

Total overhaul of Kellenberger cylindrical grinding machines

The following protocol for a conventional cylindrical grinding machine serves as a reference for our work

- Complete disassembly of the machine
- Sandblasting of all painted parts
- Manual scraping of the guideways according to the original scraper gauge
- Reworking of all rotating and supporting surfaces
- Replacement of all wearing parts of the machine
- Workpiece spindle and workpiece spindle bearing
- Tailstock sleeve and bearing
- Grinding spindle
- Infeed spindle and spindle nut of the grinding slide
- Lubrication system
- Water pipes
- Electrical installation in the machine
- All bearings and seals
- Rebuilding of the hydraulic system
- New painting according to customer's specifications
- Assembly of the machine
- Adjustment of various machine parameters
- Adjustment of backlash and accuracy
- Hydro-dynamic grinding spindle bearings
- Adjustment of of center height for external and internal grinding
- Grinding of the upper and lower table
- Acceptance grinding
- Geometry acceptance according to Kellenberger test certificate

Quality

The machine meets all accuracy requirements of a new machine and is again in perfect condition.

Warranty

1 year warranty on all executed works and all parts.

Duration of an overhaul

approx. 12 weeks in our factory in Romanshorn

