

STOTZ®

FEINMESSTECHNIK

MSM Quick Guide

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Service

All components and products described in this manual are subject to our quality control. The technical design ensures a long and reliable service life. For questions or inquiries, please contact your distributor or send inquiries directly by email to: info@stotz.com

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1. Introduction

1.1. Welcome

We thank you for your confidence in our SPC software and hardware products and look forward to welcoming you as our new customer. We have put our focus on high functionality, ease of use, safety, and reliability in the choice of components. Through balanced hardware and software design, we can present you with an advanced measurement technology.

1.2. The use of the manual

For security reasons, you should familiarize yourself with the contents of this manual prior to the creation of programs for the column.

1.3. Symbolism

In the text, symbols are used to simplify the readability or to point out all the important operating and safety conditions.

Symbol:

Importance:



Note



Warning!



STOP (**Hazard**)! The device must not be used!



Caution, electrostatically sensitive devices

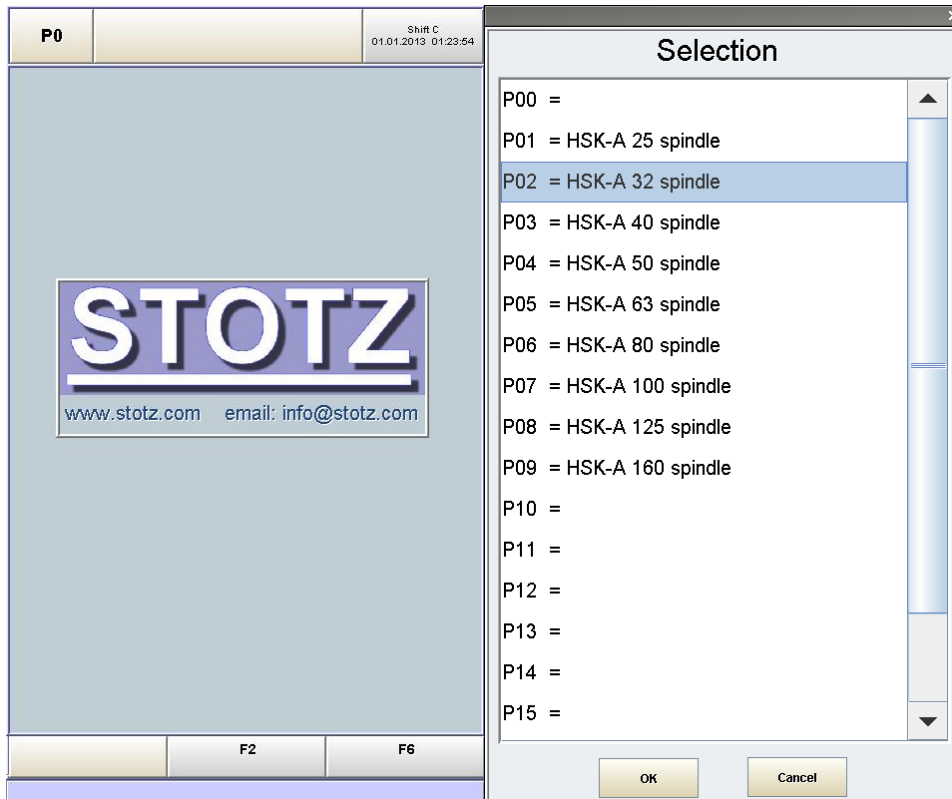
1.4. Previous knowledge

The successful use of this manual requires a basic knowledge in the following:

