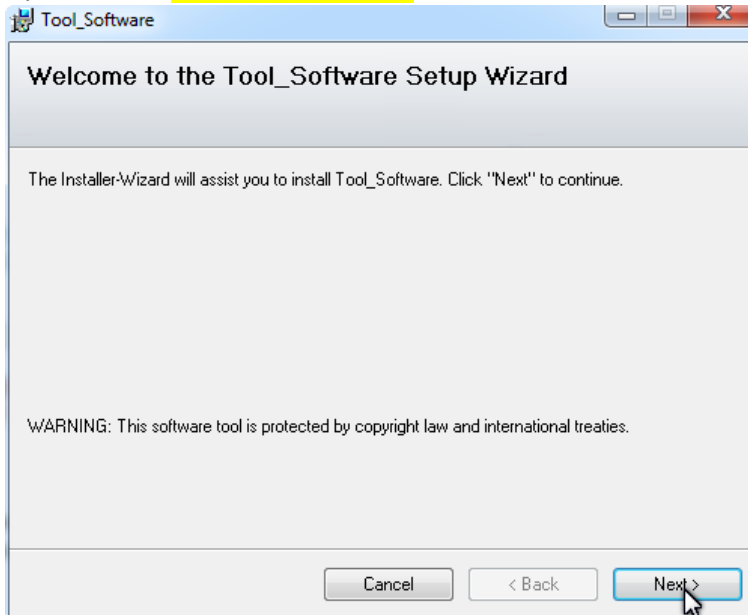


Contents:	Page:
1. Uninstall the old Version	2
2. Install Version 4.2.6	2
3. First Steps	4
4. Procedure to update the Firmware	5
5. Open the "Service Center Area"	
a. How to get to the Service Tab?	7
b. Reset Service Counter after the "Service" has been successfully performed	8
c. Calibrate tools without pressure sensor	9
d. Parameter Back-Up	11
e. Load a new Parameter-File	12
6. Service Diary	13

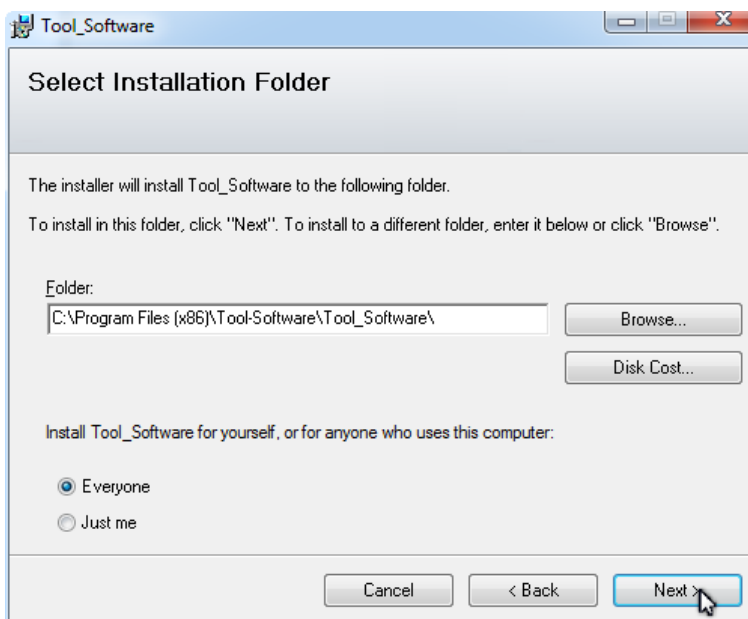
1. uninstall old Versions

2. Install Version 4.2.6

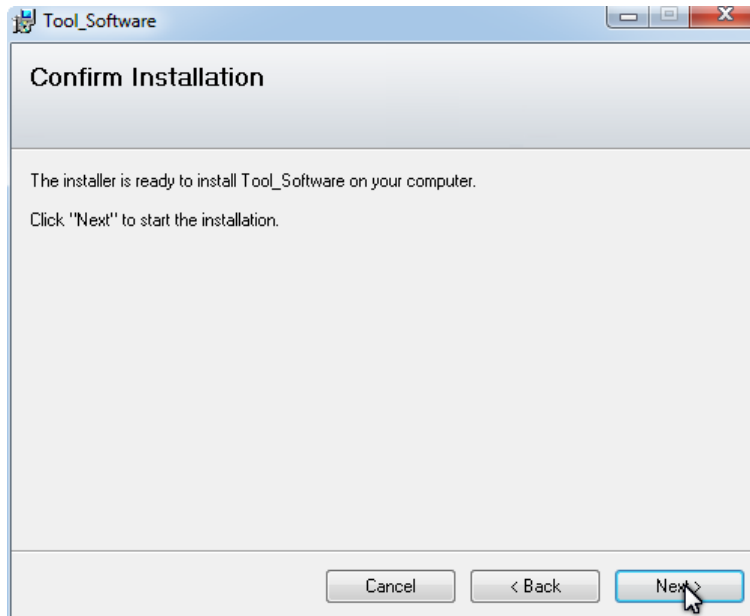
- a. Save the complete Folder at your local hard disc
- b. Open the Folder with the ending V426
- c. Open the File **"Tool-Software.msi"** to start the installation of the Analysis-Software



