



SPECIALTY COATING SYSTEMS™

## SCS Precision UVC

The Precision UVC cure unit offers full-spectrum UV curing in perfect integration with the SCS Precisioncoat. Coupled together, 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 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.

### SCS Precision UVC Cure Unit Features

- Three selectable power levels, from 125 W/in to 300 W/in (40 W/cm to 118 W/cm)
- 2-in to 24-in process width
- 4-in top and bottom pass-through heights
- 24-in pin chain conveyor with automated width adjustment option
- Optional second UV cure zone increases throughput capacity
- SMEMA compatibility

### Safety and Compliance

- Emergency stop switches
- Exhaust and panel safety interlocks



SCS Precision UVC

Now available with  
**Heraeus**  
Fusion UV lamps!

## SCS Precision UVC Specifications

<b>UV source</b>	Tubular, full spectrum mercury lamp
<b>Arc length</b>	25 in / 63.5 cm
<b>Input power</b>	7,500 W at 300 W/in / 118 W/cm
<b>Optics</b>	Interfocused, air-cooled reflector module
<b>UV flux</b>	860 W/ft <sup>2</sup> / 926 mW/cm <sup>2</sup>
<b>UV path length</b>	9.5 in / 24.13 cm in direction of conveyor travel
<b>UV efficiency</b>	UV radiation = 22% of lamp power
<b>Conveyor type</b>	Variable width, extended pin chain
<b>Conveyor width</b>	2 to 24 in / 5.08 to 61 cm
<b>Drive system</b>	2 to 20 f/min / 0.61 to 6.1 m/min
<b>Substrate width</b>	2 to 24 in / 5.08 to 61 cm
<b>Maximum substrate height</b>	4 in / 10.2 cm above and below pass line
<b>Electrical</b>	220 – 240 VAC, 50/60 Hz, 1Ø, 9.5 KW (alternate electrical configurations available)
<b>Exhaust requirements</b>	625 cfm / 1,062 m <sup>3</sup> /h
<b>Dimensions (W x D x H)</b>	95 x 46 x 62 in / 214 x 117 x 157 cm
<b>Weight</b>	700 lb / 318 kg

### *Innovative solutions for advanced technologies.*

*Specialty Coating Systems leads the industry in providing Parylene solutions for its global customers' advanced technologies. SCS is a direct descendant of the companies that originally developed Parylene, and we have more than 40 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 eleven state-of-the-art coating facilities around the globe. In addition to Parylene 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 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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