



# Convection Oven - PO1200

Special unit for Pre-Preg processing

(Article No. 06-500)

- Control with Touch-Panel
- For Pre-Preg processing optimized program
- Material-temperature controlled heating process
- Timer- und Ramp feature
- Standard 4x vacuum connector



2x Double-pane viewing window

PLC control with touch-panel and separate mould-sensor for process control by material temperature

Standard 4x vacuum-connector with external water-separator

pic shows PO1200 with standard equipment





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# Convection Oven - PO1200

**Retain control! - The new PO1200 is the only unit in the O&P field which is able to operate the heating process by the material temperature**

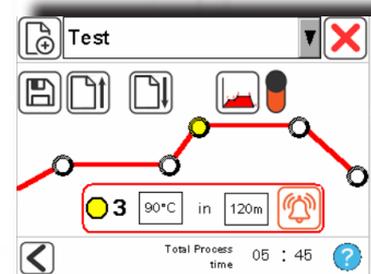
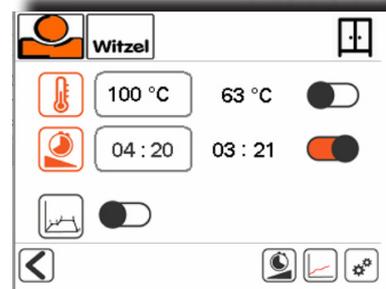
## Feature overview



- Microprocessor based control with PID feature, optimized for Pre-Preg processing
- User friendly control interface with touch-panel
- Timer- and Ramp-feature for programming individual heating graphs
- Mould/Material-sensor to control the unit by material temperature
- Energie-saving 3-zone segmentation to reduce inside dimensions of the heating cabinet for small moulds
- Standard 4x vacuum-connector with external water-separator

The PO1200 convection oven has been developed for the special needs of Pre-Preg processing in the O&P field. The large housing with double doors allows to place multiple hanging moulds inside the oven. A standard 4x vacuum connector is mounted inside the oven. An external water separator is placed at the right side of the housing.

During development a special attention has been focused on the control which manages the heating process. „Heart“ of the system is the microprocessor based central control unit with its special inhouse engineered software and user interface. The integrated touch-panel and its interactive menu control allows an intuitive operation of the multiple functions. For a specific monitoring of the entire process it can also be controlled by an external temperature sensor (standard scope of delivery). For that just a thin wire sensor is placed at the edge of the Pre-Preg material, between the layers and plugged into the front panel of the control unit. Thus the entire heating process is controlled by the exact core temperature of the material.



Further an integrated Timer- and Ramp-feature allows to program and store individual heating graphs. Withal the user can visualize the entire heating process by a graphic trend. Disturbances can be monitored by a screen entered from the main menu.