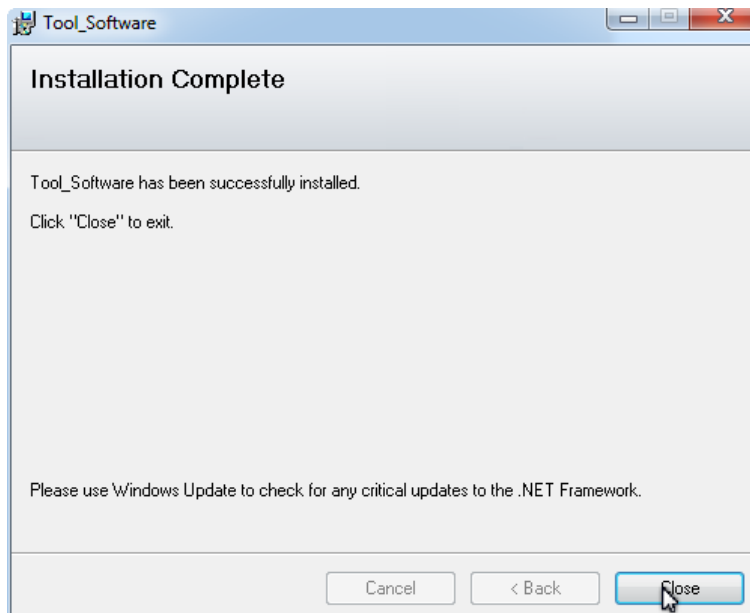
d.



e.



f.

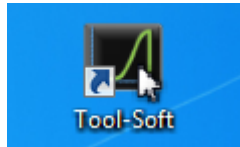


g.

