



SCS PRECISIONCURE UVC (ARC)

PRECISIONCURE UVC (ARC) MERCURY ARC UV CURING SYSTEM

The SCS PrecisionCure UVC (ARC) curing system employs full-spectrum, mercury arc lamps to produce consistent and efficient UV radiation, ensuring optimal curing conditions for a wide range of materials. The system can be configured for single-sided (top) or double-sided (top and bottom) curing processes, providing the adaptability needed to meet diverse operational requirements and enhance production outcomes.

The PrecisionCure UVC (ARC) can function as a standalone unit or fully integrate with an SCS PrecisionCoat selective conformal coating and dispense system and/or an SCS PrecisionAdvance conveyor to provide a comprehensive solution. Built for continuous operation, the curing system minimizes downtime with its low-maintenance design to ensure production lines remain consistently operational, improving throughput.



FEATURES

- Full-spectrum mercury arc lamps
- Programmable curing profiles
- Single-sided or double-sided configurations
- Adjustable lamp power (120 – 300 watts per inch)
- Pin-type-edge handling conveyor
- Left to right conveyor travel
- Powered width adjust conveyor
- 4-inch top and bottom pass-through clearance
- Adjustable lamp height
- Windows®-based software with touchscreen display
- Integrates with PrecisionCoat software
- Maintenance timers
- Top and bottom active fan cooling
- Integrated exhaust
- Front and rear access to unit
- Exhaust interlocked sensor
- SMEMA interface

OPTIONS

- Right to left conveyor travel
- Auto width adjust conveyor
- Tower light



SCS PRECISIONCURE UVC (ARC) SPECIFICATIONS

Electrical	380 – 420 VAC, 50/60 Hz, 3Ø, 11.5KVA
Exhaust requirements	Variable 1,500 cfm / 2,550 m ³ /hr (built in)
Conveyor type	Pin-type-edge conveyor system
Conveyor speed	0.1 to 8 in/sec / 0.3 to 20.4 cm/sec
Conveyor pass line height	37 in / 94 cm (± 1 in / 2.5 cm)
Tunnel clearance	4 in / 10.2 cm (top and bottom)
Substrate width	2.5 to 20 in / 6.5 to 50.8 cm
Substrate length	Min: 4 in / 10.2 cm
Load capacity	55 lb / 25 kg total, 15 lb / 7 kg per individual board
Dimensions (W x D x H)	88.6 x 37.6 x 49.5 in / 225.2 x 95.6 x 125.6 cm
Weight, skidded	1,275 lb / 580 kg

LAMP SPECIFICATIONS

UV source	Tubular, full spectrum mercury arc lamp
Input power	Max: 7,500 W at 300 W/in per lamp
Irradiated width	20 in / 20.8 cm

INNOVATIVE SOLUTIONS FOR ADVANCED TECHNOLOGIES

With over 50 years of experience and locations around the world, Specialty Coating Systems is the global leader in conformal coating technologies. This extensive coating and application experience is leveraged on each and every customer project, including the industry-leading systems that SCS designs and manufactures. From conformal coating, dispensing and cure systems to ionic contamination test systems, SCS equipment is used in environments that range from university and research labs to high-volume production facilities. SCS' proactive approach to production and quality requirements—testing, validating, documenting and processing—enables customers and their advanced technologies to meet the most challenging industry specifications and quality requirements.



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