General Purpose Test Equipment

2. MSM Software

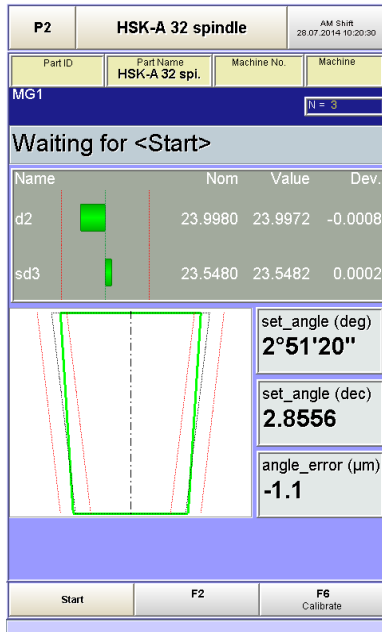
After booting, the instrument automatically starts up in the MSM Program Number 0. To change the program, press the program index button in the upper left corner of the screen. This will bring up a selection of the available programs.



Now you can select the desired program by clicking and upload by confirming with OK. In the attached example the programs are as follows:

- Program 1 : HSK-A 25 spindle
- Program 2 : HSK-A 32 spindle
- Program 3 : HSK-A 40 spindle
- Program 4 : HSK-A 50 spindle
- Program 5 : HSK-A 63 spindle
- Program 6 : HSK-A 80 spindle
- Program 7 : HSK-A 100 spindle
- Program 8 : HSK-A 125 spindle
- Program 9 : HSK-A 160 spindle

2.1. Measure



After loading the program, the display is shown



In the program start out by pressing the button "Start" and the MSM shows "Measuring progress ...". By pressing the "Stop" button, the measurement is completed. After removal of the measured workpiece a new one can be supplied and a new cycle starts again

A red bar shows the feature is out of tolerance and a green bar shows the feature is in tolerance.

2.2. Calibration

To start the calibration, press the F6 key on the touch panel, the K key on the keyboard or external workers contact the PLC signal "Select Calibration". The display changes to the calibration:

Example: In Program 1, please set the MIN setting master on the mandrel and pressing the START button on the screen or the external keyboard

P2	HSK-A 32 spindle	AM Shift 28.07.2014 10:21:04	P2	HSK-A 32 spindle	AM Shift 28.07.2014 10:21:30
Calibrate			Calibrate		
MIN MIN			MIN MIN		
Waiting for <Start>			Measuring is running ...		
XXX			XXX		
Feature	Istwert	DIFF	RDIFF	CAL1	
sd3	23.5426	0.0000	0.0000	23.5426	
d2	23.9919	0.0000	0.0000	23.9919	
Start	F2	F6	Stop	F2	F6

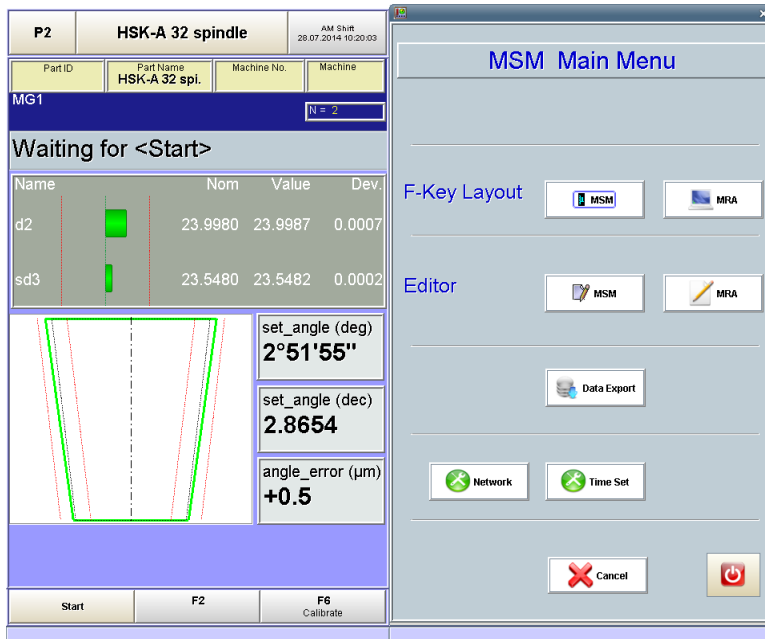
Please press the STOP button after a few seconds and values are stable. The display switches to the next calibration step.

