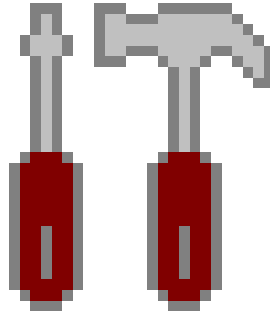


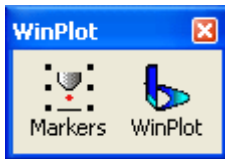
Summa Cutter Tools



1 Cutter tools

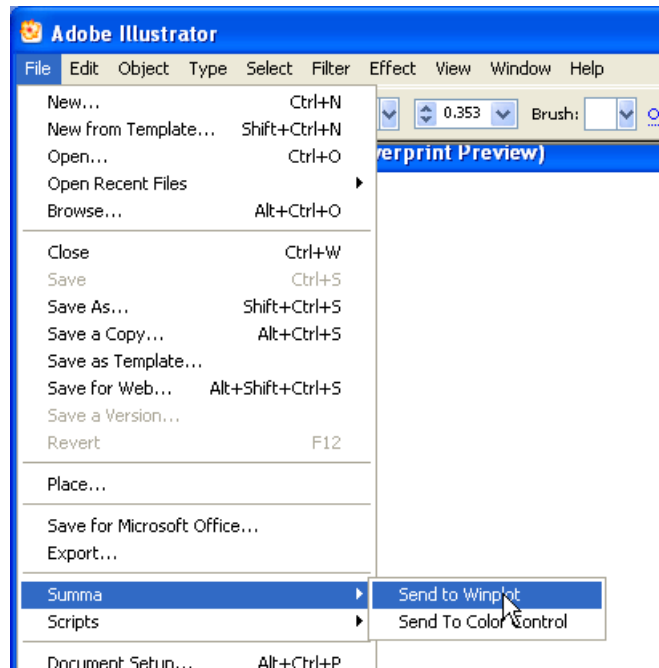
Following useful tools can be installed with this program:

1. Plug-in for CorelDraw (from version 11 on) and Adobe Illustrator (from version CS on) for WinPlot. The plug-in for Corel installs an extra toolbar. Clicking on an icon in this toolbar automatically exports the current drawing into the program indicated in the toolbar. The plug-in for Illustrator creates an extra menu under the 'file menu' called summa.



Corel Toolbar

Script added in
Illustrator file
menu

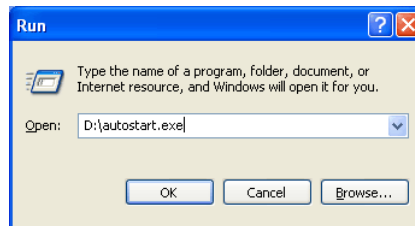


2. Summa Cutter Control. The Summa Cutter Control Program for Windows is a software utility to control the parameters of the cutter. It can also be used to diagnose, upgrade or calibrate the cutter.

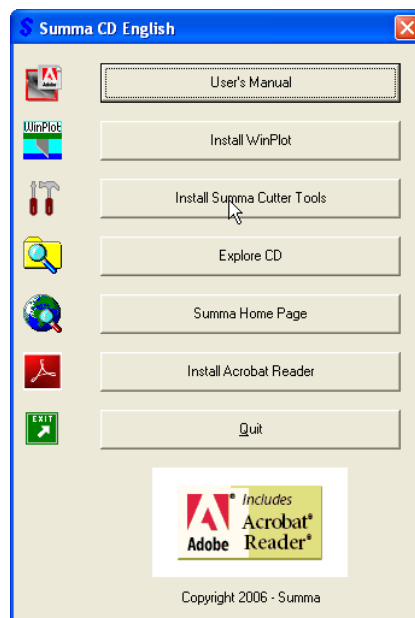
2 Installation of Cutter tools

2.1 Installation of cutter tools

When the installation (manual) CD is inserted in the computer, then it start normally automatically. If not, launch the routine manually from the “Run” command line in the Windows Start menu. Type “D:\autostart.exe” (where D is the CD-ROM drive).



After that the start-up screen appears with flags to choose the desired language. Choose a language. The following installation Window will appear:



Click on the button to start installation of the cutter tools.

