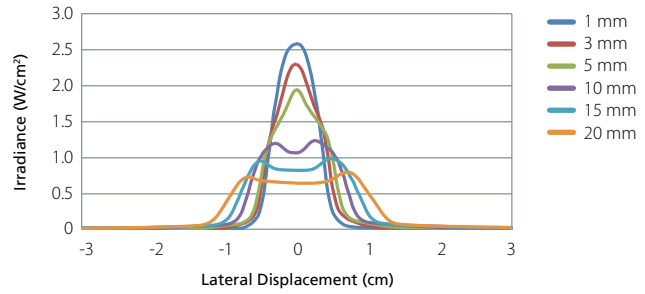


EXCELITAS TECHNOLOGIES®

Outstanding Optical Performance

The OmniCure® AC275 and AC2110 air-cooled UV LED curing systems are designed with advanced front-end optics to provide high peak irradiance and exceptional uniformity. The standard AC2 systems provide a reduced output angle from typical LED systems, ideal for printing applications, to help eliminate back reflection of the light to the print heads. Customized optics are available to maximize the irradiance for longer working distances. All AC2 Series come with a flat outer surface that allows for easy cleaning and replacement for ongoing maintenance. By adapting the output to support the process requirements of the industry, the new AC2 Series product portfolio can be applicable for a range of varying applications with different process needs.

Irradiance vs. Working Distance for AC2 Series – 395 nm



Ease of Integration

OmniCure AC2 Series UV LED curing systems utilize air-cooled LED technology to provide high irradiance in a very compact design allowing for seamless integration into new or existing print systems or production lines. 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 on our website. To find out more about the OmniCure AC Series of UV LED curing solutions, please visit www.excelitas.com/omnicure

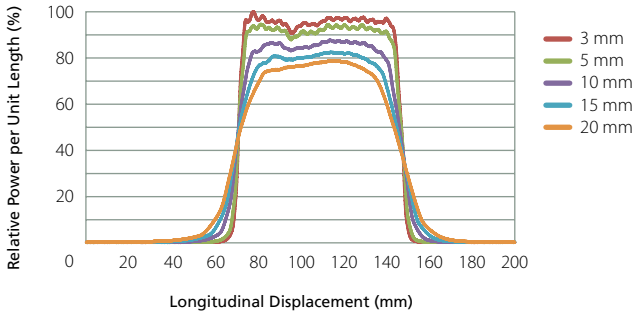
Exceptional Process Control

For a repeatable curing process, precise control of the UV irradiance level and exposure time ensures that the correct dose of UV energy is provided every time. Intelligent system monitoring and control ensures system reliability meets the demands of any application. Multiple wavelengths are available to match the requirements of the material to be cured.

Superior Uniformity

The OmniCure AC2 Series utilizes a patented process for addressing individual UV LED module outputs, and provides 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.

AC2 Series Uniformity – 395 nm



Technical Specifications

		AC275	AC2110
LED Peak Wavelengths		395 nm ± 5 nm, 365 nm ± 5 nm	
Active Optical Area		10 x 76 mm	10 x 114 mm
Typical Peak Irradiance (W/cm²)		395 nm	395 nm
Working Distance	1 mm	2.6	2.6
	3 mm	2.3	2.3
	5 mm	1.9	1.9
	10 mm	1.2	1.2
	15 mm	1.0	1.0
	20 mm	0.8	0.8
Optical Power*		13 W	19 W
Longitudinal Uniformity*		Better than ± 10%	
Operating Voltage		48 V DC ± 2 V	
Dimensions (L x W x H)		79 x 29 x 129 mm	117 x 29 x 129 mm
Weight (kg)		0.3	0.44

**At 100% output setting*
Note: All measurements are taken using the EIT PowerPuck II radiometer with UVA2 filter.

EXCELITAS TECHNOLOGIES®

www.excelitas.com
omnicure@excelitas.com

2260 Argentia Road
Mississauga, Ontario
L5N 6H7 CANADA

Telephone: +1 905 821-2600
Toll Free (USA and CAN): +1 800 668-8752
Fax: +1 905 821-2055

02.2015