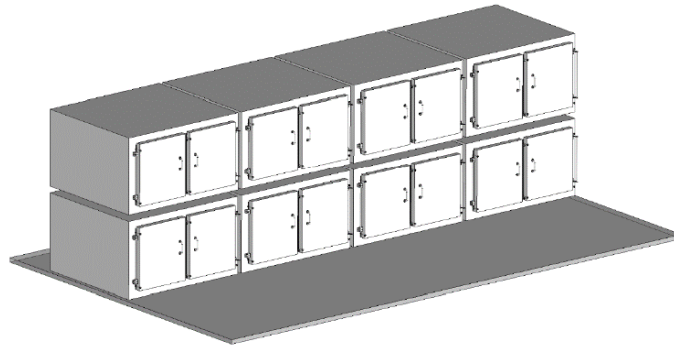




Fraunhofer Research Institution for
Battery Cell Production FFB



Vacuum dryer system with exhaust air treatment

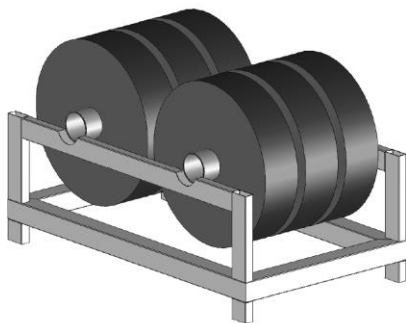
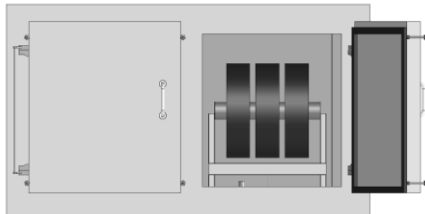
VVT 2 x 110/130/190- WT- M- 200°C

Application

Post- drying of electrode coils in a vacuum

Industrial sector

Battery Production



Potential fields of application

Drying processes under vacuum, in which the product places demands on high-end quality, which is produced with the help of internal filtration.

Technical Data

Nominal temperature:	200°C
Heating capacity:	72 kW
Cooling capacity:	55 kW
Supply voltage:	3 (N) PE AC 400 V, 50 Hz

Inner dimensions (per chamber):

Width	1100 mm
Height	1300 mm
Depth	1900 mm

Outer dimensions, casing:

Width	3100 mm
Height	1800 mm
Depth	3050 mm

Equipment

- Vacuum dryer stackable
- Installation in a dry room with dew point -60°C, cleanroom class ISO 8
- External temperature control unit for heating and cooling and integrated convective heating
- Vacuum recipient and outer housing made of stainless steel, optimized for installation in the cleanroom
- Siemens S7 controls with OPC- UA
- Loading by means of lift trucks and oven carriers suitable for cleanrooms

Special features

- Vacuum pumping station including condenser unit for the safe separating of solvents to comply with TA- Luft
- Connection to the MES of the Fraunhofer FFB for digital order management and complete traceability of each individual coil
- Handling system expandable to fully automated system to increase productivity and protect the investment