Please now remove the MIN setting master and replace it with the MAX setting master and press the START button. The MAX-calibration is started.

P2	HSK-A 32 spindle	AM Shift 28.07.2014 10:22:11	P2	HSK-A 32 spindle	AM Shift 28.07.2014 10:22:28
Calibrate			Calibrate		
MAX MAX			MAX MAX		
Waiting for <Start>			Measuring is running ...		
XXX			XXX		
Feature	Istwert	DIFF	RDIFF	CAL2	
sd3	23.5528	0.0000	0.0000	23.5528	
d2	24.0021	0.0000	0.0000	24.0021	
Start	F2	F6	Stop	F2	F6

Please wait for measurement to stabilize and then press the STOP button. The display switches to the measured group.

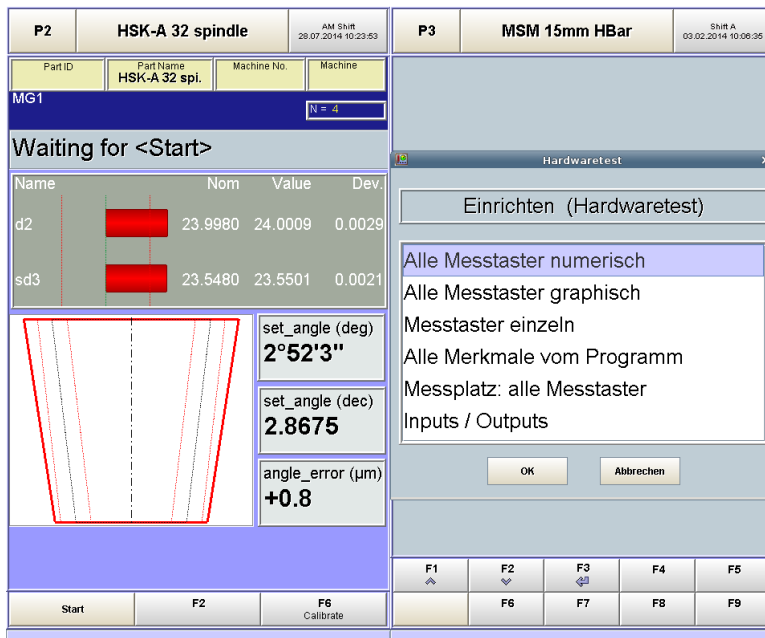
3. MSM MENU



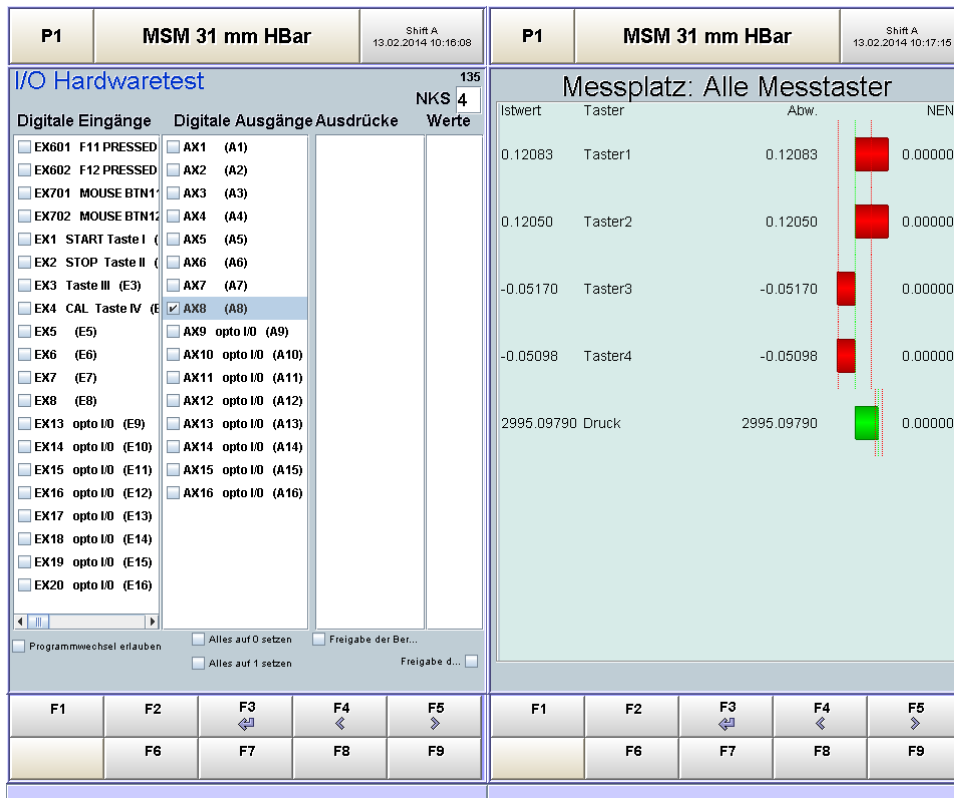
If you touch the field with the program name (top center) then the MSM menu is loaded. Use the Cancel button to leave the menu..