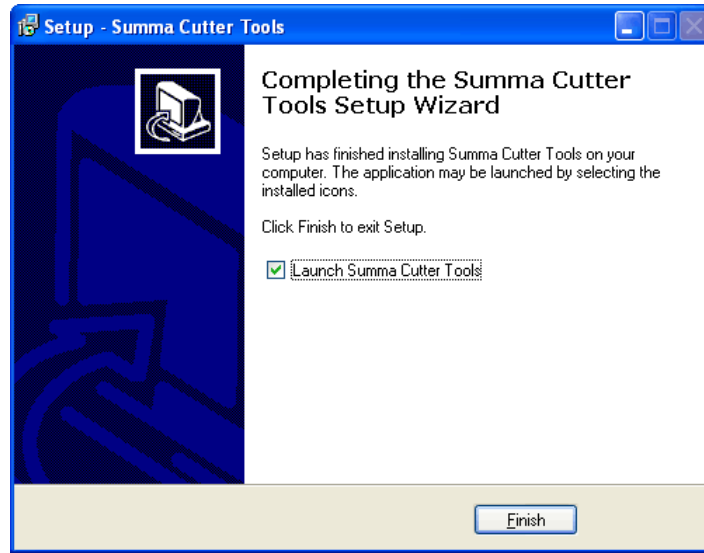
If the program is downloaded from the internet, then just double click it to start it.

This installation just puts all the tools on your hard disk, ready for installation. It is recommended just confirm the proposed options and to install the individual tools directly afterwards.

The individual cutter tools can be installed directly after installation of the cutter tool program, or at a later date.

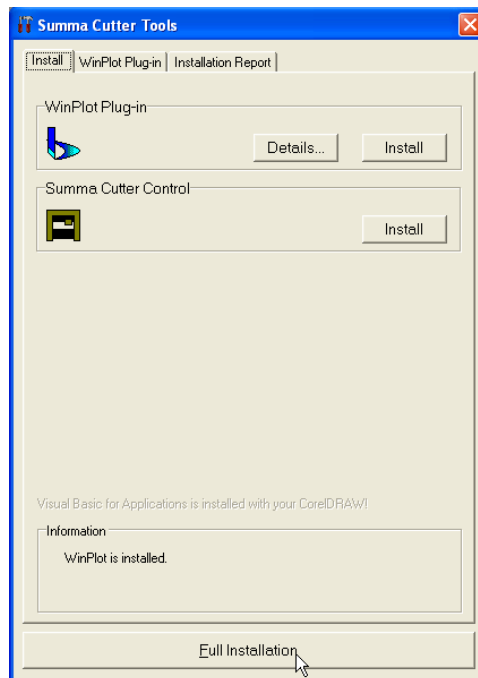
To install later, just click on start -> All Programs -> Summa -> Summa Cutter Tools.

To install the cutter tools immediately leave 'Launch Summa Cutter Tools' checked.



INSTALLATION OF SOFTWARE

The Cutter tools program starts up. It is recommended to click on the 'Full Installation' button to install both the plug-in and Summa Cutter Control. Click on the individual install buttons to install either the plug in or Summa Cutter Control separately.

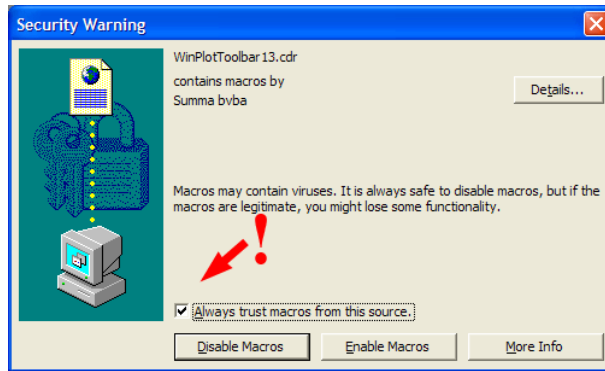


INSTALLATION OF SOFTWARE

3 Plug-in

3.1 Security in Corel

When installing the WinPlot Toolbar a cdr-file with macros is opened. These files must open with macros enabled; else VBA-script can not complete installation.
If Corel is installed, then the default security setting for VBA scripts is medium.
So the program will give a warning that the toolbar contains macros.
If security level is set low, then no message will appear on screen and the toolbar will work without any problems unless the security setting is changed.
In other cases do following:

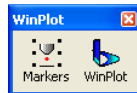


SECURITY SETTINGS

Select “Always trust macros from this source” and click “Enable Macros”.
The next time the toolbar is run, the above message will not appear any more.

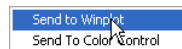
3.2 Options in Corel

The Toolbar in Corel contains two objects.
First one is to set OPOS markers around selected objects.
The other one is to start WinPlot and import all selected objects into it. If there are no objects selected, then automatically all objects are selected.



