

Balancing Machine for Crankshafts

KHK21-ZM



Advantages

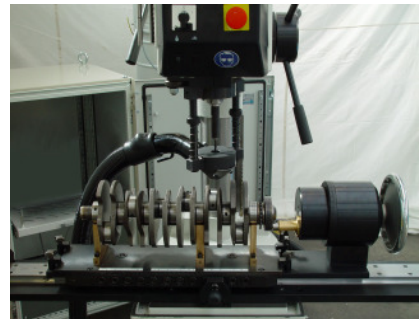
- Easy and quick changeover
- Maintenance free and wearless vibration sensors
- Suited for symmetrical and unsymmetrical crankshafts
- Integrated statistics software
- Automatic machine capability study

Applications

- Determination of the compensation values for the center boring of raw parts. For trimmed and centred passenger car crankshafts with 3 - 12 cylinders.
- Manual loading.

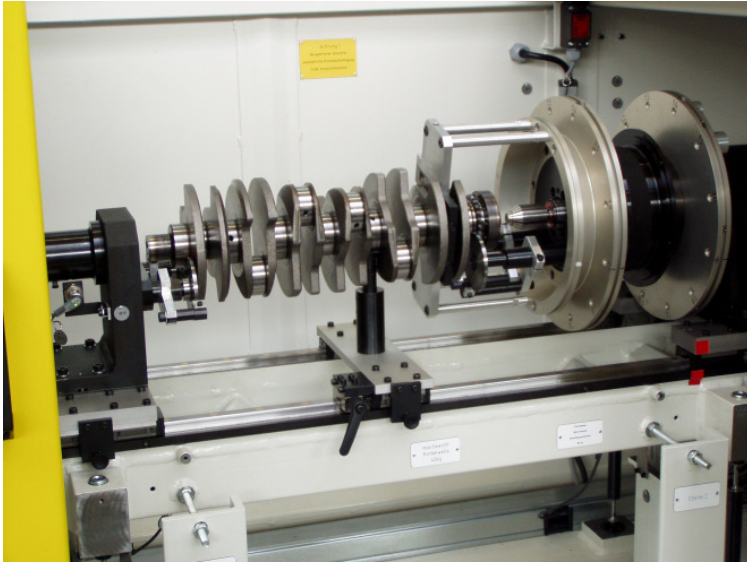
Description

- One station balancing machine with machine enclosure and one- or two-part front door.
- Measuring system with NC drive and maintenance free sensors. Measuring frame lockable. Bearing shells adjustable in-line, pre-deposition easy changeable
- Selectable support
 - between pneumatically operated centres
 - on ground carbide rollers
- Drive via pin drive or hook drive. Weights can be mounted on discs for compensation of unsymmetrical shafts.
- Control cabinet via touch screen 19" (manual functions WIN CC and measuring electronic operation).



Option: Drill unit with chip suction

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



Measuring station with hook drive

Technical data

KHK21-ZM

Rotor:

Weight	kg	6 - 50
Total length	mm	300 - 800
Main bearing diameter	mm	30 - 80
Counterweight radius	mm	160

Machine:

Measuring planes	2
Measuring system	distance measuring with maintenance free sensors
Measuring drive	hook or pin drive

Machine data:

Width x depth x height	mm	3200 x 2400 x 2000
Balancing speed	min ⁻¹	200 - 650
Repeatability ¹⁾	gcm	1

¹⁾ depending on workpiece

Options

- Master parts with calibration weights
- Protocoll with compensation values for centring machine
- Data transfer with interface to centring machine
- Changeover kit for fully machined crankshafts
- Drill station for manual correction of finished shafts

Scope of supply

- Measuring station with pin or hook drive (NC drive)
- Machine enclosure with one or two-part front door
- Welded machine base
- Measuring system MC10
- Control cabinet
- Mounting elements
- Pneumatic components