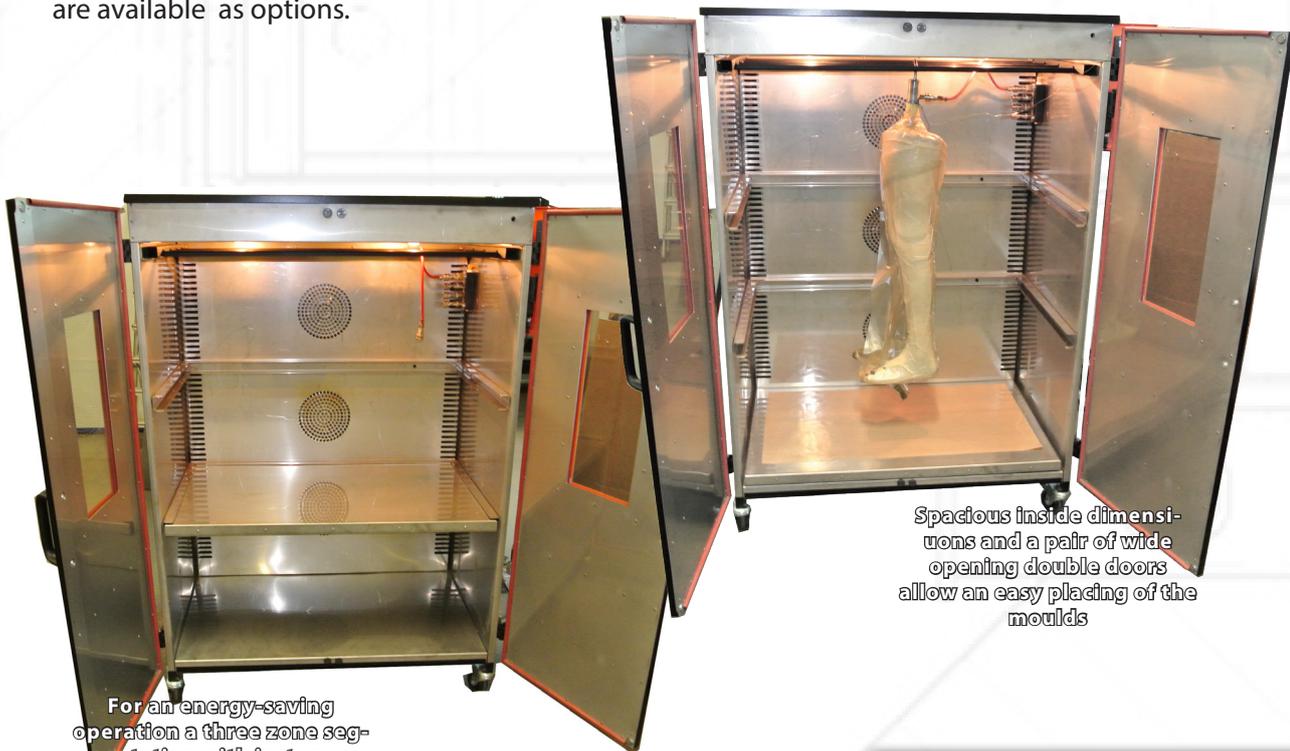


## Convection Oven - PO1200

- + Energy-saving by three zone segmentation
- + Processing of normal Thermoplastics possible as well.
- + Accessories for processing of Blister forming frames available as an option

Due to the three zone segmentation the user can adjust the inside dimension of the heating cabinet. Thus the energy consumption is reduced to a minimum when processing smaller moulds. The specific zones are automatically activated by placing the intermediate shelf.

If required, the PO1200 Pre-Preg oven can also be used for processing normal Thermoplastics like PE or PP. Dedicated accessories like Blister-forming frames, cradles or teflon coated shelves are available as options.



Spacious inside dimensions and a pair of wide opening double doors allow an easy placing of the moulds

For an energy-saving operation a three zone segmentation with intermediate shelf allows to adjust the inside dimensions of the heating cabinet in three steps.

Extensive capabilities offer to adjust the oven setup to the specific demands of every user. Due to its multi-lingual user interface and the option to switch between °C and °F the unit is well prepared for global markets





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## Convection Oven - PO1200

### Technical Details:

Type:	PO1200 - Convection Oven for the O&P field Special unit, optimized for Pre-Preg processing
Footprint:	~ 1,2 m <sup>2</sup>
Dimensions:	Outside: W 1230mm - D 920mm - H 1570mm Inside: W 1000mm - D 620mm - H 1200mm
Housing:	Moveable on 4 casters with stop, double doors with double-pane viewing window Three zone heating cabinet segmentation by intermediate shelf
Electr. Connection:	400V / 50Hz / 3 Phase / (16 Amp. CEE) / total capacity 10,2 kW other voltages on request
Heating:	3x 3300W, 3x fan motor with reversing rotation direction
Temperature sensor:	either by oven or mould/material temperature
Temperature control:	Microprocessor controlled, User interface with touch-panel, PID-controller feature, Temperature infinitely adjustable 30°C to 220°C, Temperature unit adjustable °C/°F, Timer- and Ramp-feature individually programmable, graphic trend indicator, multi-lingual user interface (DE,EN,FR,IT)
Illumination:	2 x 25 watts
Colour:	Inside stainless steel, outside structural effect paint RAL 7035 light grey, other RAL colours available on request (surcharge)
Weight:	net: 283 kgs gross: 418 kgs (incl. crate)
Accessories:	<ul style="list-style-type: none"><li>• Universal-crate for Blister-Forming frame (width adjustable) (Art. No. 07-131)</li><li>• Blister-Forming frame D=360mm (Art. No. 07-132)</li><li>• Baumeister Pre-Preg Set for PO ovens</li></ul>

