



# Your Specialist for Machine Tools



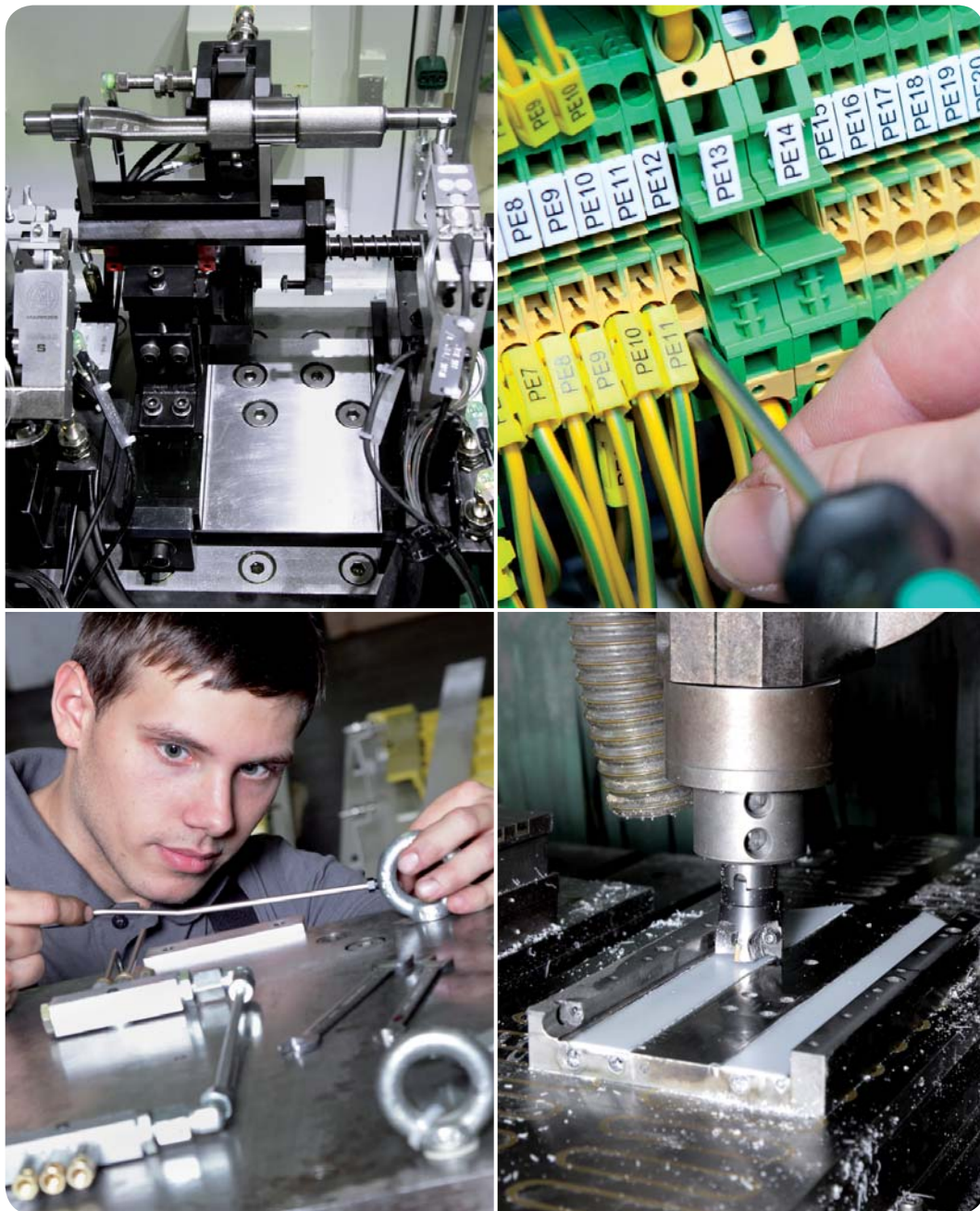
**GST – GRINDING MADE FOR YOU**

*Certified according to*

**ISO 9001**

## Professional Repair of Machine Tools

For more than 20 years **GST** has been dedicated to the overhaul and repair of machines and equipment. The profound know-how of our highly qualified staff in the areas of mechanical and electrical engineering as well as programming is the guarantee of professionally executed work. In the case of need our experts will rapidly be on the spot to provide emergency assistance, to determine the extent of the required work and to carry out the necessary repairs.



## Repair of Individual Machine Components

In the case of worn slideways, damaged bearings, the wear of various components, inadequate machine geometry and other problems that might affect the production process, our fast and efficient repair service will help you to restore the smooth functioning of your machine.

### Spindle and Gear Repairs

- Replacement of various bearing units
- Coating, scraping and adjustment of plain bearings
- All spindles will undergo a run-in cycle on a special spindle test bench

### Repair of Machine Slideways

- Regrinding, scraping and adjustment of worn slideways
- Replacement of various guiding units
- Use of various linings best suited to the respective requirements

### Electrical Components

- Replacement of defective cables, switches etc.
- Renewal of cable ducts
- Checking and replacement of electrical components such as motors, limit switches, switchgear, signalling and command devices, PLC/CNC drive components



# Overhaul – Modernization – Retrofit of Machine Tools

## General Overhaul

The many years of their operation leave their marks on machines. We therefore recommend that you entrust us with the general overhaul of your machine in order to increase its performance and reliability.

