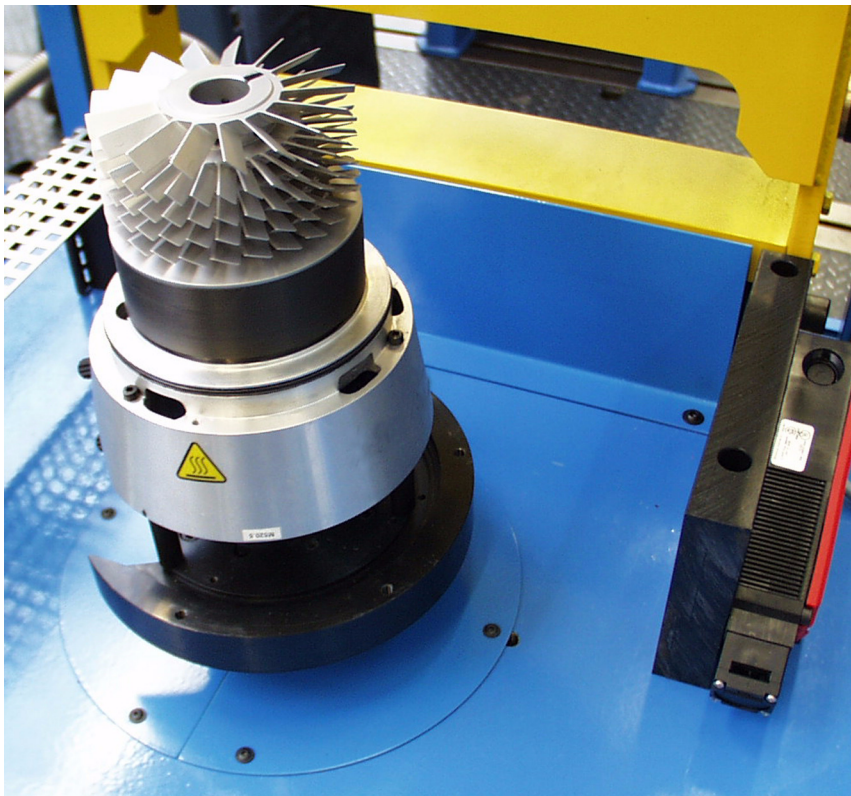


Balancing Machine for Vacuum Pumps

UVK41EAM1



Advantages

- Easy operation.
- Compact design for minimum floor space requirement.
- User menu with direct display of unbalance correction on the monitor.
- Permanent calibration.
- High balance accuracy.
- Type specific holders for simple and fast retooling.
- Large access opening for simple loading and unloading.
- Balancing in one or two planes.

Applications

- Balancing of self-driven vacuum pumps with external control or complete assemblies.
- Customized unbalance correction by:
 - Weight removal by nibbling or grinding,
 - Weight addition by axial mounting of screws,
 - Changing of mass distribution by moving of counterweight rings or radial adjustment of screws.
- Application in production, rebuilding/maintenance and development.

Description

- Vertical hard-bearing balancing machine for measuring and correcting unbalance on rotors in one or two planes.
- The workpiece is clamped and centered with zero-backlash using a rigid, manual holder.
- The switchable drive voltage for different vacuum pumps is controlled by the measuring unit.
- Unbalance compensation directly on the machine by manual insertion of set screws.

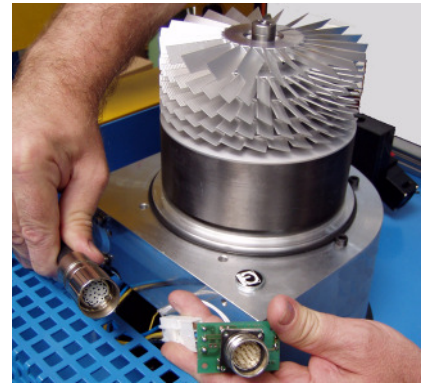
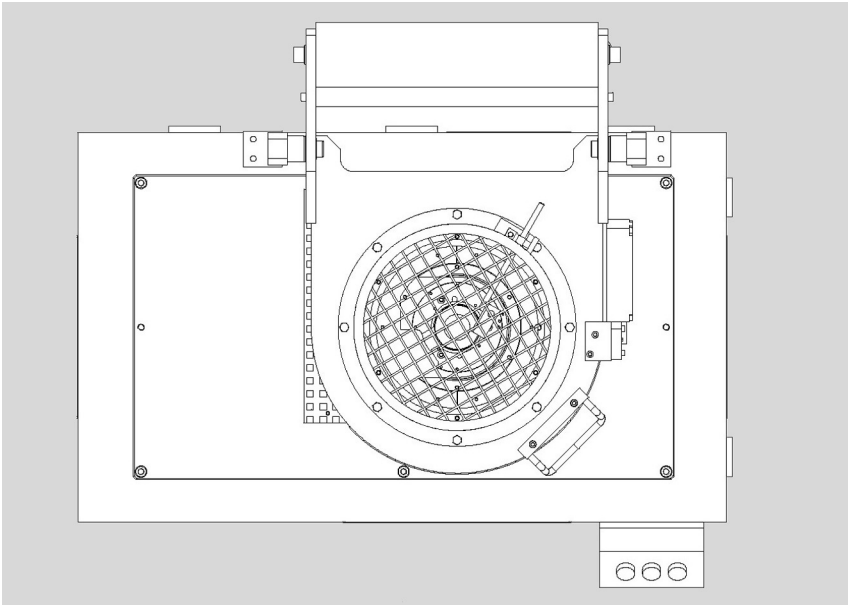


General view



Hood with rupture protection

All information without obligation, subject to change without notice



Workpiece contact

Technical data

Rotor:

Weight	kg	1 - 40
Diameter, max. ¹⁾	mm	320
Height with adaptor, max. ¹⁾	mm	225

Machine:

Width x depth x height	mm	1000 x 870 x 1270
Balancing speed	rpm	2500 - 10,000
Measuring uncertainty ²⁾	gmm	0.5 - 1.0

¹⁾ Other dimensions on request

²⁾ Depending on workpiece

Options

- Power supply controlled by measuring unit
- Integration of customer controllers
- Type recognition of vacuum pump unit by built-in controller
- Test rotor with calibration weights
- Report printer

Scope of supply

- Rigid machine housing
- Two plane measuring system
- Hinged guard class D as per ISO 7475 (rupture protection)
- Hinged guard integrated scanning device
- Machine control
- Measuring unit with keyboard and monitor
- Balancing software with various balancing algorithms
- Statistics software