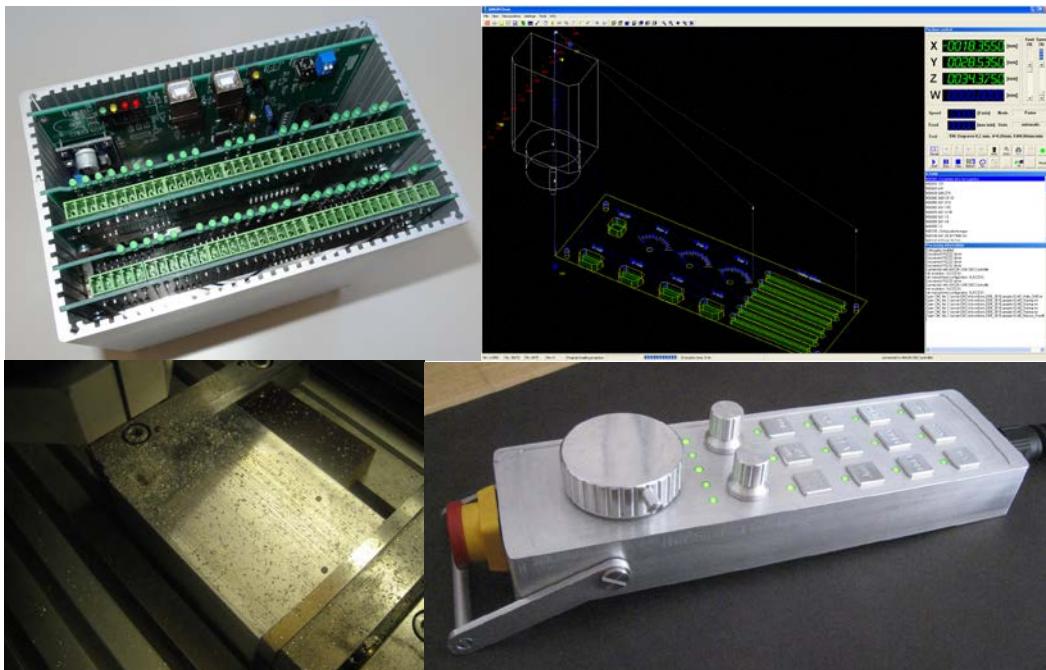


TN022

AKKON CNC SYSTEM

AKKON CNC quick start



Authors: Gerhard Burger
Version: 1.0
Last update: 19.11.2016
File: TN022_AKKON_CNC_Quickstart_V1_0en.doc
Attachments: no attachments

Table of versions

Version	Date	Remarks
1.0	19.11.2016	first version

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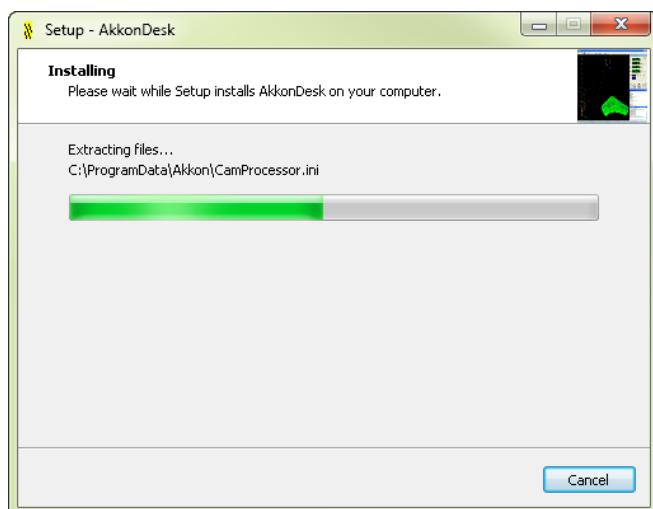
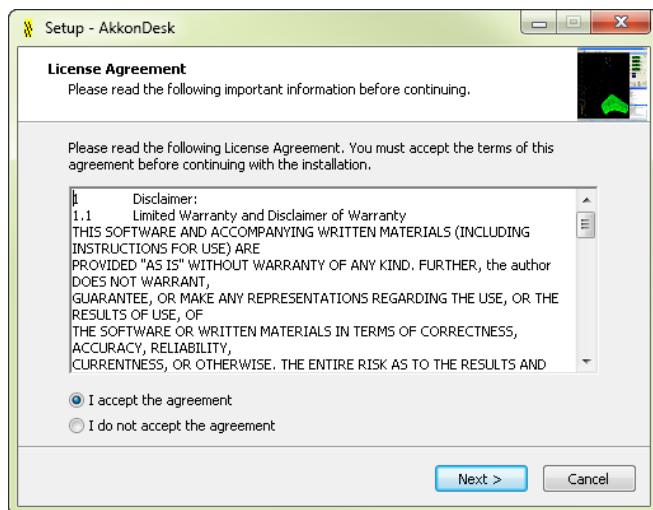
1 Introduction

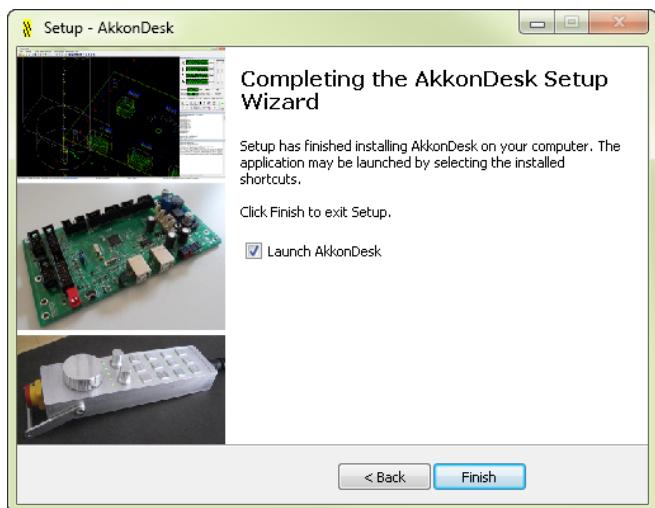
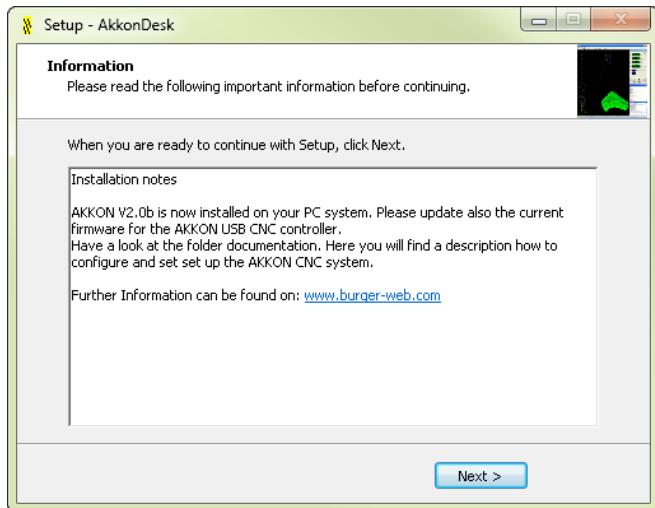
This document describes the configuration of turret, tool management configuration of reference point R0 as well as some additional features about AKKONDesk.

