



PRECISIONCURE UVC (MUV)

PRECISIONCURE UVC (MUV) MICROWAVE UV CURING SYSTEM

The SCS PrecisionCure UVC microwave UV curing system provides customers with the flexibility needed to take their manufacturing operation to the next level. This new, innovative curing system features programmable curing profiles and the smallest footprint in the industry to maximize valuable production floor space.

The PrecisionCure UVC (MUV) utilizes Heraeus Noblelight® microwave-activated UV lamps, the industry standard in microwave UV curing technology. Available in single, double and triple lamp configurations, the PrecisionCure UVC (MUV) can operate as a stand-alone machine or as a compliment to the SCS PrecisionCoat selective conformal coating and dispense system. The curing system features Windows®-based software with a touchscreen monitor and is designed for continuous operation, offering minimal downtime for maintenance.



In standard curing processes, the board moves on the conveyor beneath a fixed lamp. The PrecisionCure UVC (MUV) features a patent-pending lamp movement trolley that enables the UV lamp to move across the horizontal axis over a product on the conveyor. In addition, users can customize each profile to vary the dosage of UV exposure on the different components of a single board. The PrecisionCure UVC's advanced lamp travel technology coupled with programmable curing profiles provides users with unparalleled control over the curing process.

SYSTEM FEATURES

- Heraeus Noblelight microwave-activated UV lamps
- Programmable curing profiles
- Available in single (6.6-inch), double (13.2-inch) and triple (19.8-inch) lamp configurations
- Pin-type-edge handling conveyor
- Left to right conveyor travel
- Powered conveyor width adjust
- 5-inch top and bottom pass through clearance
- Lamp movement trolley
- Adjustable lamp height
- Pneumatically-operated inlet/outlet shutters
- Windows-based software with touchscreen display
- Maintenance timers
- Front and rear access to unit
- Exhaust interlocked sensor
- Inlet air filtration system
- SMEMA interface

OPTIONS

- H, D or V bulbs available
- Right to left conveyor travel



SCS PRECISIONCURE UVC (MUV) SPECIFICATIONS

Electrical	Single Lamp System: 200-230 VAC, 50/60 Hz, 1Ø, 25A Double Lamp System: 200-230 VAC, 50/60 Hz, 1Ø, 45A Triple Lamp System: 200-230 VAC, 50/60 Hz, 3Ø, 45A
Exhaust requirements	Single Lamp System: 225 SCFM / 380 m ³ /hr Double Lamp System: 375 SCFM / 640 m ³ /hr Triple Lamp System: 525 SCFM / 900 m ³ /hr
Conveyor type	Pin-type-edge conveyor system
Conveyor speed	0.5 to 10 in/sec / 13 to 254 mm/sec
Substrate width	2.5 to 20 in / 6.5 to 50.8 cm
Substrate length	Min: 4 in / 10.2 cm Max: 28 in / 71 cm
Drive System	Chain drive with 3/8 in pin chain
Tunnel Clearance	5 in / 12.7 cm (top and bottom)
Air supply	80-110 psi clean dry air and/or nitrogen
System Dimensions (W x D x H)	46.1 x 49.2 x 72.8 in / 117 x 124.9 x 184.9 cm
Weight, skidded	1,600 - 2,000 lb / 725 - 910 kg

UV LAMP SPECIFICATIONS

UV source	Tubular, mercury lamp
Output power	300 W/in / 118 W/cm
Optics	Focused irradiator, focal point 2.1 in below irradiator unit



INNOVATIVE SOLUTIONS FOR ADVANCED TECHNOLOGIES

With 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.



7645 Woodland Drive, Indianapolis, IN 46278 United States
TF 800.356.8260 | **P** 317.244.1200 | **W** scsequip.com