



## **ASPO-11 – Preheat Oven**

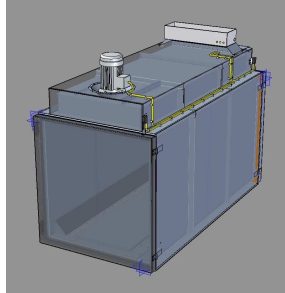
The Preheat Oven (ASPO) is used in photovoltaic production lines. Its purpose is to heat up a carrier containing the PV panels before the deposition of their active layer. This is to enable virtually constant deposition of amorphous silicon in the CVD without the need to heat the panels up by the CVD itself. This maximizes production rate and cost efficiency.



*The Preheat Oven (ASPO-11)*

The Oven is designed to accept a multipurpose transport vehicle, the Box Carrier. Thus, it can heat up 48 panels at once. When the CVD is ready, the Box Carrier can be quickly transferred from the Preheat Oven to the CVD Chamber. The ASPO has the most possible common parts with the Cool-down Chamber (ASCO).

**ASPO-11 – Preheat Oven**



**Specifications**

Power:	26 kW
L × W × H:	2055 × 1045 × 2420 mm
Mass:	580 kg (empty)
Workpiece:	48 solar plates loaded in the Box Carrier
Glass size:	1245 × 635 mm (thickness: 3.0 ~ 3.3 mm)
Cycle time:	2 h 30 min
Heating:	electric
Heating air temperature:	250 °C (programmable)
Temperature homogeneity:	2 °C

**Features**

Gentle heating to avoid heat shock
Able to hold temperature
Uniform temperature level
Programmable operation
Closed air circuit for minimal environmental impact
Easy to use
European CE-compatible