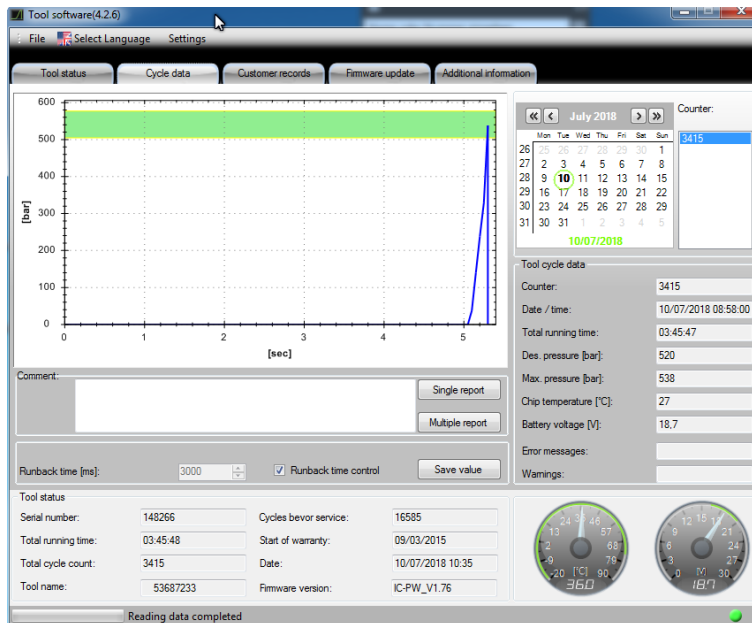
h. ...successfully installed

3. First steps

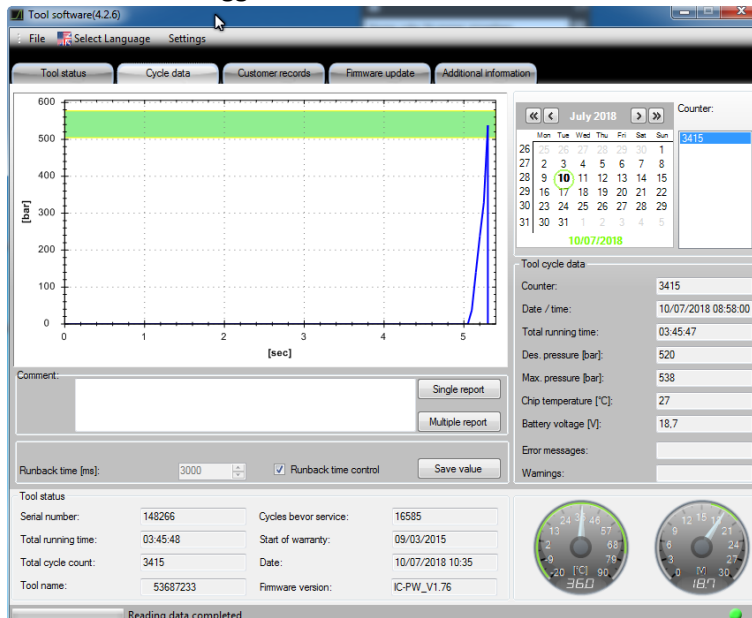
- Use a Mini-USB-Cable and connect the Tool with the PC or Laptop.
- Open the Analysis-Software



- The Tool-Software starts



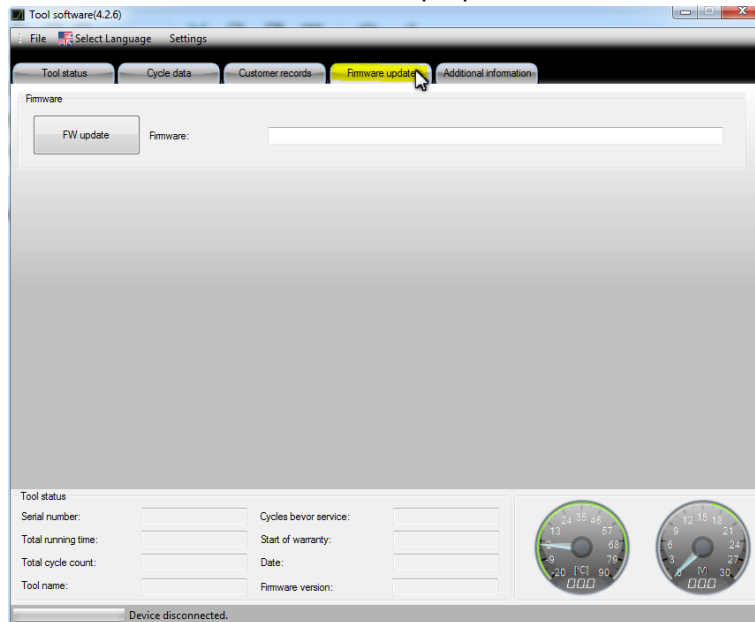
- Press the Start-Trigger in order to activate the tool



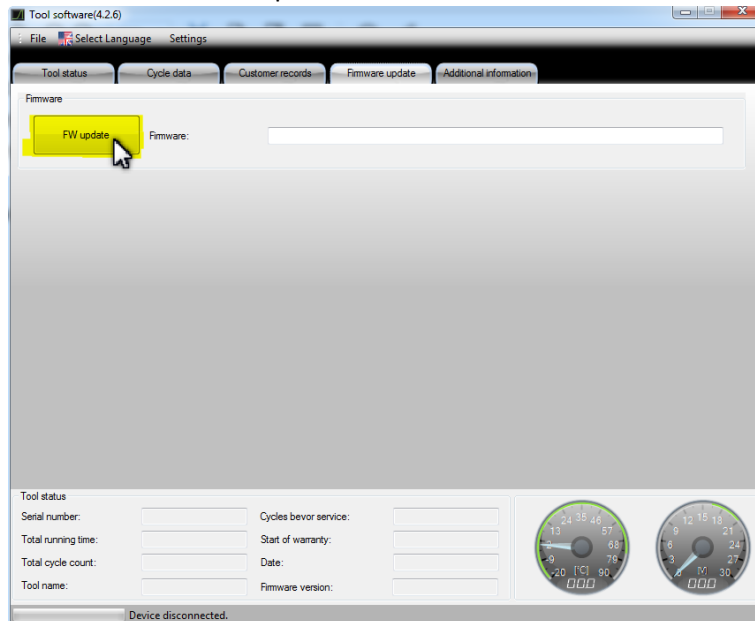
- Check old pressing cycles and look for deviations, warnings or Error messages
- Print a Screenshot to document the current tool status