3.3 Options in Illustrator

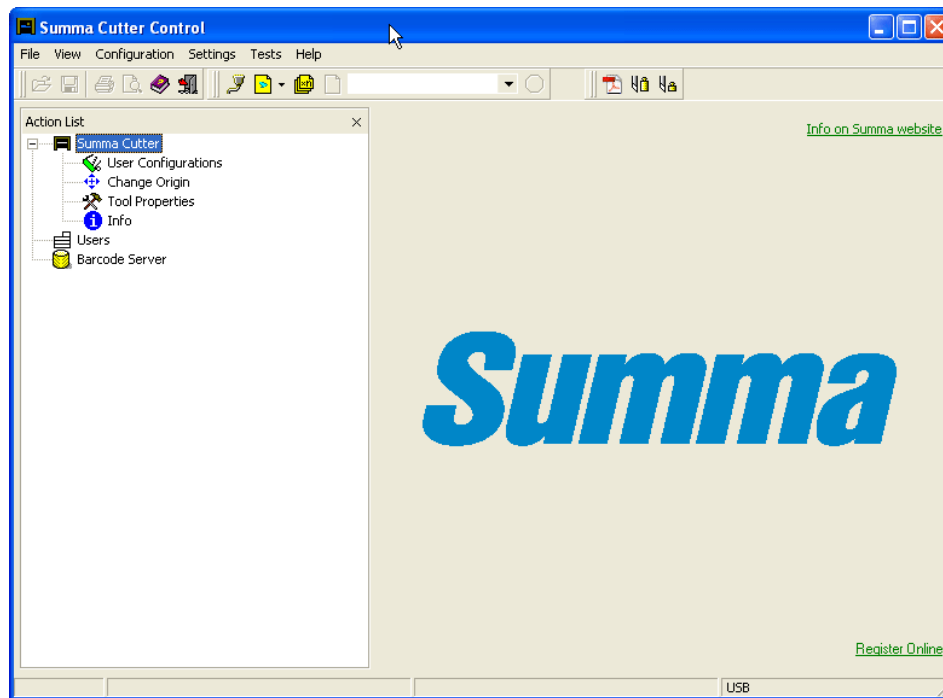
When the plug-in is installed then a script is installed to open WinPlot automatically and import the selected objects into it. If no objects are selected, then automatically all objects are selected.



4 Summa Cutter Control

4.1 Introduction

The Summa Cutter Control program basically has the same functions as the control panel. It is up to the user to decide which way he will work most efficiently. The users who will work with the Summa Cutter Control program will notice that it is a very powerful and practical tool.

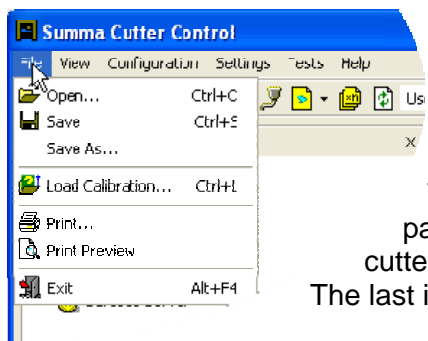


SUMMA CUTTER CONTROL START SCREEN

4.2 Menu's in Summa Cutter Control

There are 5 main menu's in Summa Cutter Control. The help menu is only used for links to the site of Summa and for a revision check of the program.

4.2.1 File menu

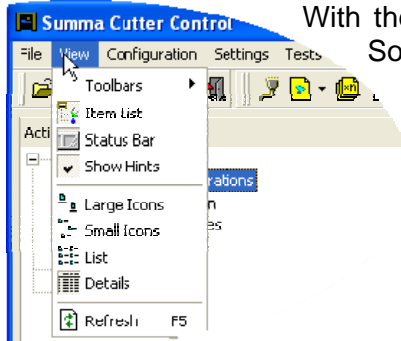


With the file menu, configuration settings can be saved on the computer and loaded from its hard disk. The options are only highlighted if a connection between the cutter and the computer has been established. This can be useful as back-up or extra users.

The print commands prints out the current settings for the cutter parameters and also a complete print out of the NVRAM of the cutter.

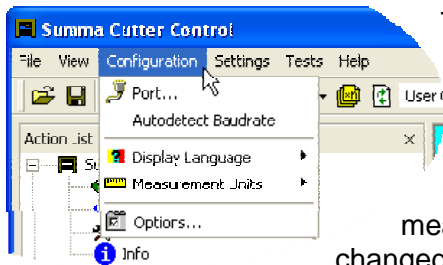
The last item in this menu will exit the program.