3.1. Hardware Test

If you select the F-key layout MRA they may receive a second series F-keys:

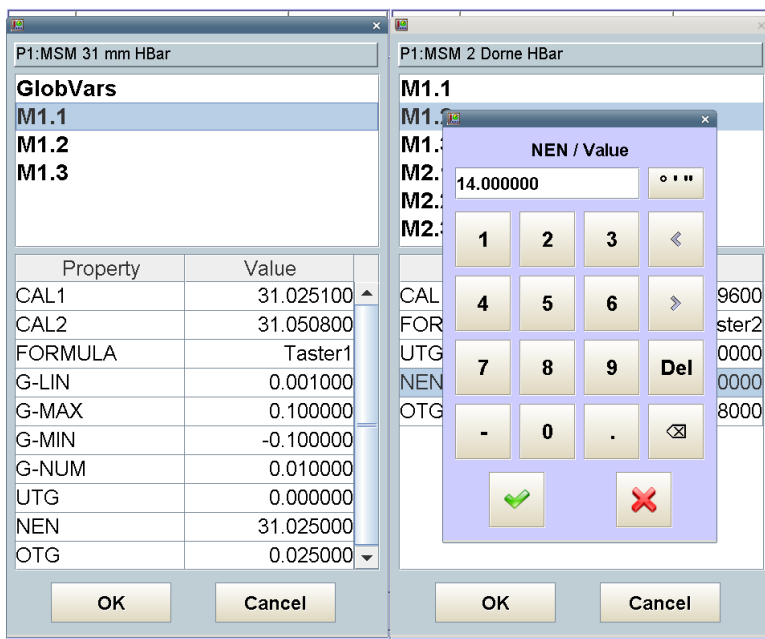


If you press the F8 key the hardware test is loaded. There you can check the measurement channels, and digital inputs, and outputs. You can choose INPUTS / OUTPUTS output AX8 by clicking Enable (measuring air) and then all the measuring probe pressure check (3000 mbar).