4. Procedure to update the Firmware

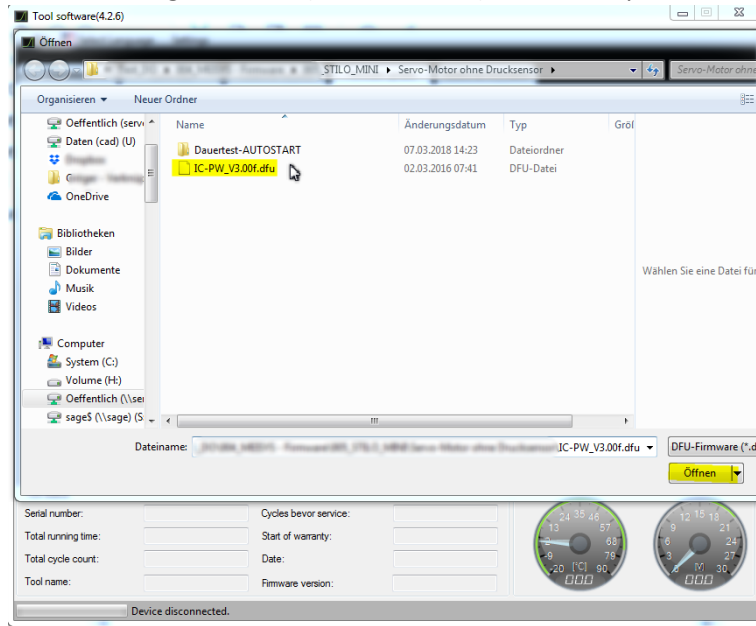
- a. Remove Battery from the Tool
- b. To Start the bootloader, hold Start Trigger while insert the Battery again
- c. The Bootloader is activated when both LED (Service LED [left] / Battery LED [right]) flash alternative
- d. Connect the Tool with the PC or Laptop



- e. Press the Button FW update



- f. Choose the right dfu-file (Firmware-File) and Click Open

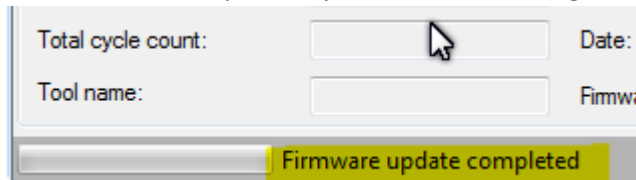


Do not mix different dfu-files

If you aren't sure which is the right dfu-file, contact us at service@vetecgmbh.de or service@joiners-bench.de

→ Tell us the Serial-Number or send us a screenshot of the "cycle data"

- g. After the installation process you'll find the message "Firmware update completed"



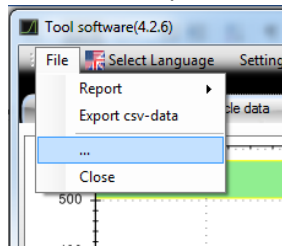
5. Open "Service-Center-Area"

a. How to get to the Service Tab?

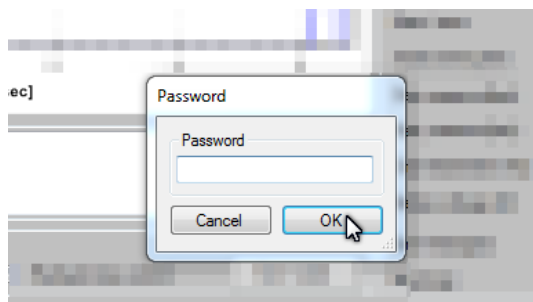
i. Click on File



ii. Choose the Option "..."



