

HV Vertical Balancing Machine HV



- Precise unbalance measurement also for small, light rotors
- Balancing in one or two planes possible
- No time-consuming calibration runs through permanent calibration
- Compact machine design, small space requirement and simple assembly
- PC-controlled measuring unit with guided operator interface and direct unbalance resp. correction display
- Drilling correction unit, including swarf extractor system (option)

Range of application Measurement and correction of unbalance in disc-shaped rotors without their own shaft, in one or two planes. Typical rotors are pulleys, fans, brake discs, clutches e other shaped disc rotors. A shorter spindle distance and protective shroud provide faster, safer and more accurate balancing. in manufacturing, research and quality control.

- Design**
- Force-measuring, vertical balancing machine with permanent calibration and manual operation.
 - Designed for table-top placement, suitable for a seated operator. The balancing unit, measuring unit and control cabinet are built into a single housing.
 - The spring-mounted precision balancing spindle supports a removable adapter for centering the rotors and is driven by a flange-mounted electric motor.
 - The protective enclosure designed according to DIN 45690 / ISO 7475 is standard.

Operating method

- Manual loading of the balancing unit, centering of the work-piece with an interface adapter and close the protective shroud

- Start the automatic measuring run Accelerate, measure and display the unbalance on the measuring unit, brake.

The measured value display is retained after each measuring run.

- Open the protective shroud, unload and, if necessary, correct the unbalance.
- Check the result of correction (achievement of tolerance is displayed by the measuring unit) and unload the balancing unit

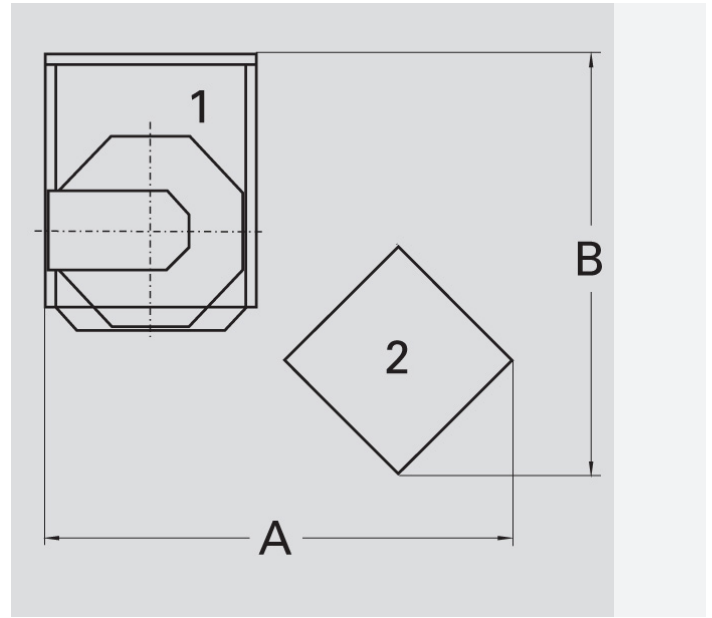
Measuring unit

- CAB 700 is a compact basic instrument for all standard balancing tasks. Simple, menu-driven operation, clear display and high accuracy allow perfect balancing of rotors by less experienced operators.
- CAB 803: Our professional measuring unit CAB 803 works with the Windows 2000 operating system. It is equipped with a high-contrast touch screen TFT display and can provide an easy to read vector display of the unbalance.

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Drilling correction unit, including swarf extractor system (option)



A photograph of a large industrial vertical balancing machine. A large, metallic, cylindrical rotor with many small protrusions is mounted on a complex mechanical frame. The machine is set in a clean, industrial environment with a white floor and grey walls.

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