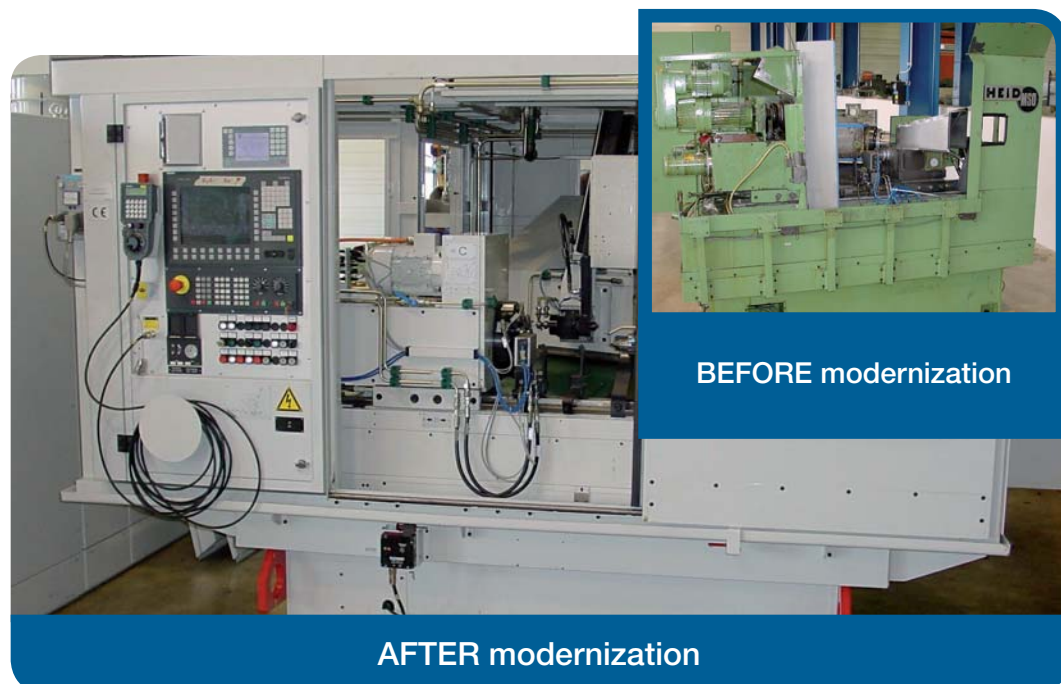
- Changes in the machine geometry will cause longer set-up times
- Worn components will affect the machining quality
- Broken cables and wires lead to unscheduled downtimes

## Modernization/Retrofit of Machine Tools

There are many good reasons for their modernization:

- Safety risks due to components not meeting the necessary standards
- Downtime costs due to problems with the procurement of spare parts
- The wish to enhance the functionality of your machine

In the course of a modernisation project **GST** develops new and optimised components, introduces new drive and measuring technologies and renews the complete electrical and control system. It is also possible to upgrade a mechanically driven machine to NC operation. The use of advance technologies ensures that the upgraded machines comply with CE requirements and the applicable safety regulations.



# Overhaul – Modernization – Retrofit Reference Projects

## Grinding Machines

- Schaudt ▪ Fortuna ▪ MSO ▪ HEID ▪ Landis
- Karstens ▪ Reinecker ▪ Cincinnati
- Mori-Seiki ▪ Assy ▪ NOVA ▪ Naxos ▪ Okamoto
- Bryant ▪ Buderus ▪ Göckel ▪ Estarta
- Prorectif ▪ Danobat ▪ Microsa ▪ Herkules
- FAG ▪ Kellenberger ▪ GST/Promot
- Heinrich Schmid ▪ Blanchard ▪ Nova
- BWF ▪ EHM ▪ ELB/GST ▪ Weisser ▪ Kehren
- SMW ▪ TOS ▪ Kö-Bau ▪ Voumard ▪ Lidköping
- Hartex ▪ Meuselwitz ▪ Junker ▪ Wotan
- Tacchella ▪ Giustina ▪ Reishauer ▪ ABA
- Diskus



## Lathes

- Georg Fischer ▪ Demoor ▪ Dörries ▪ Weisser
- Emco ▪ Magdeburg ▪ Voest ▪ HEID ▪ Skoda
- Heiligenstädt ▪ Atlas ▪ Weipert ▪ Tos ▪ Cordini
- Binns Berry ▪ Diedesheim ▪ Böhringer ▪ Okuma
- Frontor ▪ Voest ▪ Emag ▪ Niles ▪ Pontiggia
- Colmec ▪ Okuma ▪ Hardinge ▪ Potisje



## Milling Machines – Machining Centres

- WMW-Union ▪ TOS ▪ WOTAN ▪ Präwema
- Krause ▪ Thielenhaus ▪ Hüller Hille ▪ Pfauter
- Lorenz ▪ Sixis ▪ Mazak ▪ Niigata ▪ Grob ▪ Safop
- Strojtos ▪ Kehren ▪ Hohnsberg ▪ Mikron
- Mori-Seiki ▪ Zayer ▪ Heckert ▪ Sacem
- Ex-Cell-O ▪ Heller ▪ Werag ▪ MAHO
- Burkardt & Weber ▪ Witzig&Frank ▪ Hagen



## Others

- Straightening presses ▪ Measuring machines
- Segment punch presses
- Tube bending machines ▪ Transfer machines



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