iii. Fill in the Password



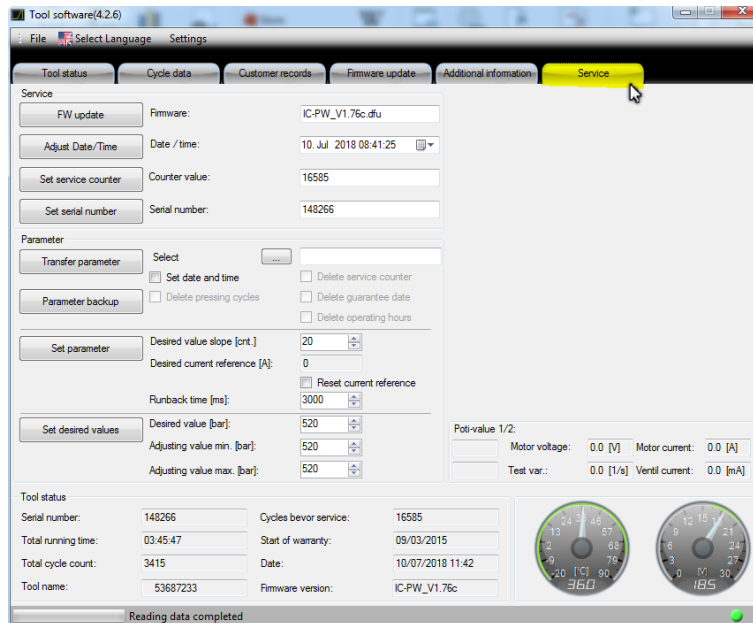
The password consists of the two letters "ic" and a combination of the current time (ic + mm +hh)

Example: for the Time 11:18



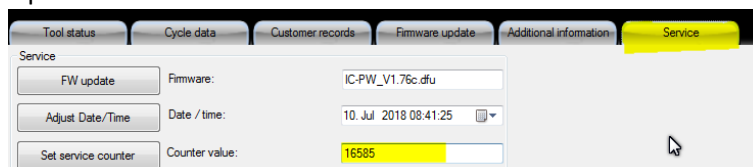
Password: ic1811

iv. Now you can work in the "Service-Center-Area"

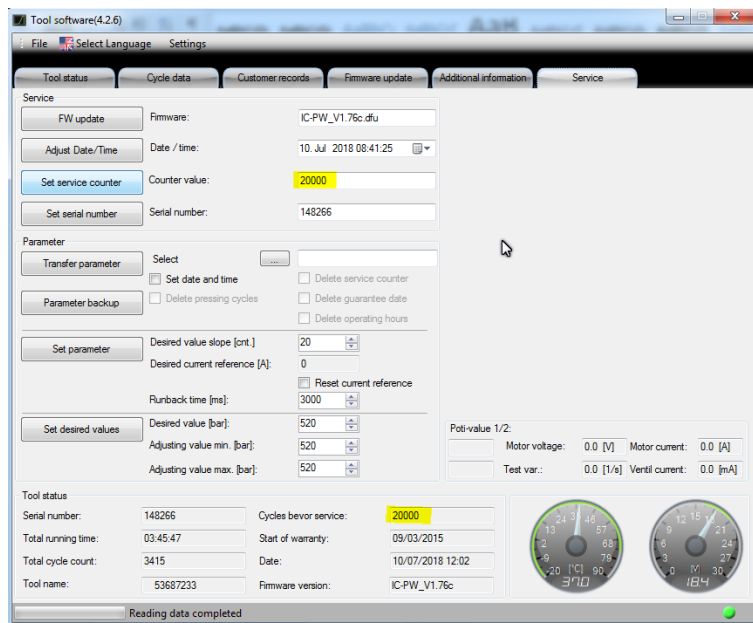


b. Reset Service Counter after the “Service” has been successfully performed

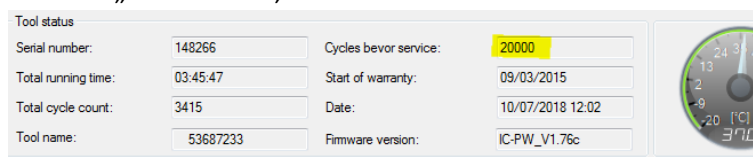
i. Open the Service-Tab



ii. Fill in the Service counter (10000/20000 or 30000)
iii. Klick at “Set service counter”



iv. Check in „Tool-Status“, whether Service counter shows setted value



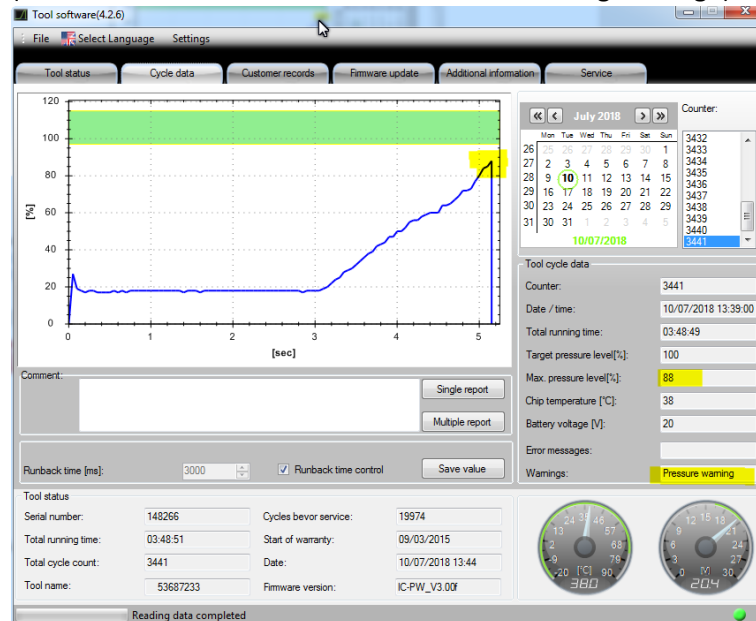
c. Calibrate tools without pressure sensor

