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# LAB-VAULT

**Advanced Inhousing for  
high-end Laboratory Instruments**



Instrument protection 

Climate control 

Noise protection 

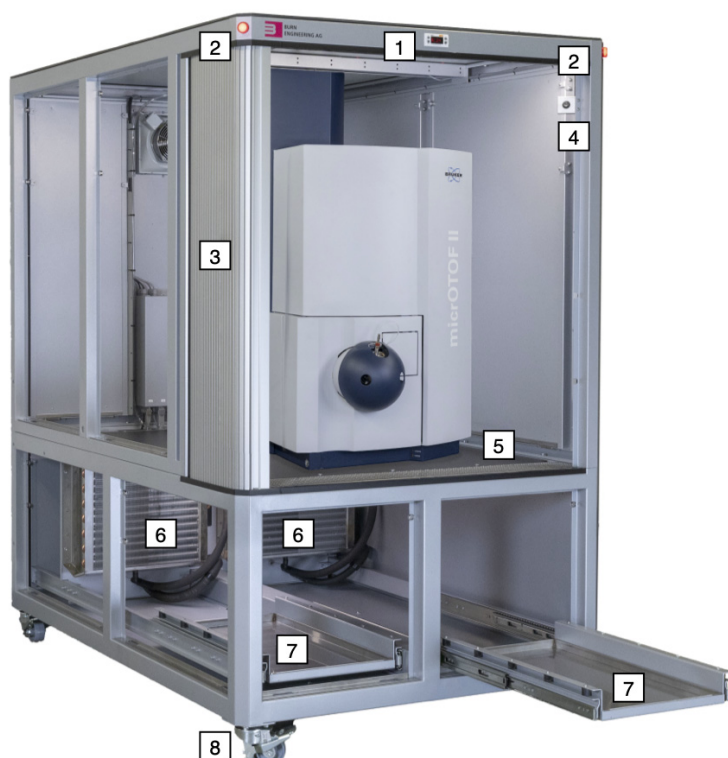
## Engineered for Lab and Office co-location

Designed for modern laboratories, the **LAB-VAULT** provides a reliable, space-efficient and protective inhousing solution for high-end instrumentation.

The **rugged housing protects** equipment from dust, vibration and accidental liquid spills. **Integrated air conditioning** ensures precise climate control for consistent analytical results. **Noise-absorbing surfaces** reduces sound emissions significantly and make the LAB-VAULT ideal for environments where laboratory and office spaces are integrated.

The **upper compartment** provides a fully thermostat-controlled and easily accessible environment ideal for temperature-sensitive or delicate equipment such as mass spectrometers, UHPLC systems, sequencers, FACS instruments or other precision instruments requiring stable temperature conditions.

The **lower compartment** is designated for peripheral devices including vacuum pumps, PCs, solvent reservoirs and waste containers.



Front view with open sliding door and dismantled panels



Rear view

### Legend

|                                |                                                               |                                            |                              |
|--------------------------------|---------------------------------------------------------------|--------------------------------------------|------------------------------|
| 1 PID temperature controller   | 5 Support for laboratory Instrument                           | 8 Swivel and lockable lifting castors      | 11 Identification plate      |
| 2 Alarm indicator lights       | 6 Air/Water-Heat exchanger                                    | 9 Removable panels with magnetic fastening | 12 Electrical-box            |
| 3 Roller shutter sliding door  | 7 Pull-out drawer for additional equipment (e.g. vacuum pump) | 10 Emergency fans (2 pcs optional)         | 13 Cable entry               |
| 4 Interior illumination switch |                                                               |                                            | 14 Cooling water connections |

## Technical Specification

- Supporting structure made of powder-coated sheet steel
- Removable panels made of powder-coated sheet aluminum with soundproofing elements and magnetic fastening
- Roller shutter sliding door at the front (can open to the left or right)
- RESOPAL support plate for laboratory instrument (load capacity 200 kg)
- Swivel and lockable BOSCH lifting castors
- Air conditioning by 1 or 2 Air/Water-Heat exchangers with 2000 W nominal cooling capacity each
- Individually adjustable temperature control with high/low temperature alarm (accuracy  $\pm 0.2$  K)
- Interior illumination by LED lights
- Dimensions, configuration and painting of the housing **according to customer requirements**
- Optional: Lower part with 1 or 2 pull-out drawers for additional equipment (load capacity 100 kg each)
- Optional: Emergency fans (additional safety in case of cooling failure)