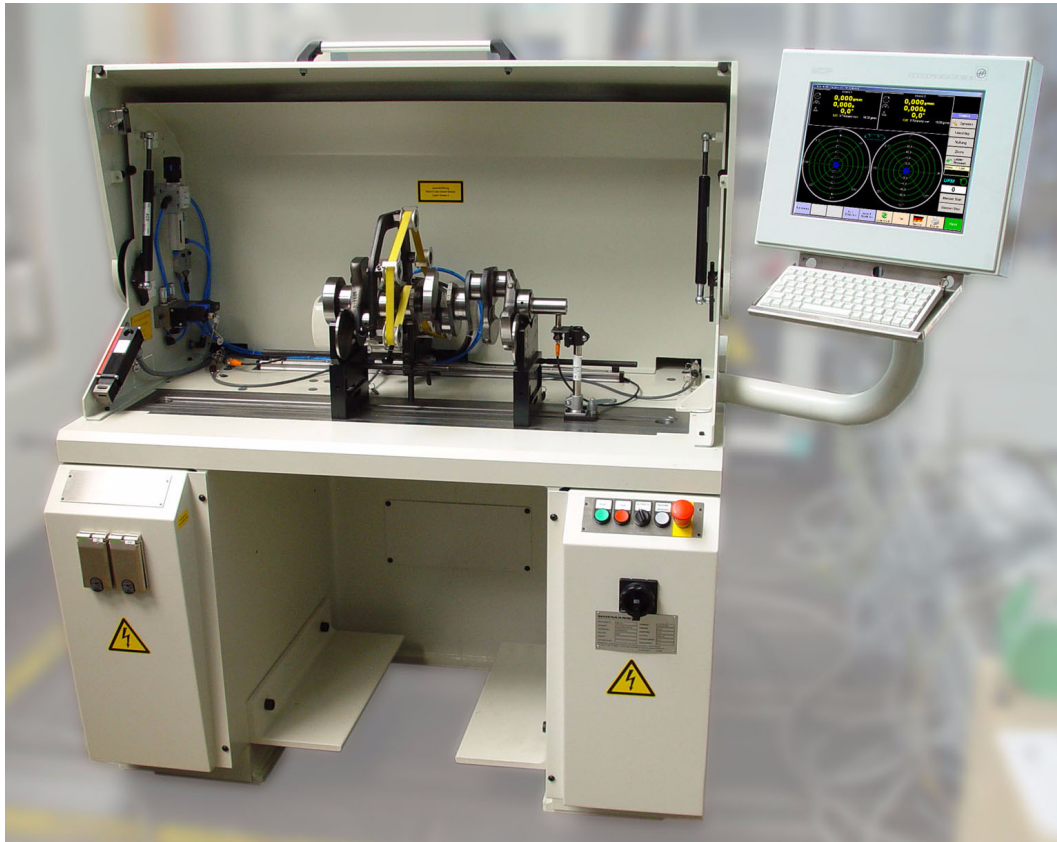


Balancing Machines for Crankshafts

Balancing Machine UHK 12.1 ZM



Advantages

- High productivity by fast change-over
- Hofmann force-measuring principle for high-precision unbalance measuring - also at low speeds - and high machine availability
- Protractor Posiquick C for exact transfer of the unbalance position to the rotor
- Compact and space saving design

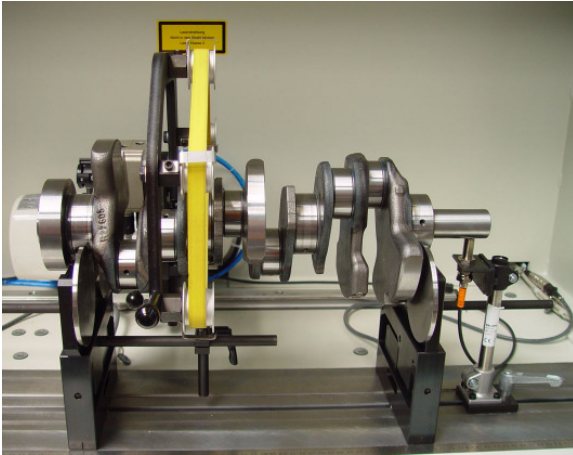
Applications

- Balancing of small and medium crankshafts in symmetric and un-symmetric design (with ring weights)
- Measuring of finished and raw parts (trimmed and centred)
- Manufacturing (single or series)
- Maintenance
- Design and Development

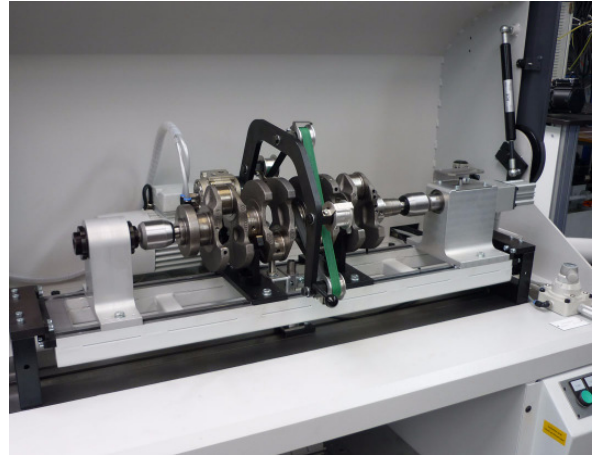
Description

- One station balancing machine with machine enclosure and one-piece hinged door
- Measuring systems consisting of force measuring, permanently calibrated pedestals. Easy adjusting with T-slots, arresting with flat wrench
- When measuring a new rotor type only the correction planes and correction radii have to be entered in the measuring system
- Measuring drive via belt drive with induction motor, horizontally adjustable on linear guides
- Control cabinet with all electrical components
- Operation via Touchscreen 19" (manual functions WIN CC and operation of measuring system (Windows®))

**All information without obligation,
subject to change without notice!**



Pedestal with belt drive



Measuring frame with belt drive

Technical Data

		UHK12.1 ZM
Max. total rotor weight (w/o measuring frame)	kg	50
Max. rotor weight (incl. measuring frame)	kg	35
Max. rotor diameter above machine bed (w/o measuring frame)	mm	300
Max. rotor diameter (incl. measuring frame)	mm	200
Bearing distance min. / max.	mm	95 - 790
Max. rotor length (incl. measuring frame)	mm	500
Journal diameter	mm	30 - 80
Driving power	W	400
Balancing speed at driving diameter Ø 50 mm	rpm	200 - 650
Minimum achievable residual unbalance	gmm/kg	0,1
Width x Depth x Height	mm	1250 x 1000 x 1500
Max. unbalance reduction ratio	%	95
Power supply	V	230

Options

- Roller bearings
- V-bearings
- Adapting frame for crankshafts for raw part measuring between peaks
- Test rotor with test weights
- Protocol printer

Scope of supply

- 1 Machine table
- 2 Pedestals with force-measuring sensors
- 1 Belt drive
- 2 Axial counter bearings
- 1 Speed sensor with stand
- 1 Unbalance measuring system MC 10 H
- 1 Protractor Posiquick C