Configuration of AkkonDesk is done by ini files. The files are located on C:\ProgramData\Akkon (Win 7) and either be modified manually in the text editor as well as in different Dialogs in the AkkonDesk software. However, modification of not all parameters is supported in dialogs.

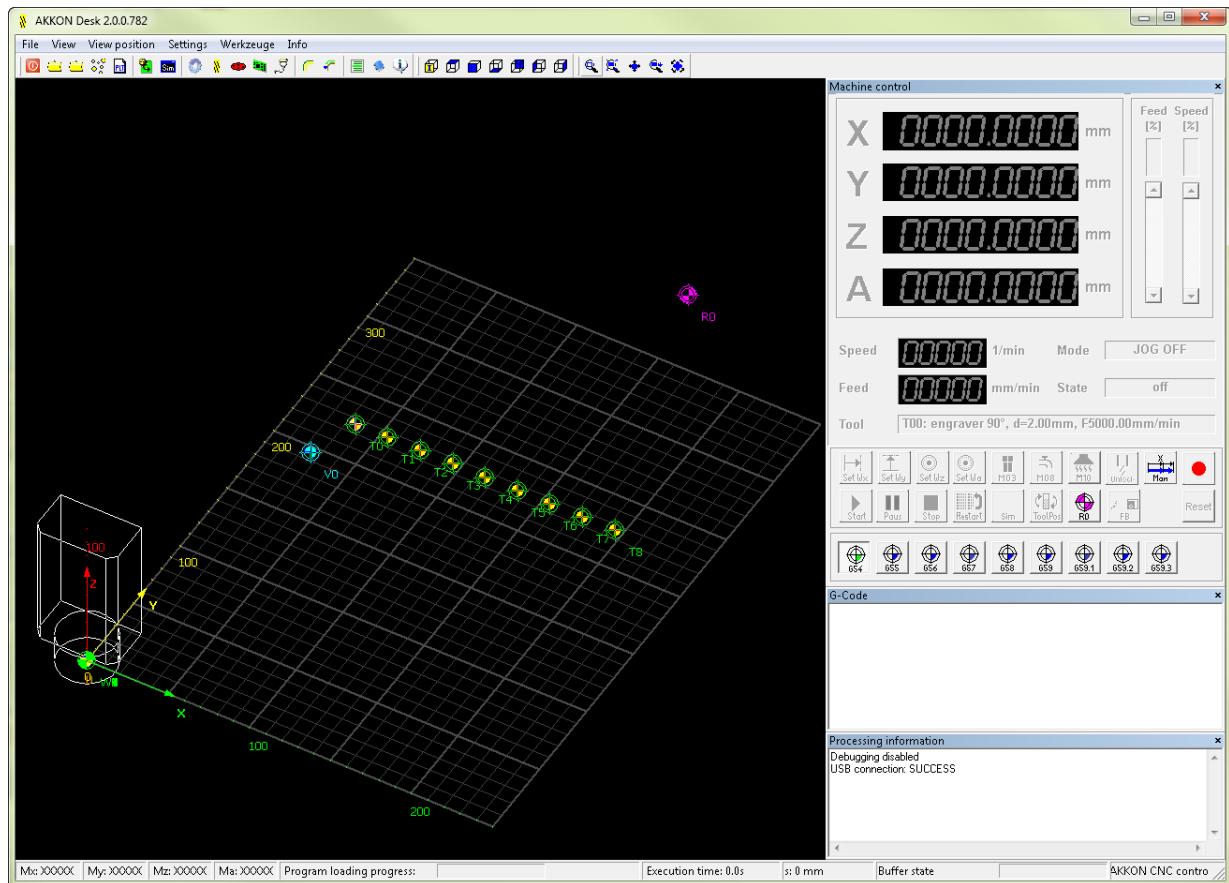
2 Install AkkonDesk CNC software

2.1 Execute AKKONDesk Installer





2.2 Launch AkkonDesk first time



3 Install USB-Driver

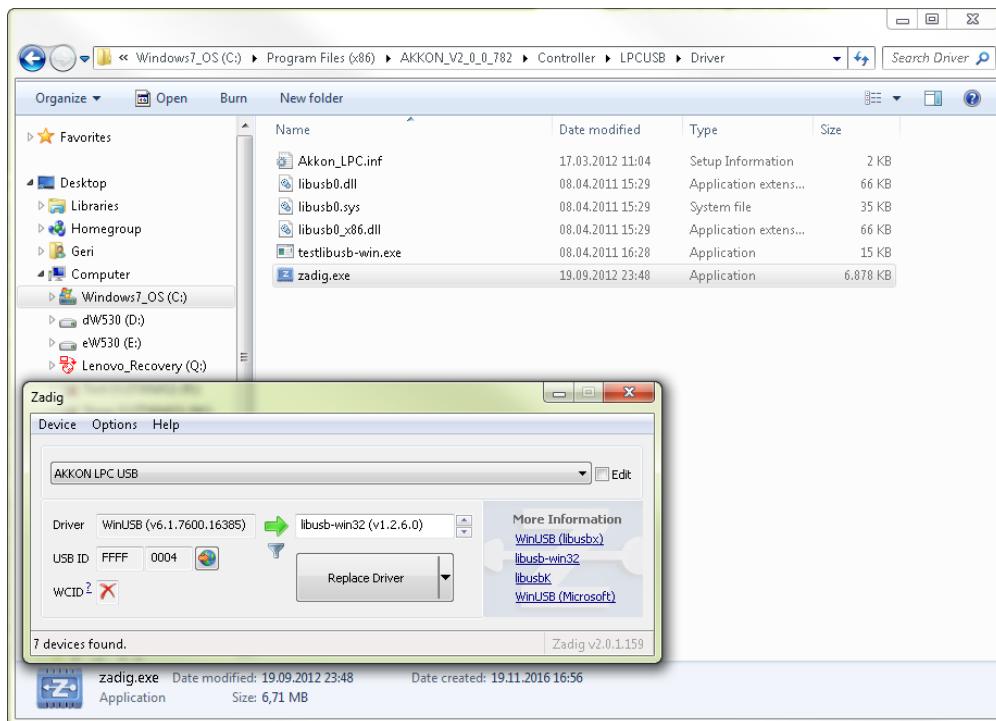
Note: The installation of a USB-Driver is only necessary if you want to run the AKKON CNC controller over USB-option.