3.2. MSM Editor

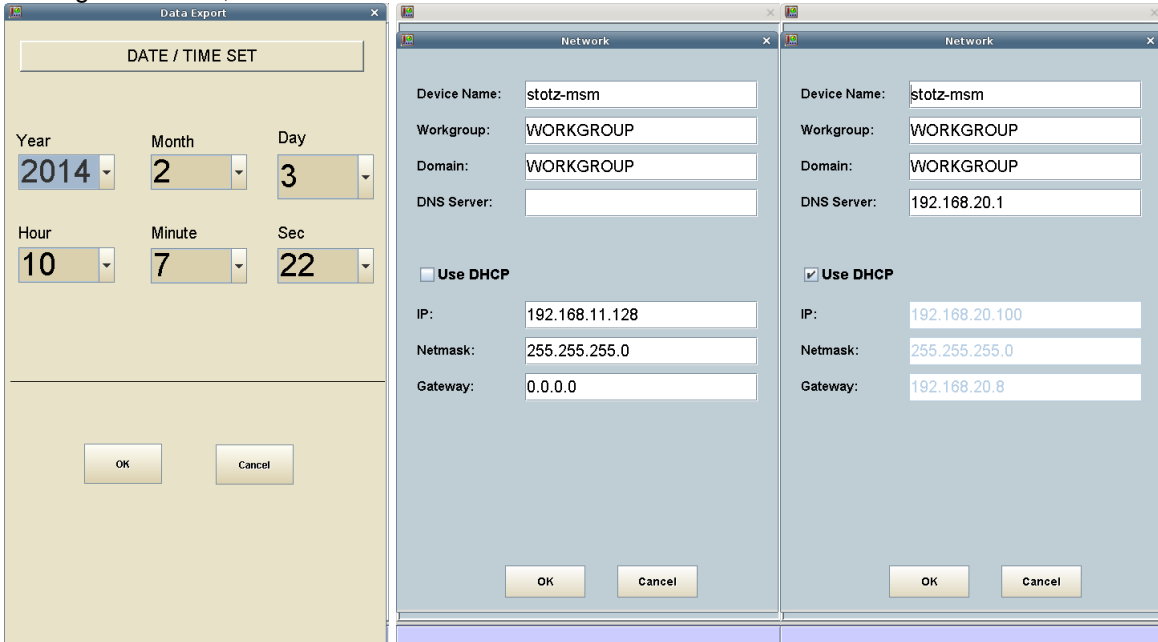
If they select the item MSM Menu Editor to customize the feature data of the current measurement program.



To select the values to change, you have to double-click the value. An on-screen keyboard then appears so the values can be adjusted. When done click on the green check mark.

3.3. Time Set

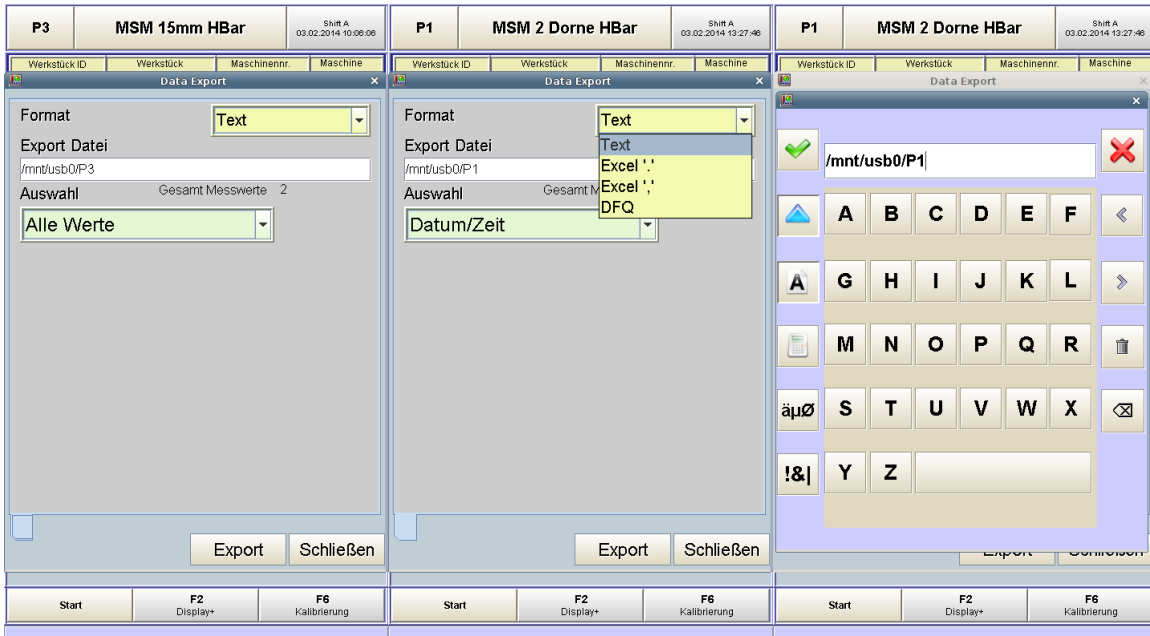
Through the menu, Time and Date and be set:

