



WIAP[®]

MEMV[®]



International staff training in machine construction

Introduction: The WIAP has a new machine tool maintenance system program developed that allows a Control System that can run loose and without stress. Let them show it. the WIAP MEMV Maintenance Program.

Image report A32: Machine maintenance Angola

Picture report 12.12.2011 Hans-Peter Widmer



Figure 1: Carlos left, center Yoba, behind Toni, the water jet machine operator. It searches a mistake. From time to time, the machine and goes to vacuum.



Figure 2: This machine can ca 0.1 mm accuracy, cut parts. Only water is used for plastics, rubber. Add to this mix abrasive, ie something like sand and water, stainless steel can be cut as with a knife.



Figure 3: When they wanted to cut 10 such flanges, the holes were round.



Figure 4: Within minutes are sol cut any contours. Deburring is not necessary, the edges are rounded.



Figure 5: Now we have made the service because too much sand on the roller guide and the racks was driving, causing restless movements.



Figure 6: According to the provisions in the camp, the scaffolders must stand a scaffold because over 1.8 meters allowed to work from the ground only with scaffolding. If a scaffolders comes and the Machine is urgently needed, selects alternatives.



Figure 7: A day we need at such a machine for good cleaning and inspection.



Bild10: This new drill grinding is a long time in the tool room. When we once wanted to make a test last, nor the drill shots were missing, but it has now been found. We now make test loops.



Figure 8: Here we see how the racks and guides look. Also, rust and sand cause irregular operation.



Figure 9: The fact that the sand and the water is unusual so injected around. Because from and work to less experienced people on the machine, can such a thing happen often.



Figure 11: The drill bit is clamped in a chuck, then one can grind with 2 angle. identical first to 10 degrees both sides so that the center is true, then at 30 degrees.



12: We have taken very bad drills to test soche were canceled



Figure 13: Here clamp the various grippers to drill. This machine can be used up to 20 mm and for cylindrical drill shafts.



Figure 14. Here, the drill is clamped, so that it is horizontal on the line next to the optic at an angle and the 180 degree lock is locked. So both sides with 10 degrees can be geschlossen evenly.



Figure 15. The machine has two grinding wheels



Figure 16: Carlo exercises and grinds until the drill "ok" is. We tested whether he drilled well and if the diameter is correct, it is good. Now people are trained by the "Machining". If they do not have enough work, then man is there, the drill can regrinding.



Figure 17: There was a message that no longer goes to the Hermann milling the feed. The feed gear box had to be opened.



Figure 18: Yoba and Antonio get down to work.



Figure 19: As the designers had to study even more than today, if you like watching a gearbox. Much shafts and gears and slide mechanism.



Figure 20: 3 hours later, the people of the "Machining" department can work on again.

water below a relatively long standstill bacteria.



Figure 2: Here the Gornati WIAP DM4C lathe. She has a few years on the back.



Figure 21: water tank cleaning.



Figure 24: Early in the morning to the evening. 7 days a week this machine works.



Figure 22: The emulsion stinks always lousy. Because the oil film of lubrication always up floating covered the water and makes the



Figure 25: This is the brother of Gornati lathe Gurutspe. Only the headstock is from the old conventional machine. The bed and the carriage with revolver and CNC control is

something new (15 year). The CNC with the spindle and feed motors is new since of 2006.



Figure 26: This Gurutspe WIAP DM4 C has the same machine bed and compound slide as the Gornati, but just the headstock of a Spanish machine



Figure 28: This is the Futji Seiki ex conventional lathe. It was rebuilt in 2007 to 2010 in Switzerland. There was no hurry, because the plan was umzuverlagern fabrication and then to place the machine directly to the new location. The move has, however, delayed until today.



Figure 27: A former assistant now works on the CNC machine 100% independent. A strong team Algoa today. If even one is sick does not bother the fabrication today. Especially because all CNC controllers are identical, the staff can be changed.



Figure 29: This old Union has built in 1950. This machine is taken once a year were examined in detail, so that spare parts can be ordered. If necessary, redesign to newer parts.



Figure 30: Cut For large thread belongs here at the Algoa everyday life. The people make it very conscientiously. As there use force.



Figure 31: Every time the strong men turn the wrench is guided from above the tap. In order to reschedule the wrench, the hydraulic clamping of the machine must be released and re follow up. Obviously these people who work here, decades of experience; this will be noticed immediately. Actually watching a pleasure. It is also apparent that much knowledge come from Swiss apprenticeships and other countries. What these people know today is only to be admired.



Figure 32: Here in the vehicle maintenance area Here generators and vehicles are repaired.

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Title: Preventive machine tool maintenance,
top people trained by WIAP

description: A good machine tool
maintenance is often underestimated. It
answers the safety and reliability of a
machine tool. The WIAP trains the and also
leads inspection programs for the internal
maintenance of plants. New system with the
mail controlling WIAP MEMV system

keyword:

Machine Tool answers the Security Also new
to the mail controlling WIAP MEMV system



Figure 33: Here passes "Blicki" the foreman (a South African in the "Machining") Hans-Peter Widmer a gift that came from Chevron.



Figure 34: Since we have even brought seeds from Vietnam by the brutally sharp green things.

Now the woman Tete has been the result in a pride. Yes that is also growing in Angola. So you can already have to think what might come in handy in Angola, because it will be very, improvise advantage very much and the climate would permit it to make a similar amount as in Vietnam.

We will try to bring other seeds

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