3.1 Locate USB-Driver installer application Zadig.exe and run the application

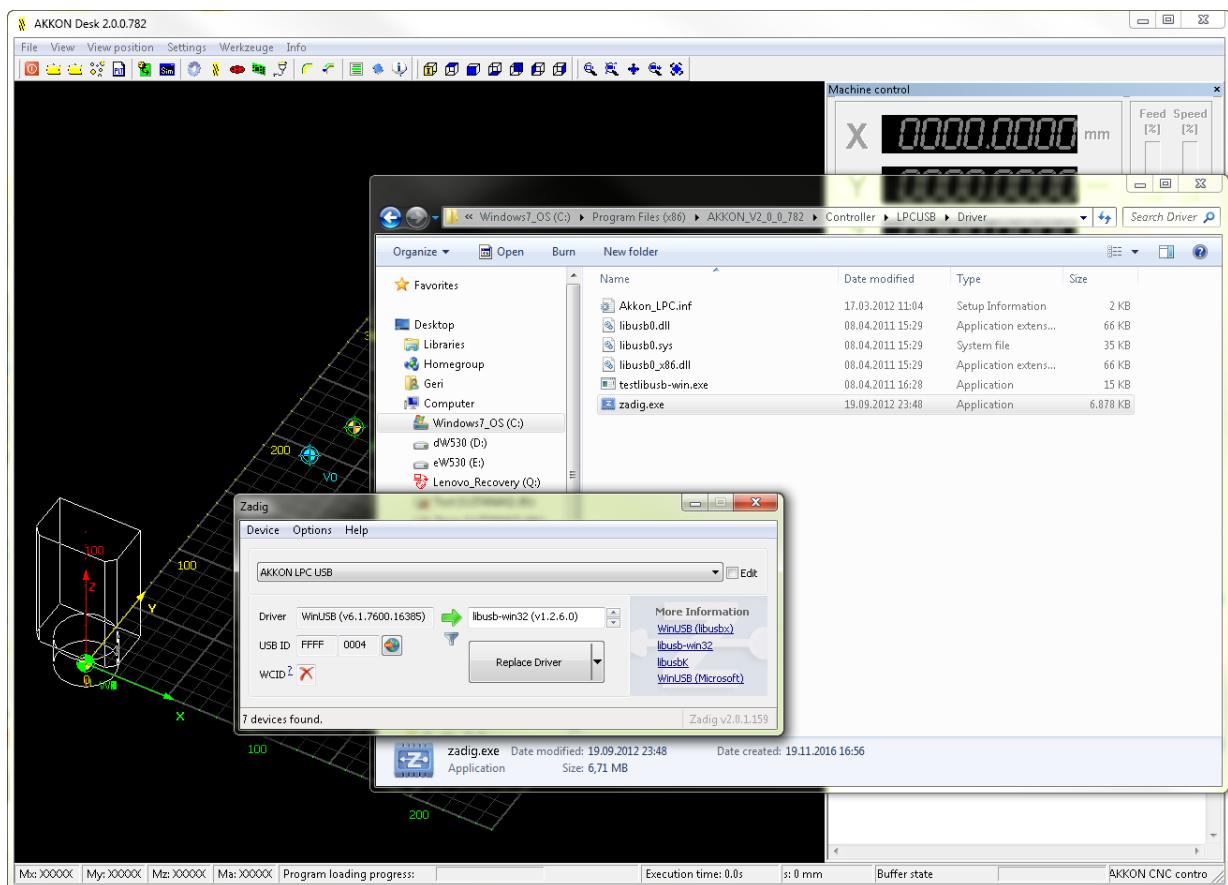
3.2 Select Options – list all devices

Select AKKON LPC USB

Select Libusb-Driver

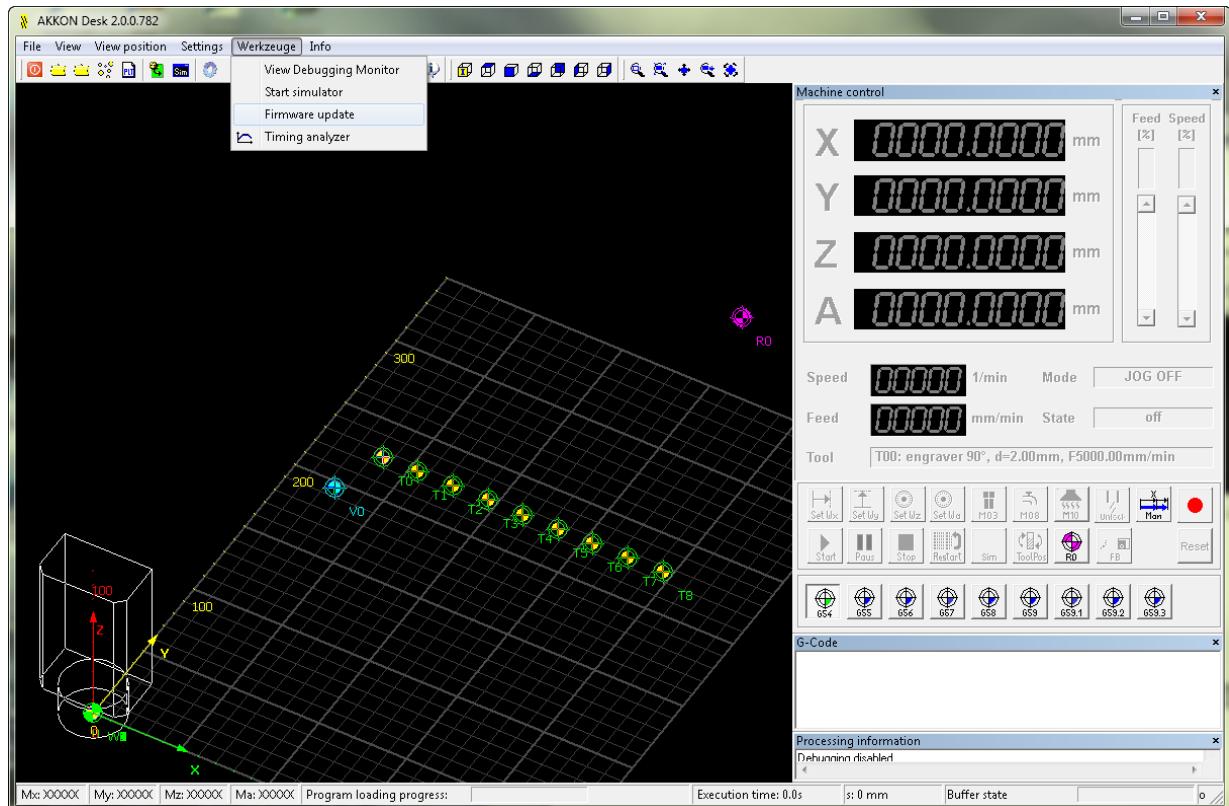


3.3 Press Replace dirver resp. install driver



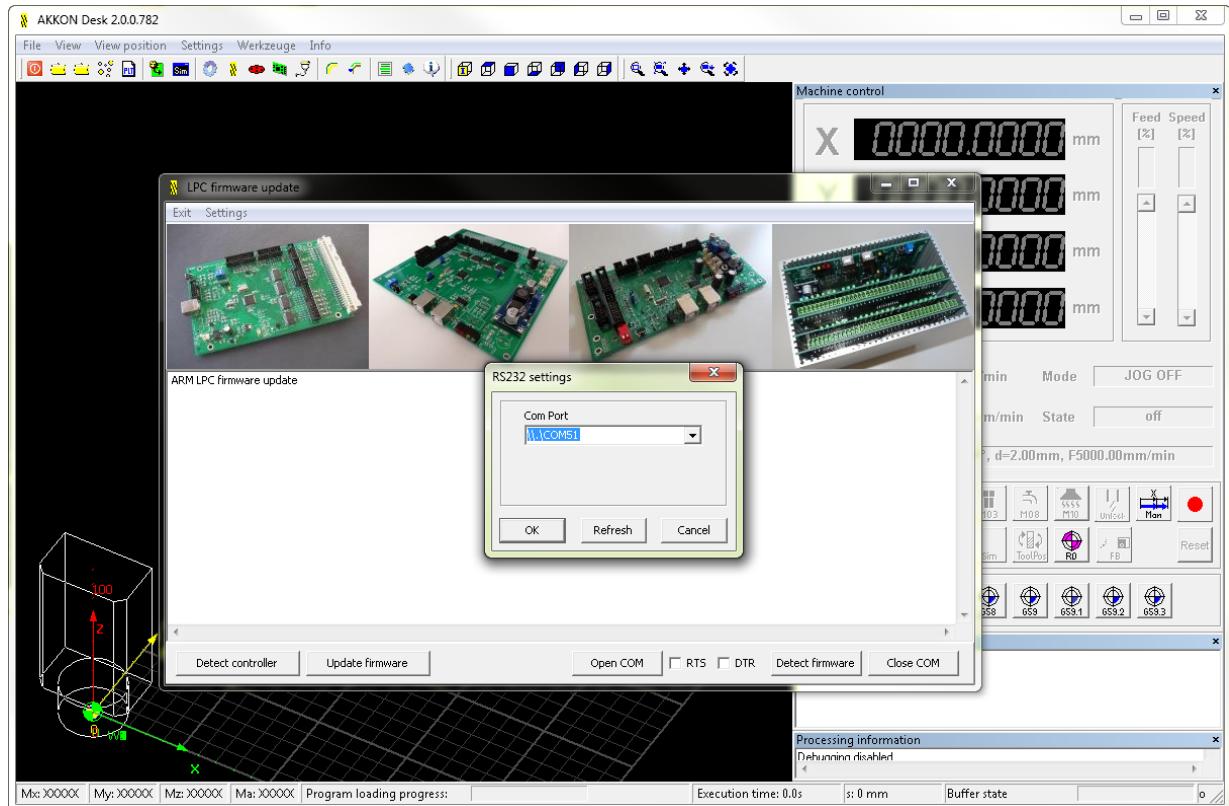
4 Update AKKON CNC controller firmware

4.1 Launch AkkonDesk and open firmware update dialog



4.2 Connect AKKON USB controller over USB to PC

4.3 Change RS232-settings to right COM port



4.4 Select firmware

You can choose USB-RS232-driver oder USB driver. It depends on your hardware version. Some boards only have USB-RS232 some have both.

4.5 Switch AKKON CNC controller board in firmware mode

This can be done by setting the dip switches on the controller board. Please see also the TN014

4.6 Run controller detection



If the USB-RS232 firmware has been installed, a firmware detection can be performed. Open Com port, reset the controller using DTR/RTS or do it manually and then press “Detect firmware”.

