

## Umbauten, Erneuerungen, Retrofit

Photo report WU 160

### Scraping by WIAP the headstock

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Gross lathe faceplate Heyligenstaedt.  
headstock

#### Problem:

The machine had a geometric error. The customer has asked us to correct this.



Figure 2: Removing the heavy Heyligenstaedt headstock. It took particularly great tool for the release of the headstock.



Figure 1: preparations for dismantling after the measuring of the machine.



Figure 3: The headstock was raised with chains.



Figure 4: Under the headstock of the state had to be added.



Figure 5: It's to hang the headstock just as with ropes better with the chains. A manufacturer usually makes a Hängejoch, which leaves much just hang the headstock. However, this is difficult in sporadic repairs.



Figure 6: Now the problem with the shaving machine has been corrected. Usually about 0,002 to 0,005 mm per Schabdurchgang, depending on the pressure away. That is, when an error in the 0.1 mm range is, but it must be scraped some.



Figure 7: The whole Schabprozess was divided something because it had to scrape very large surfaces.



Figure 8: The shaving machine can be scraped about 5 times faster than with the simple hand scraper. A lot of experience exists, it is faster to 20 x.



Figure 9: The basic training for scraping the WIAP people have acquired at the company Georg Fischer. At that time, had to continuously scrape be learned 3 months. This knowledge has been incorporated in the WIAP AG into the teaching program.



10: So a heavy headstock for each measurement rebuild is laborious, that is, it pays to know exactly how much hundredth be where entfernt, by scraping. Thanks to the great experience through several reconstructions and intensive training with a lathe manufacturers all employees were able to learn a lot and can continue to use their experience to carry out a good job today.

The WIAP AG continues to expand its machine tools and has a subcontractor base. Whether for new machines or conversions; there are usually used everywhere the same internal components. Thus, the spare parts warranty is secured.

When WIAP AG are not only the old who can do that. For years, the WIAP this training, intensified for the cockroaches. There are always two shaving machines at hand.

The cost of a retrofit (conversion with revision) to a new machine is about 40 to 60% of a new machine, because the basic meat is available. Only an exchange of CNC without drives what is possible today, with analog drives, can not be held rare even among 10 to 20% of the machines new purchase value. Even then one has the N built latest CNC control on the machine so that the operator does not feel he has an old machine. Thanks to the WIAP alarm system design prevents incorrect operations and not know how to do something, supported by reports that a very simple operation to all employees who work on a retrofitted by the WIAP machine joy have to work with the machine.

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all from one source.**

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