If the Pressing curve is out of tolerance, or the Tool does not find the cutoff value and continues to run after the Pressing-cycle has been completed (the Security valve released), the machine must be recalibrated.

This may be necessary if replacement parts have been replaced or the force / pressure has been readjusted.

i. This Pressing curve isn't okay

(The value of the maximum Pressure level isn't high enough):



ii. Open the "Service"-Tab

iii. Set the Desired value slope [cnt] to "3", set "Reset current reference" and confirm it with "Set parameter".

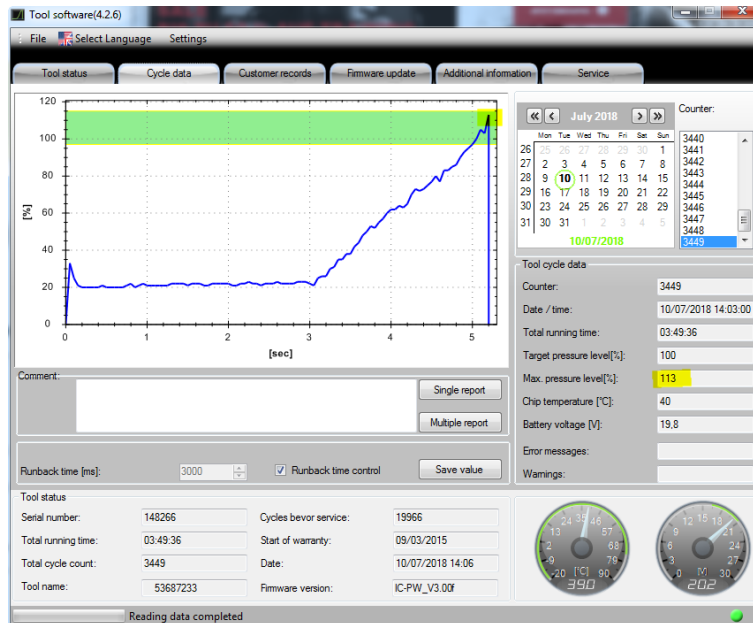
Parametersatz übertragen	Auswählen	...	
Parameter backup	☐ Systemzeit setzen	☐ Servicezähler zurücks.	
	☐ Zählerstand zurücksetzen	☐ Garantie zurücksetzen	
		☐ Betriebsstunden löschen	
Parameter speichern	Arbeitswert-Steigung [cnt.]:	3	
	Sollwert-Stromreferenz [A]:	30	
		☒ Stromreferenzwert zurücks.	
	Rücklaufzeit [ms]:	3000	
Sollwert-/Grenzen	Sollwert [bar]:	520	
	Einstellwert min. [bar]:	520	
	Einstellwert max. [bar]:	520	

Transfer parameter	Select	...	
Parameter backup	☐ Set date and time	☐ Delete service counter	
	☐ Delete pressing cycles	☐ Delete guarantee date	
		☐ Delete operating hours	
Set parameter	Desired value slope [cnt.]:	3	
	Desired current reference [A]:	0	
		☐ Reset current reference	
	Runback time [ms]:	3000	
Set desired values	Desired value [bar]:	520	
	Adjusting value min. [bar]:	520	
	Adjusting value max. [bar]:	520	

- iv. Insert a Pressing Jaw or a crimping die and make five Pressing-/ Crimping-/Cutting-Cycles

Transfer parameter	Select	...	
Parameter backup	☐ Set date and time	☐ Delete service counter	
	☐ Delete pressing cycles	☐ Delete guarantee date	
		☐ Delete operating hours	
Set parameter	Desired value slope [cnt.]:	3	
	Desired current reference [A]:	24	
		☐ Reset current reference	
	Runback time [ms]:	3000	
Set desired values	Desired value [bar]:	520	
	Adjusting value min. [bar]:	520	
	Adjusting value max. [bar]:	520	

