



SCS PRECISION UVC

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The Precision UVC cure unit offers full-spectrum UV curing in perfect integration with the SCS PrecisionCoat selective conformal coating and dispense system. Coupled together, components move from the PrecisionCoat to the Precision UVC automatically and the curing cycle is controlled by the coating system. This continuous operation offers increased output and minimal downtime. The Precision UVC, when controlled by a computer, can also operate independent of a coating system.

The Precision UVC has a full spectrum mercury UV source with three intensity settings and covers a cure zone 24 inches wide (61 cm) at an intensity of 300 W/in (118 W/cm). The unit cures a wide variety of UV curable coatings as well as inks, solder masks and other materials. The Precision UVC has optional automatic conveyor-width adjustment.

SYSTEM FEATURES

- Three selectable power levels, from 125 W/in to 300 W/in (40 W/cm to 118 W/cm)
- Standby mode
- 2-inch to 24-inch process width
- 4-inch top and bottom pass-through heights
- 24-inch pin chain conveyor with automated width adjustment option
- Emergency stop switches
- Exhaust and panel safety interlocks
- SMEMA compatibility

OPTIONS

- Dual-sided UV cure zone to increase curing capacity
- Automatic conveyor width adjustment
- Stand alone configuration



SCS PRECISION UVC SPECIFICATIONS

UV source	Tubular, full spectrum mercury lamp
Arc length	25 in / 63.5 cm
Input power	Single Lamp System: 7,500 W at 300 W/in / 118 W/cm
Optics	Interfocused, air-cooled reflector module
UV flux	860 W/ft ² / 926 mW/cm ²
UV path length	9.5 in / 24.13 cm in direction of conveyor travel
UV efficiency	UV radiation = 22% of lamp power
Conveyor type	Variable width, extended pin chain
Drive system	2 to 20 ft/min / 0.61 to 6.1 m/min
Substrate width	2 to 24 in / 5.08 to 61 cm
Maximum substrate height	4 in / 10.2 cm above and below pass line
Electrical	220 – 240 VAC, 50/60 Hz, 1Ø, 9.5 KW (alternate electrical configurations available)
Exhaust requirements	Variable 1,500 cfm / 1,062 m ³ /h (built in)
Dimensions (W x D x H)	95 x 46 x 62 in / 214 x 117 x 157 cm
Weight	700 lb / 318 kg

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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