



THERMAL SYSTEMS

Solar Dryer for optimized processes

Energy efficient system at reduced operating costs



Drying System
Solar Equipment



RDS Solar Dryer

Ready for complex pastes

Nowadays manufacturers are more and more focussed on the quality of the drying process within the crystalline silicon solar cells production. Good drying means excellent adhesion of the printing pastes to the wafer. The drying recipe optimization, possible only with a versatile oven, is crucial to get to this target. The range of Rehm solar dryers covers the need of the industry with its peak temperature up to 300°C for the standard RDS version and 400°C for the RDS Speed version.

Both systems work with a hybrid heating system which guarantees a optimum drying performance. The system combines heat transfer with radiation and convections in a perfect synergy

up to **400 °C**

Facts and figures

Detail Information of the RDS Solar Dryer

System Types

	RDS 2100	RDS 3000	RDS SPEED
Overall Length:	3,5 m	4,5 m	5,4 m
Overall Width:	1,25 m	1,25 m	1,60 m
Footprint:	4,4 m ²	5,6 m ²	8,6 m ²
Weight:	approx. 1500 kg	approx. 2300 kg	approx. 2800 kg
max. Temp. Drying Radiation	300 °C	300 °C	400 °C
max. Temp. Drying Convection	300 °C	300 °C	300 °C
Heating Zones Drying:	5	7	7
Cooling Type:	Air	Air	Air
Cooling Zones Length:	630 mm	750 mm	1500 mm
Conveyor Width:	460 mm	460 mm	540 mm
No. of Transport Lanes:	dual lane	dual lane	dual lane
Lane Pitch:	210/270mm	210/270mm	350mm
Belt Speed Range:	1 – 8 m/min	1 – 8 m/min	1 – 11,5 m/min
Belt Type / Conveyor Material	Mesh Belt / Stainless Steel	Mesh Belt / Stainless Steel	Mesh Belt / NiChrome V
Throughput:	4000 wph	4000 wph	7200 wph
Case of Application:	Ag print drying	Al print drying	Al/Ag print drying
Transport Height:	930 +/-50 mm	930 +/-50 mm	930 +/-50 mm