



Vacuum Drying Oven VUT

For battery cell manufacturing in semi-continuous operation

To meet the future plans of the automotive industry, PINK has developed a system for flexible drying of battery products for electric car applications. A crucial step in cell development is vacuum drying of anode and cathode materials up to low moisture content for longest lifetime and highest capacity. PINK's high-grade vacuum ovens in stainless steel offer best heat transfer technology and are also available as sluice versions for direct product transfer into dry room.



Technical data

- Size: customized between 1 and 3 m³
- Temperature: max. 150°C or 200°C
- Vacuum: up to 0,01 mbar
- Heating method 1: oil circulating in double jacket to avoid condensation
- Heating method 2: circulating air or inert gas for active heating and cooling of product
- Material: stainless steel 304 or 316L

System features

- Flexible drying in batch ovens with individual recipes for anode and cathode
- Highest redundancy with separation between process and technical area (wall installation)
- Use of ovens as storage chambers without risk of rewetting
- Automatic loading and unloading with transfer system, AMF (autonomous mobile forklift) etc.
- Easy expansion with additional ovens, to adapt the drying time to upstream and downstream processing step

PINK GmbH Thermosysteme

Am Kessler 6 · 97877 Wertheim-Bestenheid · Germany

T +49(0)9342 919-0 · info@pink.de · www.pink.de

