Hofmann.
Intelligent Balancing Solutions

Balancing Machine for Ventilators, Blowers, and Fans

VHK11E-AM1 / VHK11E-AM2

Applications

- Balancing of ventilators, blowers and fans. Rotors can be in axial or radial design.
- Rotors with self-propulsion or external drive.
- Complete test procedures (electricity, speed and unbalance) can be freely programmed.
- Mono or tandem machine design. The tandem machine works with overturning stroke, what results in an extremely short cycle time.
- Free programming of correction. Position compensation by setting of clamps or negative compen-sation by scraping.

Description

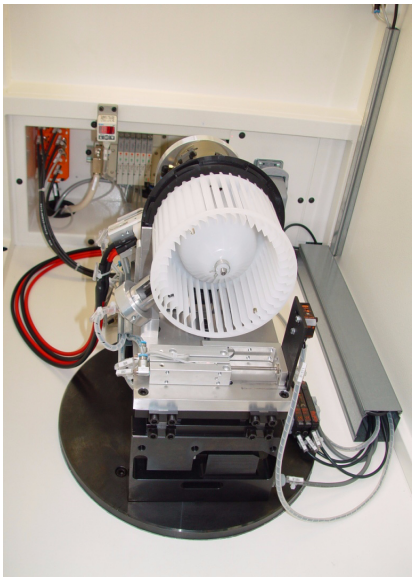
- Horizontal hard-bearing balancing machine for measuring and correcting unbalance in one or two planes with semi-automatic operation.
- The workpieces are frictionally clamped and contacted in an individual work piece adapter.
- State-of-the-art measuring computer
  - controls the drive
  - controls the sequencing
  - determines the unbalance
  - calculates the balancing parameters
  - supports the operator during unbalance compensation.
- Statistics software for evaluation of production data or connection to super-ordinated servers.

Advantages

- Easy operation.
- Compact design for minimum floor space requirement.
- Electric and electronic components integrated in machine housing.
- User menu with direct display of unbalance correction on the monitor.
- Permanent calibration.
- Highest balancing accuracy.
- Quick-change holders for easy and fast retooling.
- Balancing in one or two planes.
- For one plane balancing - static and couple unbalance display and tolerance check.
- Ergonomically matched workplace.
- Easy changeover of crossbar scanning device due to display of position.

Hofmann.
Intelligent Balancing Solutions

Capsule Protection



Tooling

Technical data

		VHK11E-AM1	VHK11E-AM2
Rotor:			
Weight, max.	kg	10	10
Diameter, max.	mm	450	450
Width, max.	mm	300	300
Machine:			
Stations		1	2
Width x depth x height	mm	700 x 1000 x 1650	1200 x 1000 x 1650
Measuring speed	rpm	600 - 3000	600 - 3000
Display sensitivity	gmm	< 0.1	< 0.1
Unbalance reduction ratio	%	> 95	> 95

Options

- Power supply controlled by measuring unit
- Integration of customer controllers
- Workpiece specific hinged guard
- Crossbar scanning
- Marker unit
- Test rotor with calibration weights
- Measurement of power consumption, speed and rotational direction
- Report printer
- Label printer

Scope of supply

- Rigid machine housing
- Protective equipment class C as per ISO 7475
- Pneumatics
- Unbalance measuring unit
- Speed measurement
- Machine control
- Measuring unit with keyboard and monitor
- Balancing software with various balancing algorithms
- Statistics software

VHK / en / © 08.11 / 372-0014

Hofmann Mess- und Auswuchttechnik GmbH & Co. KG, Werner-von-Siemens-Str. 21, D-64319 Pfungstadt, Germany, telephone:+49 (0) 6157/949-0, fax:+49 (0) 6157/949-100, email: germany@hofmann-global.com, internet: www.hofmann-global.com