- v. Check in the "Cycle Data"-Tab the Pressing-/Crimping- or Cutting-Curve

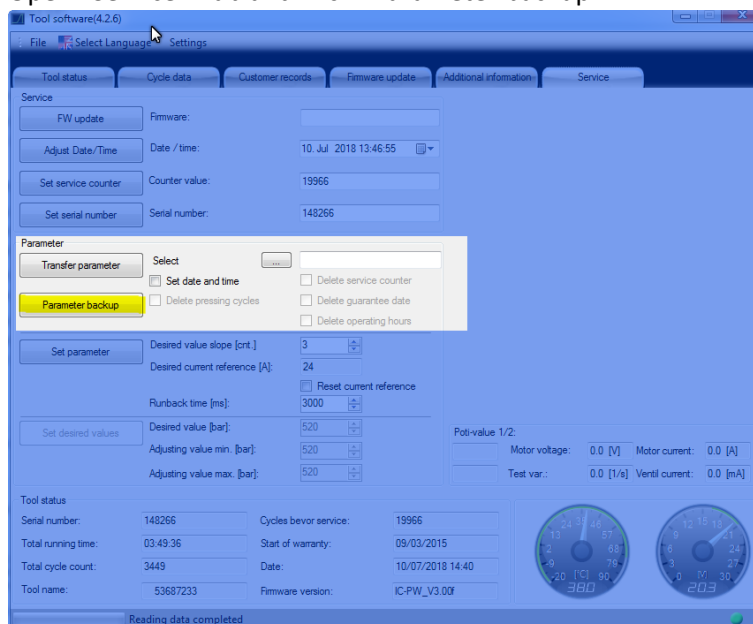


vi.

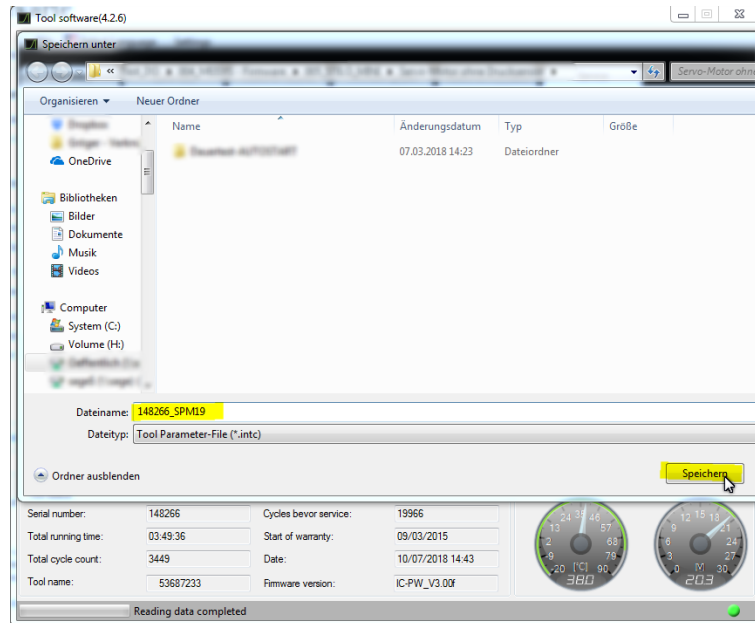
d. Parameter Back-Up

The parameter backup is necessary if, for example, a control unit must be replaced. In this case, the relevant data is stored by the tool.

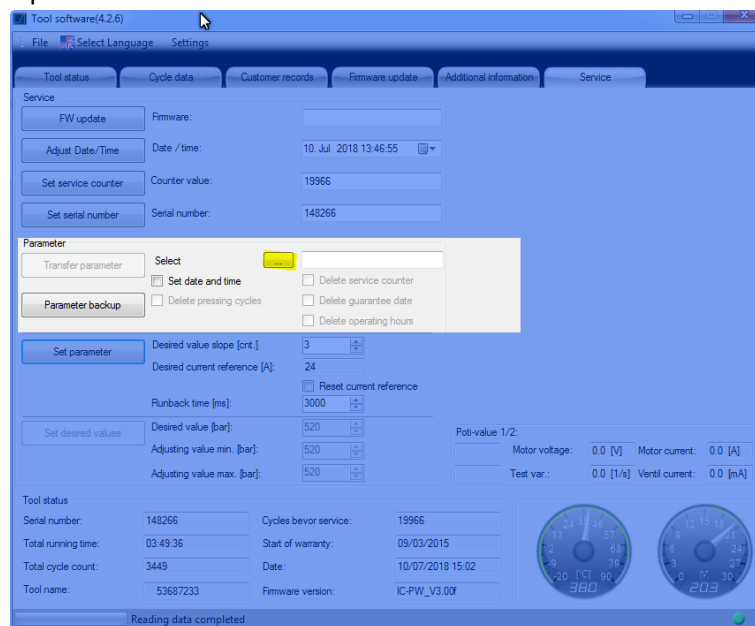
i. Open "Service"-Tab and click "Parameter backup"



