

SPRAY PYROLYSIS SYSTEM

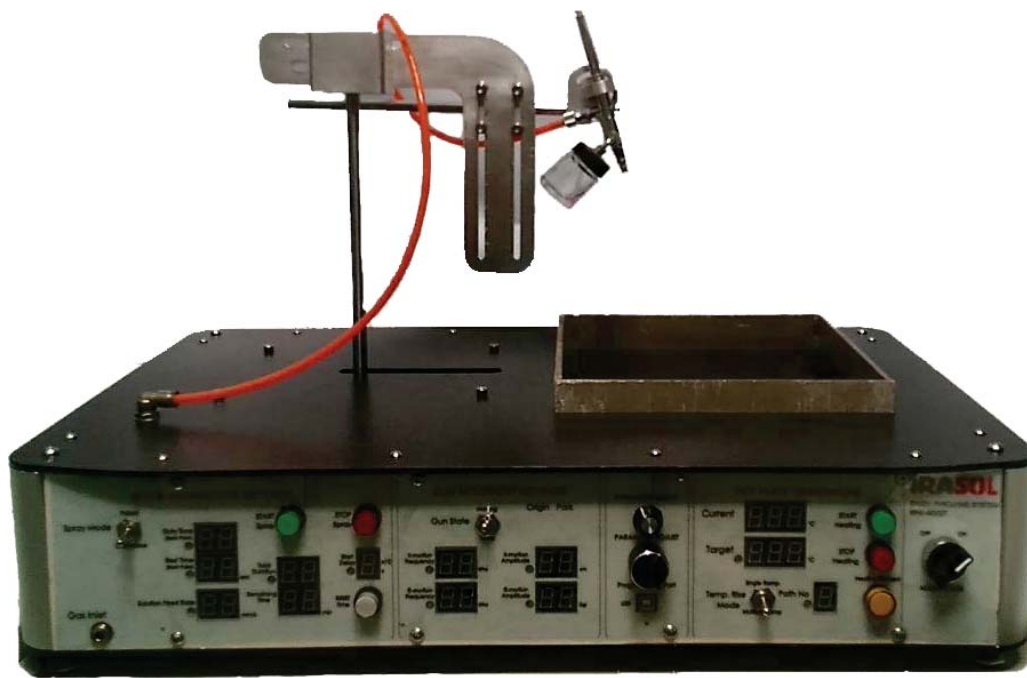
Reliable & reproducible spray deposition process

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