If the USB firmware has been installed, firmware information can be read out using AkkonDesk->Menu->Info-About-Dialog

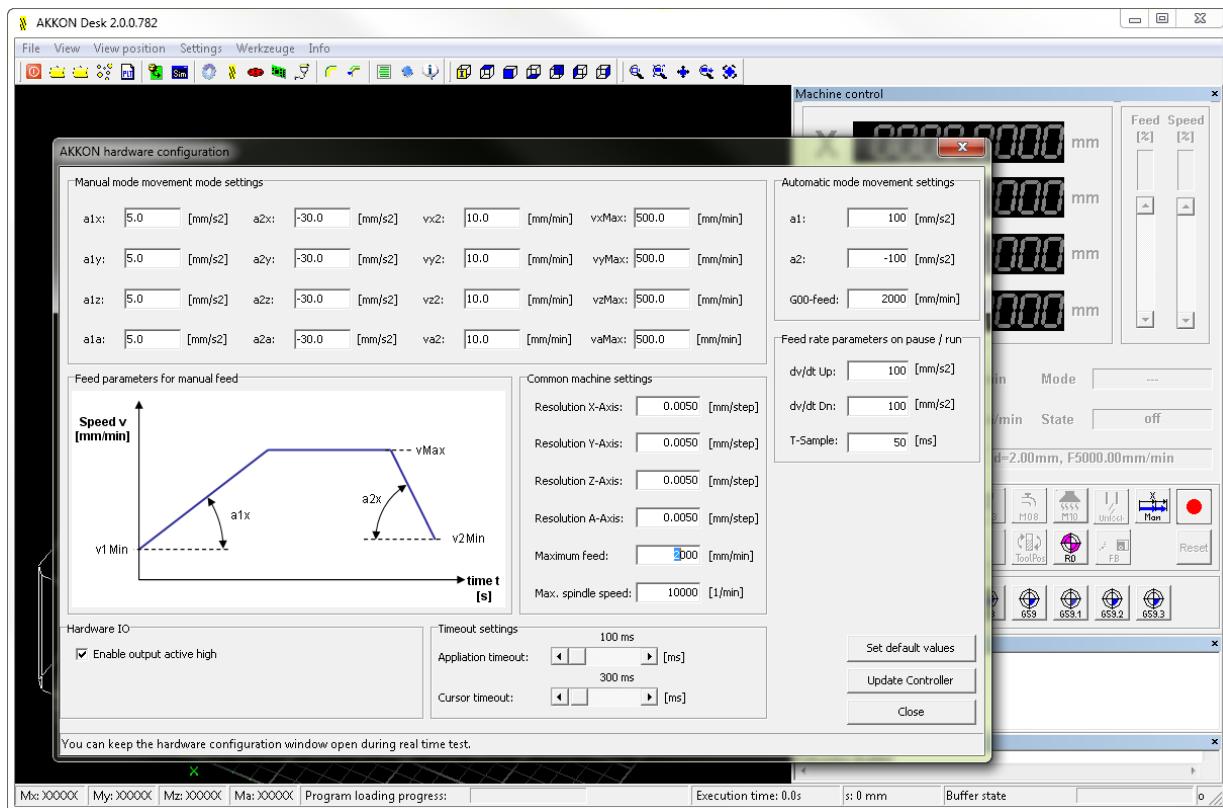
4.7 Close AkkonDesk

5 First launch AKKON Desk