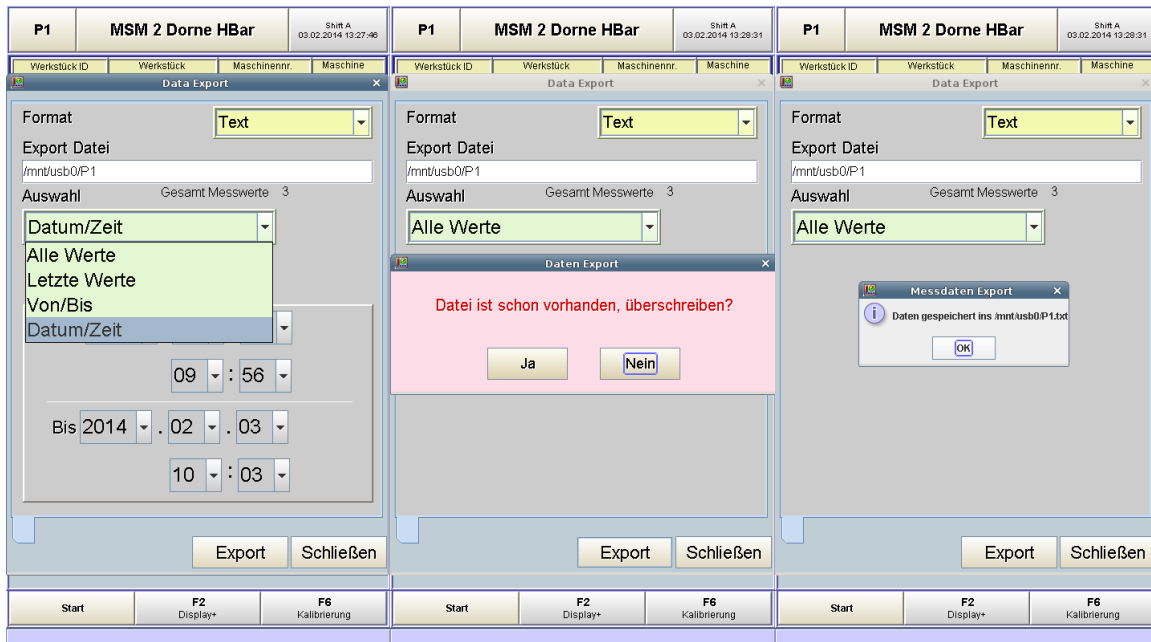


Under the menu, Network settings of the ethernet are displayed and can be adjusted.

3.4. Data Export

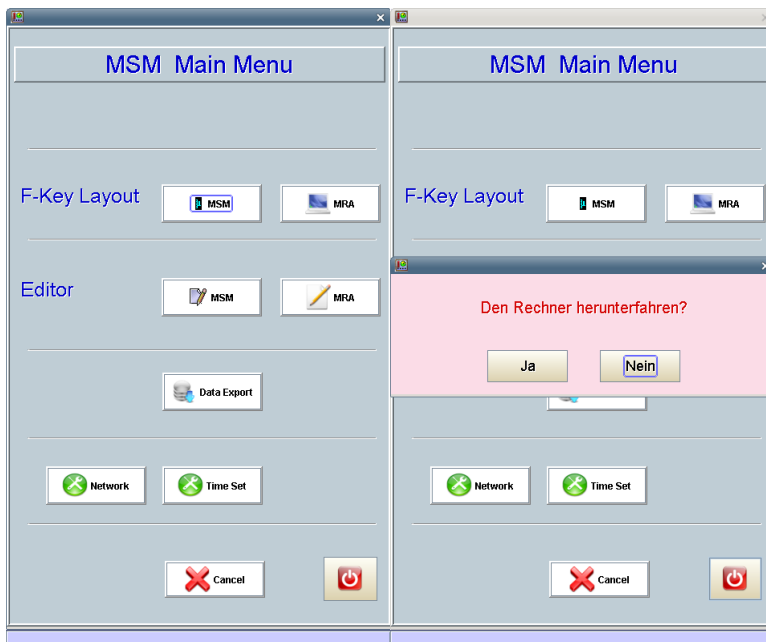
Under the menu, Data Export can export the data of your choosing to as USB stick.





