



WIAP[®]

MEMV[®]



International staff training in machine construction

Subject / Reference: Education Angola

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Argument: Teach Algoa November 2009

Introduction: The WIAP has trained from 2006 people in Angola, which were new and some already decades in operation. These people were good in practice, but it lacked you the basis of the theory. With a special training program which was designed to train the production during the WIAP has trained people during an ongoing production. Again and again have been trained with a half-day program during working hours. A special training program designed to let you to see the status of each individual skilled worker with a special control system. In the end, there was a final exam with certificates. Simultaneously, during the training process is 4 teachers were trained, which could further train these training independently later.

The WIAP has carried out this training project from 2006-2016



Photo 1: Here we train people during production.

Constantly come go New, Other. Special educational materials allow the new education system that was designed for a current production where no standstill is desired.



Photo 2: The two maintenance and training specialists, Joba and Carlo are working as teachers in addition to the maintenance. They were 2 x 1 month in Switzerland and have training since 2006



Photo 3: A few times a day, the professionals are changed, suddenly come new, in part, those that that were never there.



Photo 4: The formation documents, we formed itself, so that a multiple personnel changes is possible.



Photo 5: They are all single sheets, so that everyone knows who has learned something. A control sheet enables all the same reach level and thus diplomas can be issued.



Photo 6. As with the Vietnam teachers we trained with the Nm have some problems. Carlo now shows what a Nm. It is much better with a practical example to explain is talk of something.



Photo 7: Now a motor needs 175 kg of one meter can rotate how much Nm? Then we move it to 700 mm then how much? That provide an N only 99.8566 grams, is just a slightly different figure of 100 grams! But just 100 grams is indeed!



Photo 8: Yes suddenly comes a whole pack of monkeys! But they are so sensitively when a camera is pointed at them, who feel that and's leave!



Photo9-. Thanks to the single sheets when suddenly a new come back, the skilled worker can which previously already learned to take to form the new. Interesting how these people in a euphoria know hungry to show the new, how to do it.



Photo 10. Yes, our blades are made so that no more need for tests which had to do it over again, within 2 days,



Photo 11: Now we want to make our papers even better is that even professionals are trained in running production

Teach Program. WIAP H. P Widmer

Maintenance Yoba, Carlo Lupinio

1. Maintenance tools.
Maintenance
2. Electric scheme lessen,
El. read scheme
3. Measuring with electric meter
El. Measure in and out I Cabinet
4. Electrical instillation relays, transformers, power supplies, etc.
El Installation, relay, transformer, power supply and others
5. PLC program lessen, switch inputs and outputs
PLC Read, Change Inputs Outputs
6. Backups CNC everything
Backups CNC,
7. Reading program on and off, program organization
Read in and out CNC Program, Program organization
8. Modify it electric scheme Aender manuals, Draw with computer
Change El Drawing, Renew Manuel and with car sketch
9. AC feed and spindle drives, Electrical and Mechanical
Change Feeddrive El. and mech.
10. Change Spindle drive El. and mech.
11. Make maintenance with geometry protocol Visual Control Protocol

12. Geometries Protocol A, E Services Protocol, Visual Control Protocol V
13. Assembly, disassembly, slide, headstock tailstock spindle bearings, ball screws, etc.
Assembly, disassembly, slides, headstock Spindle Spindelboering, Ball Screw
14. turning learning
Turning,
15. milling learning
Milling
16. learn welding

17. learn cockroaches
scraping
18. learning loops
Grinding
19. Learn computing, computing feed from, spindle speed. NM torque,
Specific gravity, workpiece weight. etc
After Porgramm WI&F

Teach theory Calculate feed, spindle speed, Nm Torq, and may others
Al the Program Wi_8_f_0 up to Wi_8_f_8_70

Additional :

1. Turning peaks height
Turning important Center High
2. Turning plates geometry information
Turning insert information
3. Thread information. Metric and inch
4. thread information
5. Information panels with angle us.w.
Insert information, Angle; Sice

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