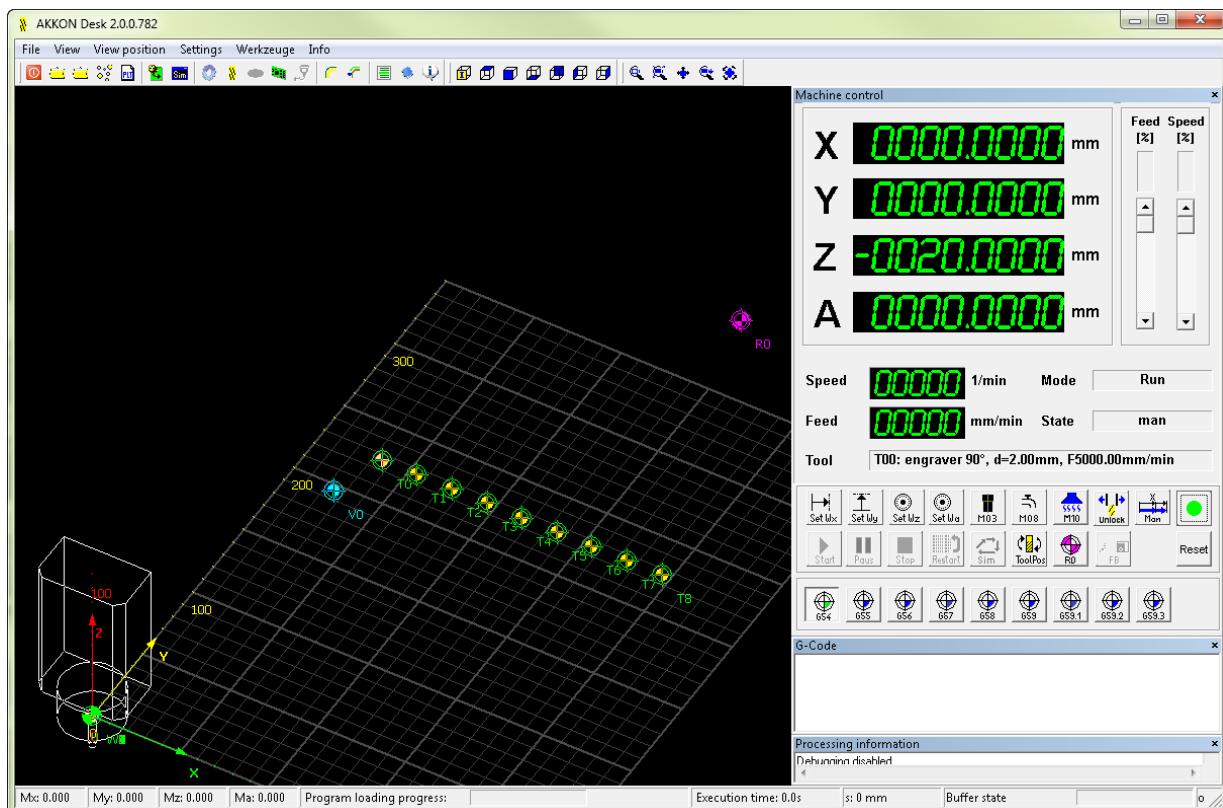
5.1 Start AKKON Desk

5.2 Set hardware settings

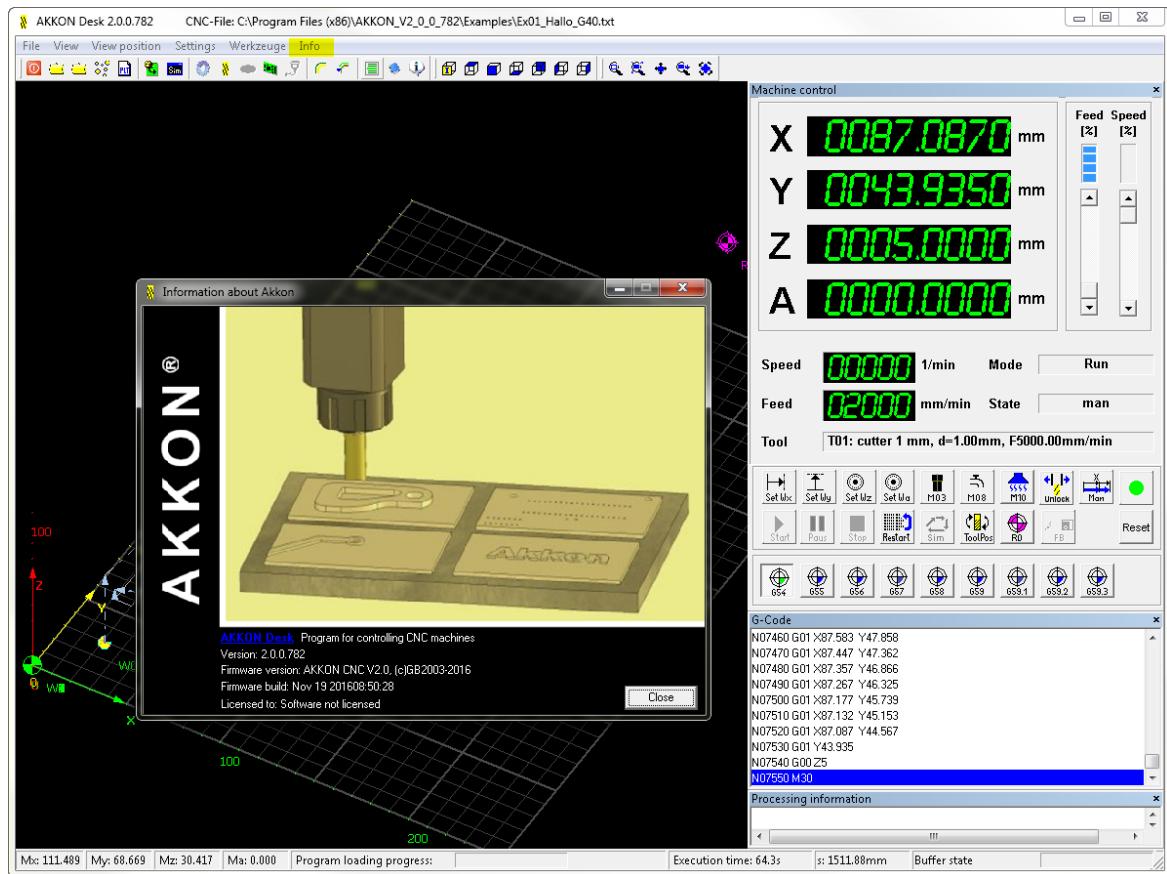
Check if the hardware parameters fit to your CNC-Machine. If necessary change the values