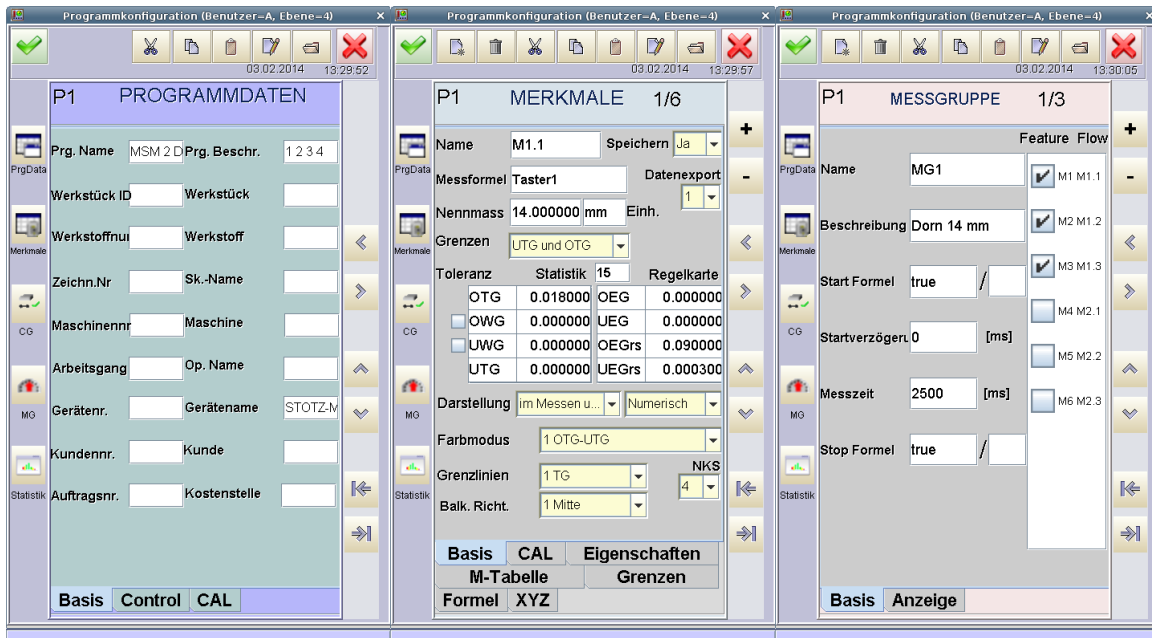
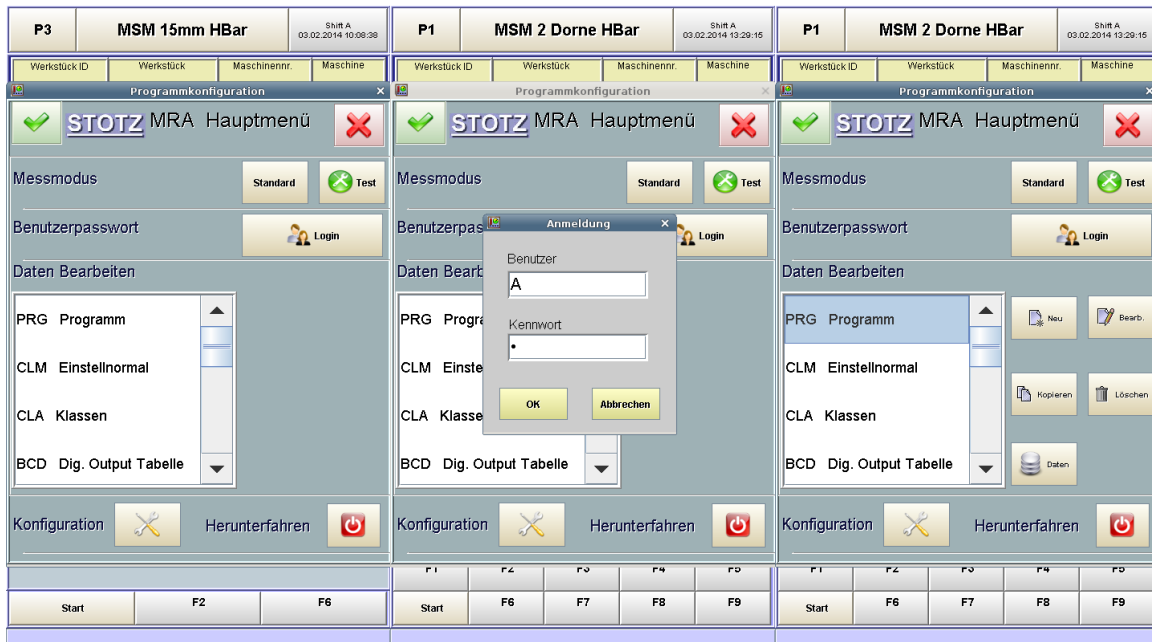
3.5. MSM Shutdown

