SPRAY PYROLYSIS SYSTEM

🔅 Reliable & reproducible spray deposition process

OVERVIEW

IRASOL spray pyrolysis system has been designed for spray deposition of thin films in research laboratories, especially for solar cells fabrication.

The hot plate consists of illumination heating of a special low-E glass; facilitating easy plate cleaning and perfect substrate/hot plate thermal contact.

The glass spray nuzzle offers enhanced chemical spray compatibility for spraying different solutions, while being easy to clean. Each system includes two spray guns.



SPECIFICATIONS

SPS Technical Specifications		
Models	SPS-4000T	SPS-3000
Max. rising speed (RT-300° C)	200° C/min	\checkmark
Max. cooling speed (300-100° C)	100° C/min	\checkmark
Max. temperature	450° C	\checkmark
Max. heating power	2000 W	\checkmark
Uniform temperature area	15 x 15 cm ²	\checkmark
Heating area	23 x 23 cm ²	\checkmark
Glass type	Schott-NEXTREMA, thermal and chemical resistant	\checkmark
Temperature sensor	Thermocouple type K	\checkmark
Power	220V AC, 10A	\checkmark
Rotating spray gun	Only in the SPS-4000T model	-
Remote spray rate control	\checkmark	-
Spray gun operation	Solenoid valve	-
Touch panel controller	\checkmark	-



