

## Vapor Prime Oven VPO 200

Reinraumtechnik Lanz's reliable, new HMDS Oven for pre-programmed dehydration and vapor deposition to generate photoresist adhesion.

This newly developed vapor prime oven is controlled via a PLC with industrial PC and an easy-to-use touch panel.

### Description

An unlimited number of recipes, each with 15 steps, are included in the software.

The system is completely manufactured of stainless steel. This oven is equipped with door lock protection to ensure that that the processing is first carried out after the door is secured.

The HMDS bottle is mounted in a separate cabinet inside the system. The bottle itself has a level sensor. A rotary vane pump provides optimal vacuum.

Batch recording is also included. This allows the user to store the actual process values on the PC.

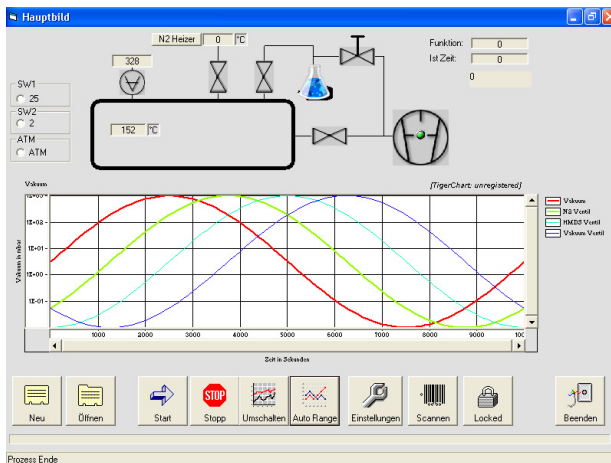


### Features and Benefits

- Two-hand handling for opening and closing the door
- User-friendly touch panel for set up and operation
- Maximum Temperature: 150°C
- Temperature Sensor Error Surveillance
- Password-protected service and edit functions
- Vacuum interlock
- Vacuum pump switches on and off automatically
- Communication from PC to PLC via OPC-Server<sup>®</sup>
- Adjustable N2 flow into chamber
- Media valves located in a separate, lockable cabinet in rear of oven
- Vacuum gauge check
- System value check
- Pressure relief valve for N2
- Fire protection system
- Emergency switch
- Easy to disassemble installed HMDS bottle
- Light tower for system status
- For up to 200mm wafers
- Loading capacity 16x150mm wafer carriers
- Space-saving slight door
- 12 months warranty
- CE marking

For more details, please contact Reinraumtechnik Lanz – Germany at [info@rrt-lanz.com](mailto:info@rrt-lanz.com)

Subject to change without prior notice.



Sample display of main menu

## Facility Requirements

400 V, 3-phase + N + PE + PE for grounding; 50 Hz, 32 Amp.

## Dimensions

- External: 1700 x 1300 x 2250 mm (w x d x h)
- Chamber: 1143 x 560 x 300 mm (w x d x h)
- Chamber: approx. 200 l
- HMDS bottle: approx. 300 ml
- Reachable End vacuum: < 1 mbar
- Total weight: approx. 500 kg
- Max. Temperature: 150°C

## Options

- Barcode scanner
- Pump rack
- N2 pre-heating
- Online maintenance via modem or VPN
- Maintenance / Service manual printed on cleanroom paper