

Vertical Dynamic Balancing Machine

VVK41EAM1



Advantages

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

Applications

- Balancing of self-propelled ventilators, fans and blowers.
- Workpieces with stator mounting or complete assemblies.
- Application in production, rebuilding/maintenance and development.
- Unbalance correction is performed directly on the machine by adding weights, such as clamps.
- Manual loading.

Description

- Vertical hard-bearing balancing machine for measuring and correcting unbalance in one or two planes with semi-automatic operation.
- Centring is achieved by pneumatic collet chuck.
- The measuring unit controls:
 - The different voltages for the various fans,
 - The electrical brake unit,
 - The change of direction of rotation.
- The indexing of the correction angle is displayed on the monitor.
- The statistics software evaluates the production data.



Radial fans

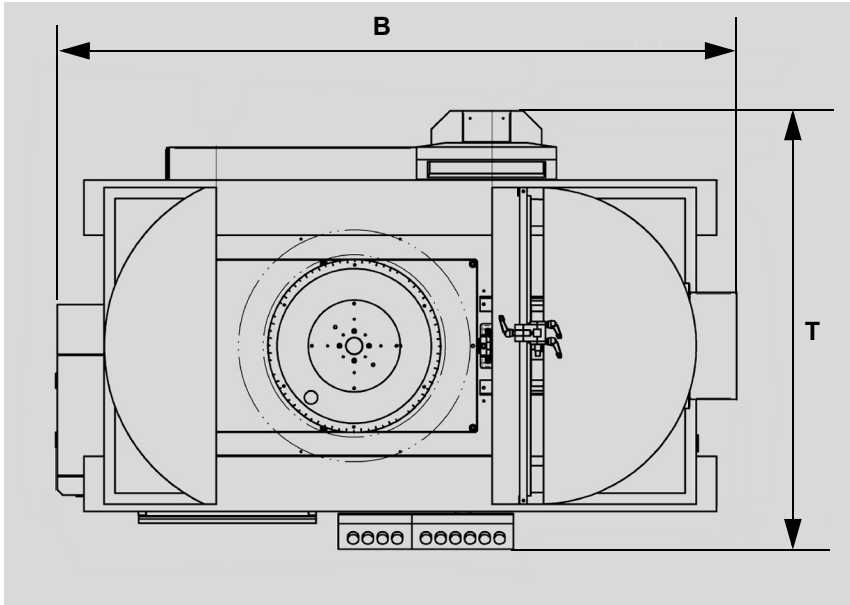


Axial fans with stator

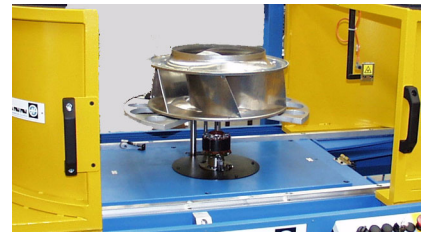


Adaptor for complete assemblies

All information without obligation, subject to change without notice



Land detection



Lifting device

Technical data

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Rotor:

Weight	kg	1 - 40
Diameter, max. ¹⁾	mm	750
Height with adaptor, max. ¹⁾	mm	460

Machine:

Width x depth x height	mm	1900 x 1200 x 1700
Balancing speed	rpm	600 - 2500
Minimum attainable residual unbalance	gmm	3 - 5

¹⁾ Other dimensions on request

Options

- Power supply controlled by measuring unit
- Integration of customer controllers
- Lifting device as a lifting aid for heavy workpieces
- Land detection for simplified positioning during compensation
- Test rotor with calibration weights
- Report printer

Scope of supply

- Rigid machine housing
- Sliding protection class C as per ISO 7475
- Sliding protection integrated scanning device
- Machine control
- Measuring unit with keyboard and monitor
- Balancing software with various balancing algorithms
- Statistics software