



Range of General Overhaul

The procedure of a general overhaul / extensive modernization of a lathe machine includes the following steps, that are carried out in our workshop by our experienced technicians:

- Complete dismantling of the machine
- Inspection and verification of the individual components with regard to their wear and tear
- High pressure washing of the entire machine body and components
- Regeneration of all gears through appropriate geometry grinding or exchanging to new gears
- New all bearings and seals, new feed shaft, new cross spindle and compound spindle
- Extensive regeneration or replacement of all motors and drive elements
- Complete grinding of the bed guides over the whole length and grinding of the work surfaces
- Grinding and extensive reconditioning of the whole support/slide
- Grinding and extensive reconditioning of the 4-way tool post
- Replacement and modernization of the complete electrical installation including the control system and rebuilding it to a modern, technically up-to-date and EU-compliant system
- Regeneration or replacement of the drive screws of the feeds including nuts
- Elaborate regeneration of the control panel, gear knobs, etc. including chrome plating
- New set of coolant system with pump
- Pre-painting of the machine body including all elements
- Assembly of all components
- Restoring the X/Y/Z axis geometry according to ISO 1708 and to manufacturer specifications by manual scraping/grinding and achieving the appropriate factory accuracy and tolerance values
- Replacement of all wedges including final grinding
- New cable conveyor, new LED light system,
- Final assembly of the machine
- Final painting of the machine
- Attaching new signs and information boards in customer language (German, English, etc.)
- Filling up the oil tank and all necessary liquids (cooling etc.)
- Technical acceptance report in the presence of the customer including a written 12-month guarantee for material and parts
- Providing operations and maintenance manuals and circuit diagram in English or German