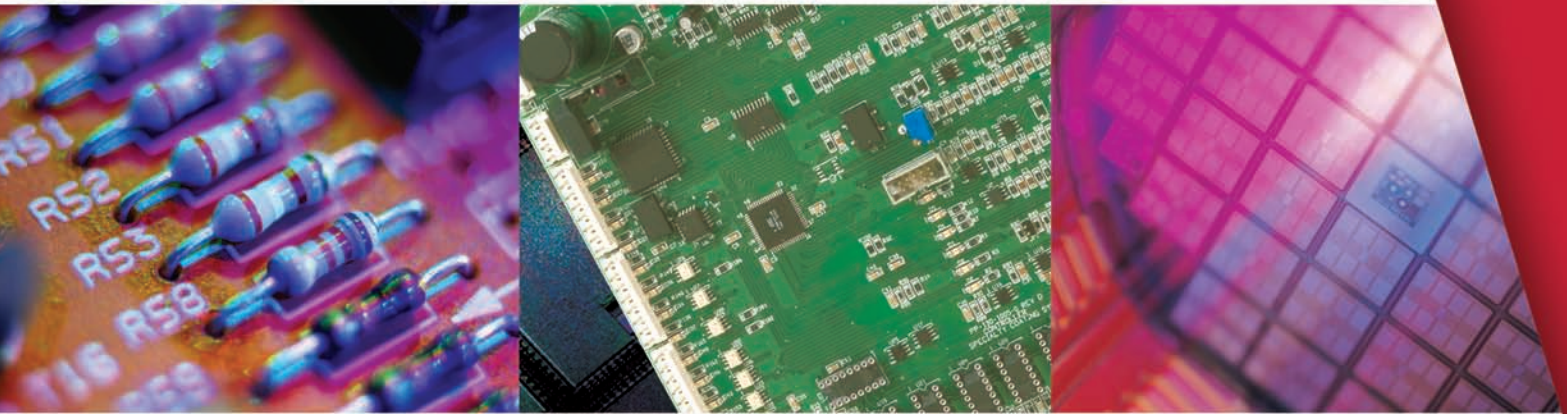




SPECIALTY COATING SYSTEMS™



SCS Precision IRT

The SCS Precision IRT is designed to safely and quickly cure a wide variety of coatings using both convection and long-wave infrared (IR) heat sources. This unique method of drying and curing ensures that a wide range of high- and low-solvent coatings and adhesives can be cured, with a greatly reduced potential for solvent entrapment, bubbling or blistering. In addition, the combination of convection and IR heat provides an energy efficient process that is less expensive and faster to run than many other types of curing systems.

The curing system is fully automated, with programmable process set-up and a conveyor that seamlessly mates with the SCS Precisioncoat for unattended coating and curing. The Precision IRT has a unique four-corner pneumatic lift mechanism that provides full access to the process cavity, from both sides of the system, for routine maintenance.

The Precision IRT utilizes large area filters that offer long life and are easy to replace. Additionally, the system features a full stainless steel process cavity and drip pans for fast and easy maintenance, minimizing downtime. An optional process cavity liner allows quick clean up and protects the system from coating drips, reducing overall maintenance and cleaning.



The SCS Precision IRT features a four-corner pneumatic lift for easy access to the process cavity.

SCS Precision IRT Features

- Independently controlled convection and infrared heating modules
- Four-corner pneumatic lift offers access from both sides of the system, simplifying maintenance
- Removable drip pans for fast and easy maintenance
- 400 series stainless steel process cavity
- Large area filters and stainless steel filter frames for long life and easy replacement
- Passline height of 35.4 ± 2.0 inches
- 18-inch conveyor width

Optional Features

- Exhaust control lowers power demand
- Dual-lane conveyor increases throughput (8.3 inches per lane)
- Automatic conveyor width adjustment
- Full-length process cavity liner virtually eliminates maintenance downtime
- Traffic control software with SMEMA communications
- Real-time profiling (four-channel wired or six-channel wireless)

SCS Precision IRT Models

Model Number	Input Module	Total Heated Length		Cooling Length	Output Module	Overall Length
		Preheat Length	Heated Length			
2046	22"	30" (two zones, 15" each)	51.5" (two zones, 25.75" each)	21.5"	9"	125.5"
2746	22"	30" (two zones, 15" each)	78" (three zones, 26" each)	26"	9"	157"
3246	22"	30" (two zones, 15" each)	94.5" (three zones, 31.5" each)	30.5"	9"	188.5"
4046	22"	30" (two zones, 15" each)	126" (four zones, 31.5" each)	30.5"	9"	220"

SCS Precision IRT Specifications

IR source	Rapid response IR emitters
Heat source	Convection and long-wave IR
Operating Temperature	Ambient to 180°C / 356°F
Total heated zones	Top: 4 to 6, depending on machine length Bottom: 1 preheat zone
Conveyor type	Variable width, extended pin chain 0.18 in/4.5 mm standard pin length (0.1 in/2.5 mm optional)
Conveyor width	2 to 18 in / 5.1 to 45.7 cm
Drive system	5.4 to 51.2 in per min / 13.7 to 130 cm per min (additional speeds optional)
Substrate width	2 to 18 in / 5.1 to 45.7 cm
Maximum substrate height	3.5 in / 8.9 cm above and below pass line
Electrical	208 VAC, 380 VAC, 480 VAC, 50/60 Hz, 3Ø
Exhaust requirements	125 to 400 cfm
Dimensions (H x D)	53.05 ± 2 x 37.4 in / 134.7 x 95 cm



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