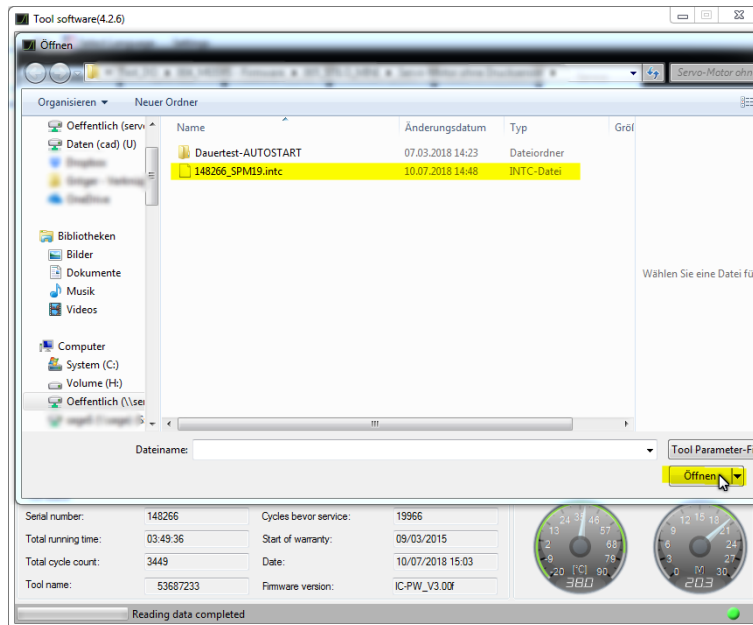
ii. Fill in a File-Name **Exampe: Serial-Number_SPM19** and save old Parameter



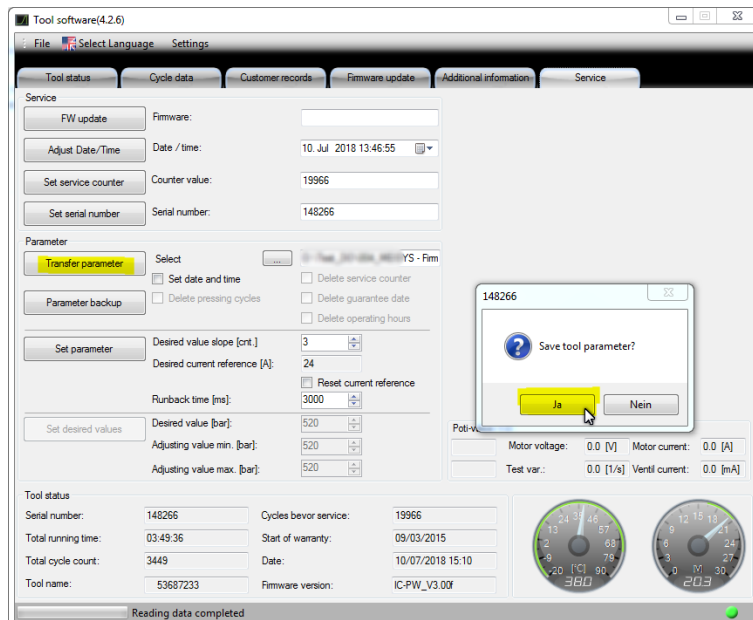
- e. Load a new Parameter-File
 - i. Open "Service"-Tab and click at "..."



- ii. Select the new Parameter File or in case of replaced Control unit, select the Parameter backup-File.



iii. Klick at "Trensfer Parameter" and "Yes"



iv. Calibrate the Tool

6. Customer records

Please write down some Information in the Diary.

- Date of Service or Repairing
- Total cycle count
- Executed work
 - Cleaning the Tool
 - Visual inspection
 - Moving parts grease
 - Check torque at signficante screws
 - Replace oil
 - Check Force
 - Calibrated
- Used Spareparts:

- i. O-Ring
- ii. Backup-Ring
- iii. Oil
- iv. Etc.