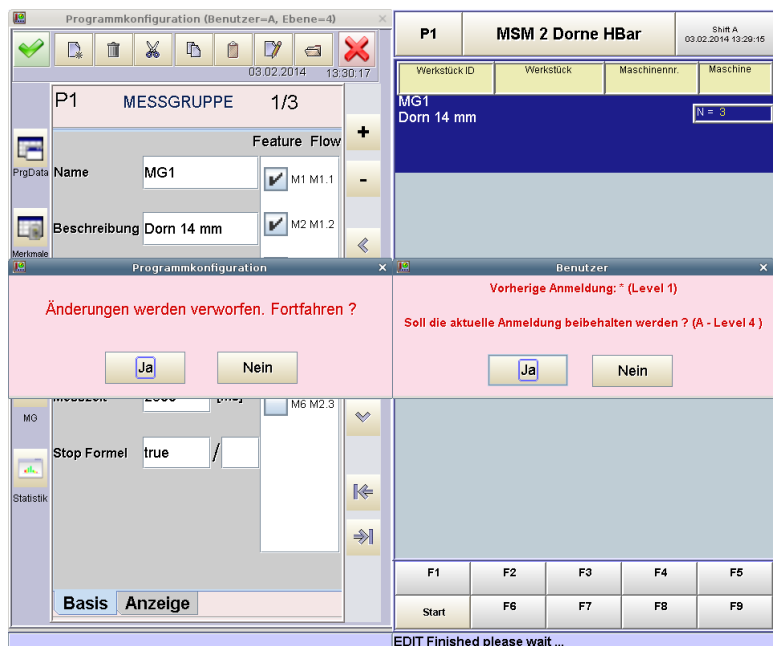
Using the menu option to shutdown (bottom right) can shut down the measuring device. This must be the dialog message "Shut down computer" confirmed "yes". Thereafter, the measuring device can be switched off.



3.6. MRA Menu

All of these changes and others are performed in the MRA mode via the menu item Editor MRA. All they need to log in (login)





There is a separate manual for the MRA menu.

4.0 Appendix

This section is blank on purpose.