Hofmann.
Intelligent Balancing Solutions

## Balancing Machines for cylindrical rotors

# Balancing Machine UHK12BBM1


## Advantages

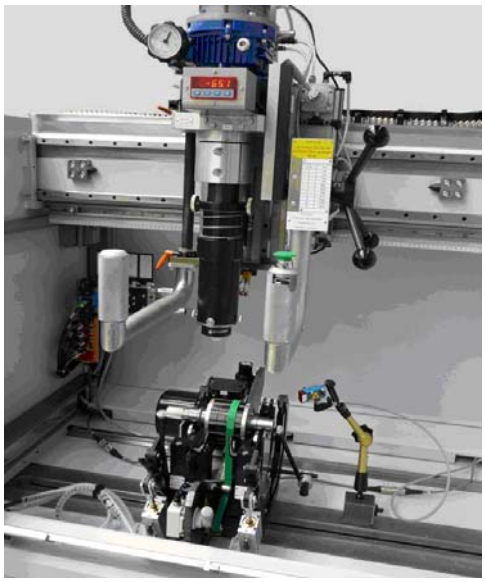
- Hofmann force-measuring principle for high-precision unbalance measuring
- High machine availableness by fast change-over
- Protractor for exact transfer of the unbalance position to the rotor
- Compact and space saving design
- Good accessibility due to two-piece sliding door

## Applications

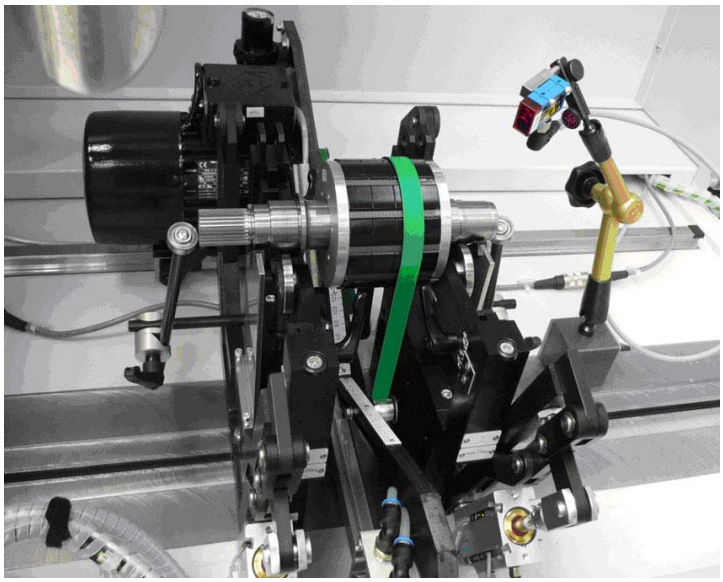
- Balancing of rotors with radial drill compensation (for example medium sized electric armatures, small to medium sized crank shafts)
- Single and small series
- Production, maintenance and development

## Description

- One station balancing machine with machine enclosure
- Measuring systems consisting of force measuring, permanently calibrated pedestals.
- Easy and quick changeover
- Measuring drive via belt drive with induction motor, horizontally adjustable on linear guides.
- Vertical drill unit for radial drill compensation, easy axial positioning with line laser and adjustable indexing positions
- Chip removal with suction unit
- All electrical components and control integrated in machine table
- Measuring device operated via 19“ Touchscreen (Windows®)
- Siemens control unit S7 / WINCC-user interface



Drill unit with suction mask



Measuring station with belt drive

## Technical Data

| | | UHK12BBM1 |
|---|---|---|
| Max. rotor weight | kg | 50 |
| Max. rotor diameter | mm | 300 |
| Bearing distance min. / max. | mm | 95 - 840 |
| Journal diameter | mm | 8-45 / 45-100 |
| Driving power | W | 400 |
| Balancing speed | 1/min | 300 - 1620 |
| Width x Depth x Height | mm | 1250 x 1000 x 1800 |
| Minimum achievable residual unbalance | gmm/kg | 0,1 |
| Max. unbalance reduction ratio | % | 95 |
| Power supply | V | 400 |

## Options

- Roller bearings
- V-bearings
- Bearing between pins
- Testrotor or ISO rotor with test weights
- Protocol printer

## Scope of supply

- 1 Machine table with sliding cover
- 1 Vertical drill unit with suction unit
- 2 Pedestals with force-measuring sensors and axial counterbea-rings
- 1 Enlacing belt drive
- 1 Speed sensor with stand
- 1 Unbalance measuring system MC 10 H
- 1 Protractor Posiquick C
- Pneumatic components
- Electrical components integrated in machine table
- Pneumatic components

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