



## Umbauten, Erneuerungen, Retrofit

### Photo report WU110 Bank 14 and 15 Roll lathe MFD revised by the WIAP AG

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Use: Year

Task: The conventional copying roll lathe is to get control of a new CNC. With total revision. The surgeons had to copy itself usual, so very simple parameterized designed by WIAP and created CNC programs. Only a few entries with R parameters could all be typed. New ball screws 80's in the Z axis. reground bed, new eingeschabt sled. New, automatic lubrication system. The 4 claws box were also revised.



Figure 1: The roll lathe MFD was approximately 40 tons. The old feed gear portion was separated.



Figure 2: In Russia, if not boring machine was available, and elements were separated. It is something that still had to learn a machinist.



Figure 3: Many holes drilled right next to each other that all just one stroke could be separated at the end. In the cast iron is very good.



Figure 4: Although this work was for 1 day, it was once again boosted this work.



Figure 6: The roll lathe MFD was heavy. Here, the feed gear box which was attached to the longitudinal slide could be separated. Which was no longer needed.



Figure 5: Soon it was the drilling work which goes with a good magnetic drill, done.



Figure 7: The bed track guide, insert tapes were replaced. The longitudinal slide made new with cable tow. redesigned the entire feed system and renewed.



Figure 8: The entire electrical part has been completely renewed. exchanged all, not like the old supplied with 220 volt switch to 24 volts DC. New emergency system, new spindle drive and feed system.



Figure 9: The CNC Sinumerik 810T was made easy to use for operators. Almost no switches were needed to be able to work with the machine.



Figure 10: The machine in the final assembly at the factory WIAP.



Figure 11: The machine during the rolling test turning. The Z ball screw with 80x10. Covered thanks to the WIAP ball screw capping system.

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, you have the 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, backed with messages. This results in a very simple operation for all employees who

work on a retrofitted by the WIAP machine. Thus its pleasure to work with the machine.

***Manufacturers and sales, design electrically and mechanically everything from one source***



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