5.3 Connect to AKKON CNC controller



5.4 Check if the firmware is up-to-date

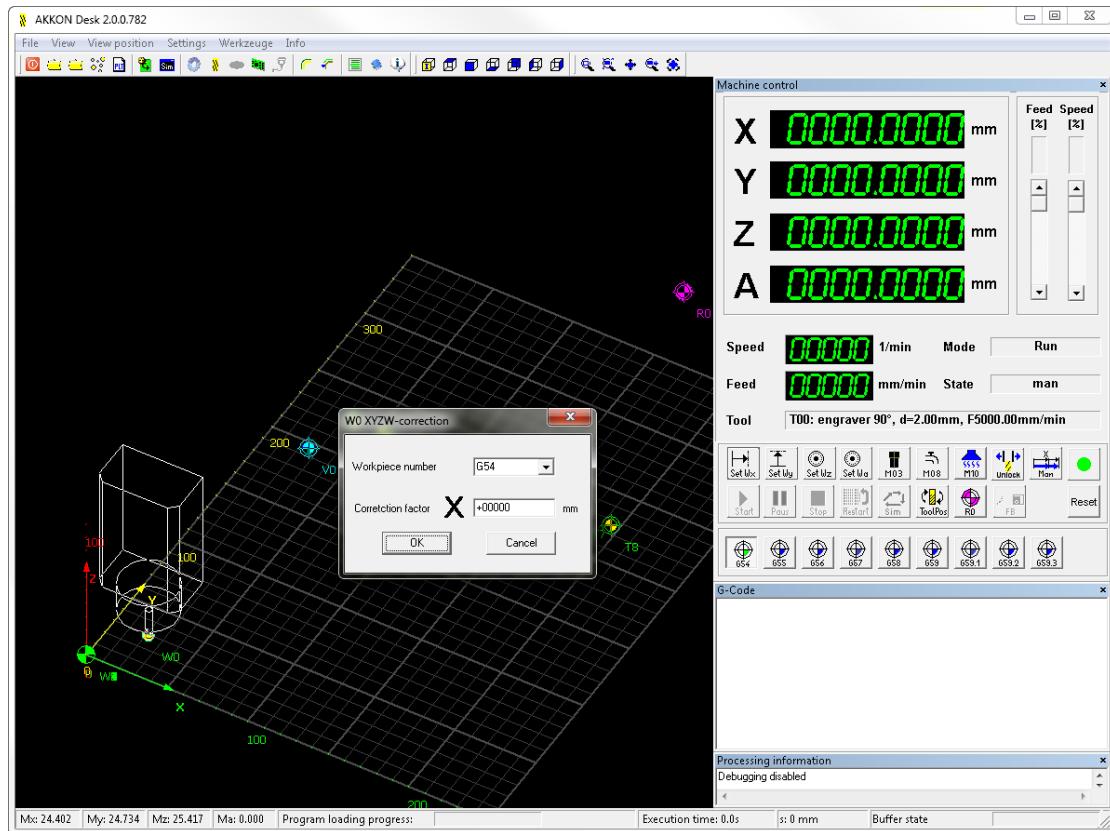


5.5 Increase feed and move with cursor- and F1/F2-keys

Further keys, please see Menu->Info->Hotkeys

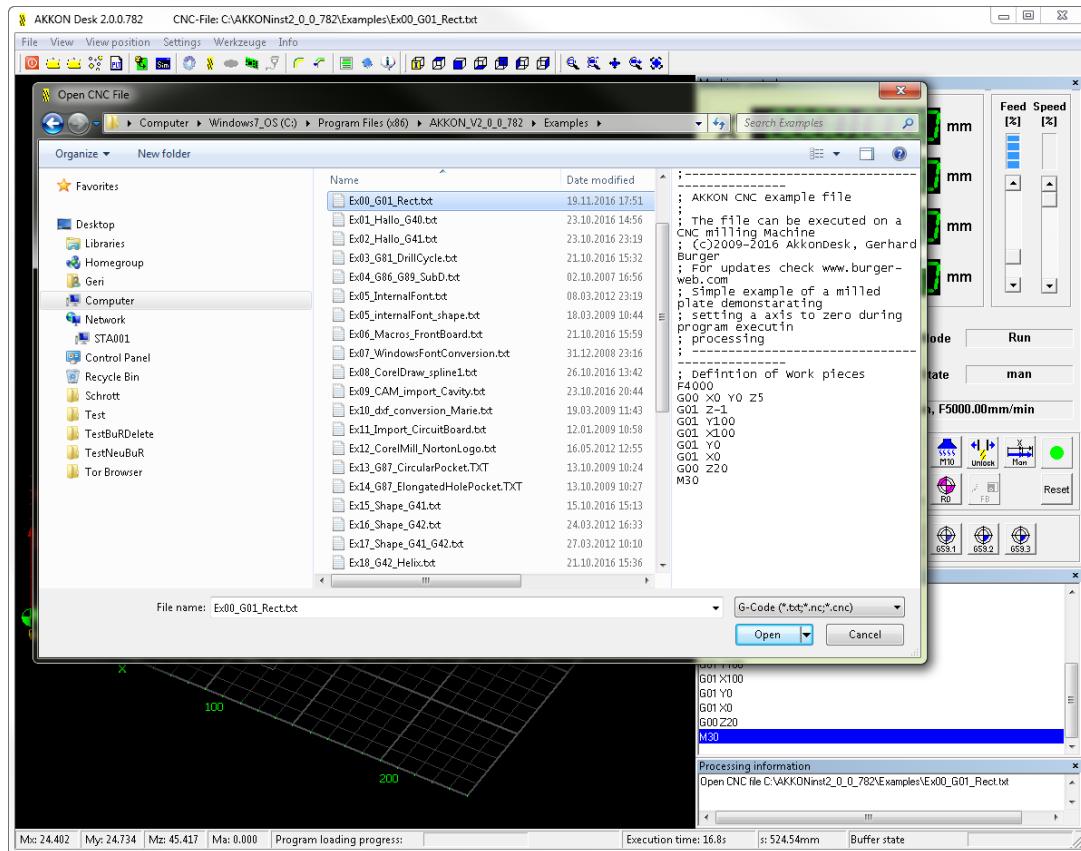
5.6 Set work piece zero point of all axes

Move spindle to appropriate position and set work piece zero point of all axes.



