

Balancing Machines for Ventilators, Blowers and Fans

VHKS 17



Applications

- Horizontal balancing of ventilators, blowers and fans.
- Balancing of rotors with self-propelling or external drive.
- Adaption is done by a clamping mandrel HSK 100 or a motor adapter.
- Free programming of correction. Positive compensation by setting of clamps or negative compensation by scraping.

Description

- Horizontal hard-bearing balancing machine for measuring and correcting unbalance in one or two planes with semi-automatic operation process.
- The rotors are clamped force fitting with a clamping mandrel or a HSK adapter and driven by a spindle with asynchronous motor.
- State-of-the-art measuring technique
 - controls the drive
 - controls the process
 - determines the unbalance
 - calculates the compensation parameters
 - supports the operator during correction of the rotor
- Statistics software for evaluation of production data or connection to a higher-level computer.

Advantages

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



Safety hood open



Safety hood closed

Technical data

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Rotor:		
Weight	kg	1 - 100
Diameter, max.	mm	1000
Length of rotors, max.	mm	600
Machine:		
Width x Depth x Height	mm	1500 x 800 x 1500
Measuring drive	kW	2.2 - 11, depending on rotor seize
Measuring speed	rpm	60 - 1200
Display sensitivity	gmm	0.5
Unbalance reduction ratio	%	95

Options

- Power supply controlled by measuring unit
- Integration of customer controllers
- Easy changeover of crossbar scanning device due to display of position
- Test rotor with calibration weights
- Report printer
- Statistics software

Scope of supply

- Rigid machine housing
- Safety hood class C accord. ISO 7475
- Scanning device integrated in safety hood
- Machine control
- Measuring unit with keyboard and monitor
- Balancing software with various balancing algorithms