

Calibration System



Application

- In soft-bearing (supercritical) unbalance measuring systems
- In horizontal and vertical balancing machines
- In 1- and 2-plane balancing machines
- For rotor specific calibration
- In semi- or fully automatic balancing machines

Benefit

- Fully automatic calibration of balancing machines before the start of production, during operation or after a defined number of balancing cycles
- Uninterrupted production operation even during calibration checks
- Minimal time expenditure
- No use of master parts and calibration weights for cyclic monitoring necessary
- The inspection and execution of the calibration can be planned in time
- Operator influence is completely avoided
- Increase of process reliability
- Continuous quality monitoring

Description

- Electrically driven calibration system, for integration into unbalance measuring stations
- Encapsulated by a robust, liquid- and dust-tight housing (IP65)
- Unbalance capacity selectable according to requirements
- Applicable for rotors in a weight range from 1 to approx. 50 kg, depending on the required balance quality
- Adaptation of the speed to the requirement in the range of 500 - 2000 rpm
- Defined integration interfaces for quick and easy integration

Certification

- The calibration systems are subjected to extensive internal functional and certification processes before use
- Determination of the specific measurement uncertainty
- Traceability through specific test number and test certificate
- Recommendation of annual re-certification of the calibration system on-site by means of a certified master part, done by a Hofmann service engineer
- Reminder service for recertification

Retrofit of existing equipment

- Replacement of existing calibration equipment
- Initial integration into balancing machines
- Scope of delivery of a retrofit kit:
 - Calibrator with mounting material
 - Control unit for control cabinet installation
 - Cable set
 - Adaptation of the measuring computer software, PLC and HMI
 - Documentation supplement

Contact

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