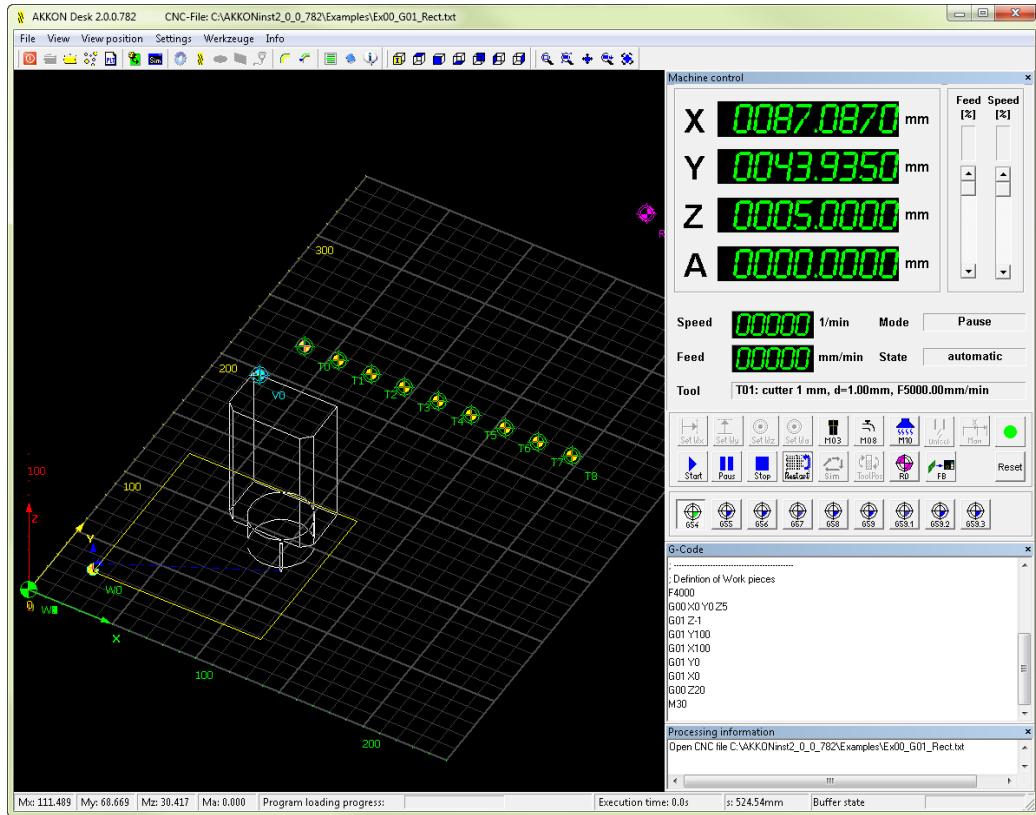
5.7 Open Example CNC-file

Select first example Ex00_G01_Rect.txt

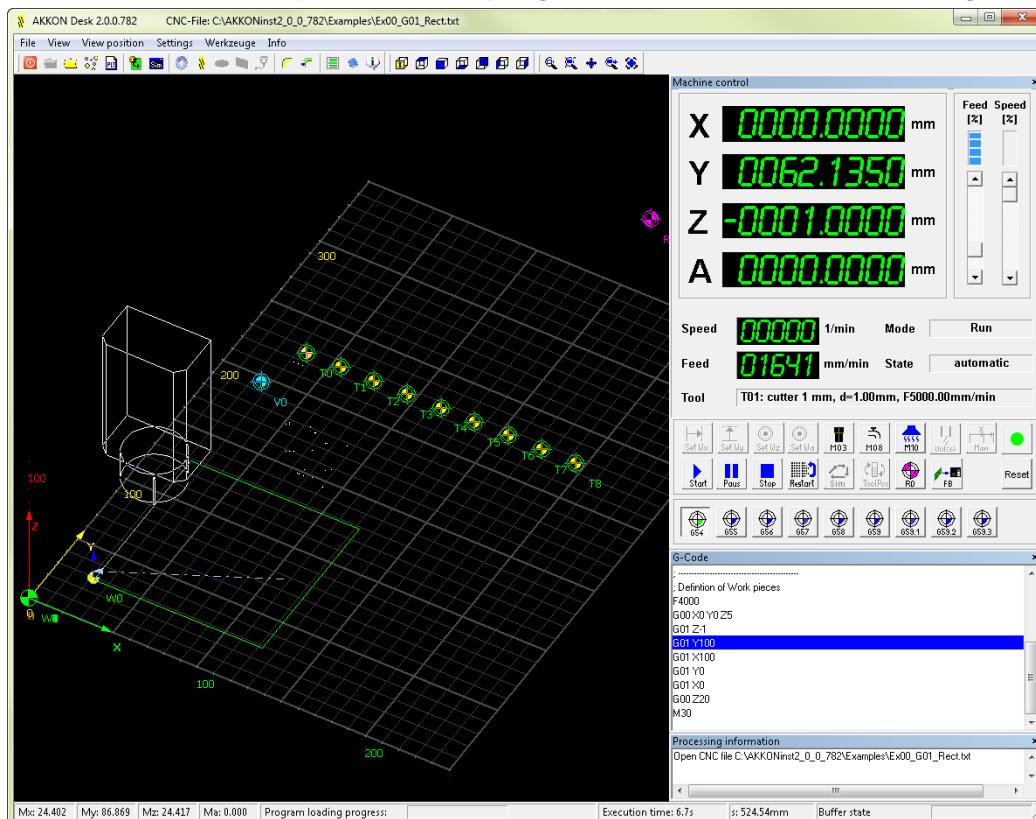


5.8 Press Start-, Stop- or Pause button for controlling execution

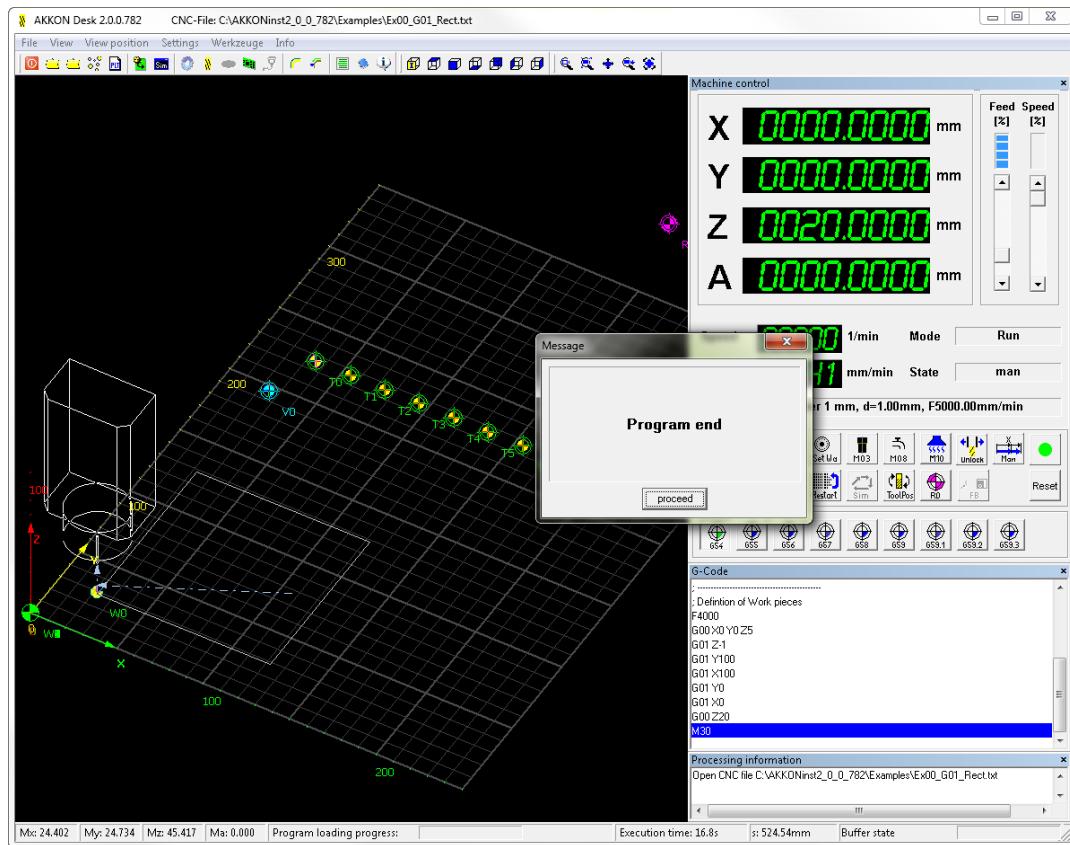
After pressing start, increase the feed scrollbar and



5.9 Press start to proceed with program execution after tool change



5.10 Let the application finish



Please see TN020_Configuration_Procedures_And_Additional_Features_of_AKKONDesk.pdf.

6 Disclaimer

6.1 Limited Warranty and Disclaimer of Warranty

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