



SPECIALTY COATING SYSTEMS™



SCS Precision UVC

The new SCS Precision UVC cure unit offers tubular full-spectrum UV curing in perfect integration with the SCS Precisioncoat. With the two systems coupled, components move from the Precisioncoat to the Precision UVC automatically, and the curing cycle is controlled by the coater. This continuous operation offers increased output and minimal downtime. The Precision UVC, when controlled by a PC, 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.



SCS Precision UVC

SCS Precision UVC Features

- Three selectable power levels, from 125 W/in to 300 W/in (40 W/cm to 118 W/cm)
- 20-inch pin chain conveyor with automated width adjustment option
- Optional second UV cure zone increases throughput capacity
- SMEMA compatibility
- Conforms to NFPA 70



The SCS Precision UVC mates seamlessly with both SCS Precisioncoat systems for automated coating and UV curing.

Specifications

UV source	Tubular, full spectrum mercury lamp
Arc length	25 in / 63.5 cm
Input power	7,500 W at 300 W/in / 118 W/cm
Optics	Interfocused, air-cooled reflector module
UV flux	860 W/ft ² / 945 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
Conveyor width	2 to 20 in / 5.08 to 50.8 cm
Drive system	2 to 20 f/m / 0.61 to 6.1 m/m
Substrate width	2 to 20 in / 5.08 to 50.8 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	1,250 cfm / 105m ³ /h
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.

Specialty Coating Systems leads the industry in providing Parylene solutions for our global customers' advanced technologies. SCS is the direct descendant of the companies that originally developed Parylene, and we have more than 30 years of experience and expertise that we leverage on every project for our customers – from the initial planning phases, to advanced engineering, to the development of application processes.

Our worldwide resources include highly experienced sales engineers, some of the world's foremost Parylene specialists, and expert manufacturing personnel working in 10 state-of-the-art coating facilities around the globe. In addition to coating services, we design and manufacture industry-leading Parylene deposition systems; liquid spray, dip and spin coating systems; ionic contamination test systems; and UV and thermal cure units. Our equipment is used in environments that range from small university and research labs to high-volume production applications.

Our extensive and proactive approach to production and quality requirements – testing, validating, documenting and processing – provides our customers peace of mind and minimizes their resources needed to meet the most challenging industry specifications and quality requirements.



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