4.2.2 View menu



With the view menu, the appearance of the program can be changed. Some options are only highlighted if a connection between the cutter and the computer has been established.

4.2.3 Configuration menu



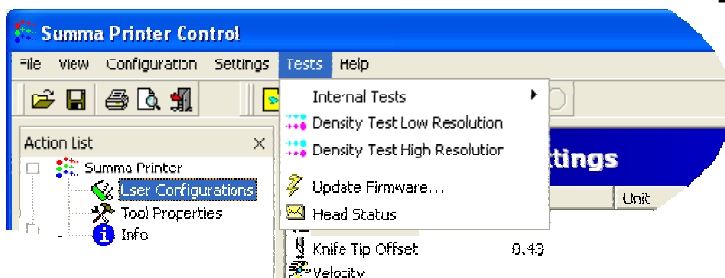
The configuration menu exists out of three parts. First part sets the parameters of the connection. The parameters for the serial can be set independently from the general Window settings. If 'Auto detect baudrate' is checked, then the program tries out all the possible speeds available. With the configuration menu, the language and units of measurement, which Summa Cutter control uses, can be changed. The option menu opens another window with extra options.

4.2.4 Settings menu



The settings menu can be used to display certain cutter parameters on the computer. These parameters can be changed and saved on the computer hard disk, and also in the cutter's memory.

4.2.5 Tests menu



The test menu is used for starting internal tests or updating the firmware of the cutter.

4.3 Tool bars

Summa Cutter Control has three toolbars. The first toolbar is just a copy of the File menu. The second tool bar is a mix of much used commands.



This button opens a window for setting the connection parameters.



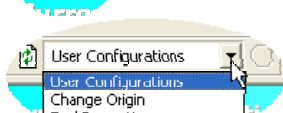
With this button, plot- and test files can be sent to the cutter.



This is the repeat button. Any file that is currently in the memory of the cutter can be repeated a number of times with this command.



The refresh button re-establishes communication with the cutter and refreshes the parameter currently shown on screen.



This is a copy of the action list which can be seen at the left side (see section below).



This icon is only highlighted while Summa Cutter Control is communicating with the cutter. Clicking on it interrupts the connection.

The third toolbar is useful for testing OPOS.



This button opens Acrobat reader (if installed) so an OPOS test file can be printed out on a desktop printer.



This button sends the OPOS test file to the cutter.

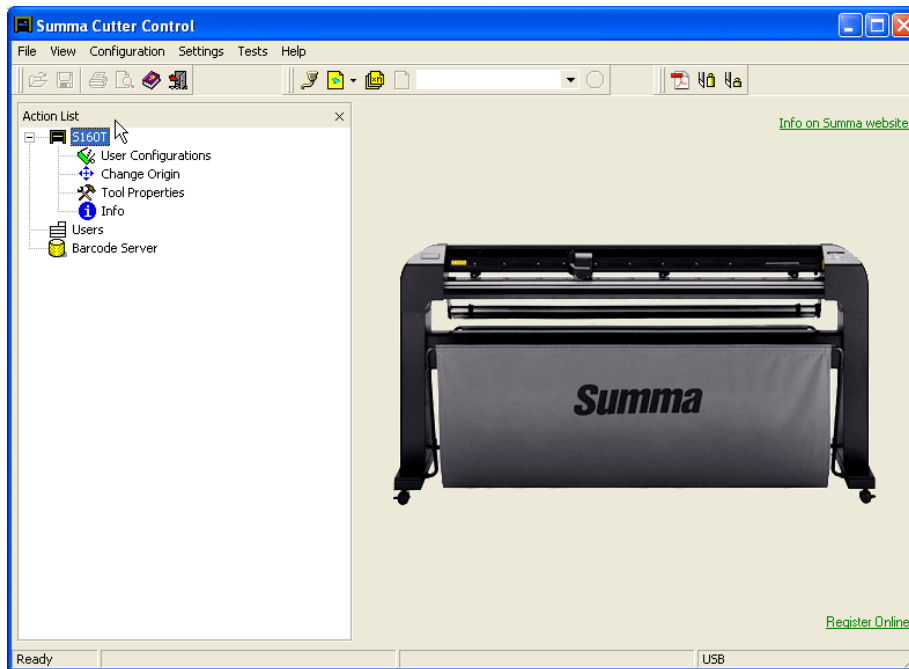


This button sends the OPOS test file to the cutter and also a command to reduce the pressure. Like that the knife can be left in the cutter when the OPOS testfile is printed out on normal paper, it will not cut through.

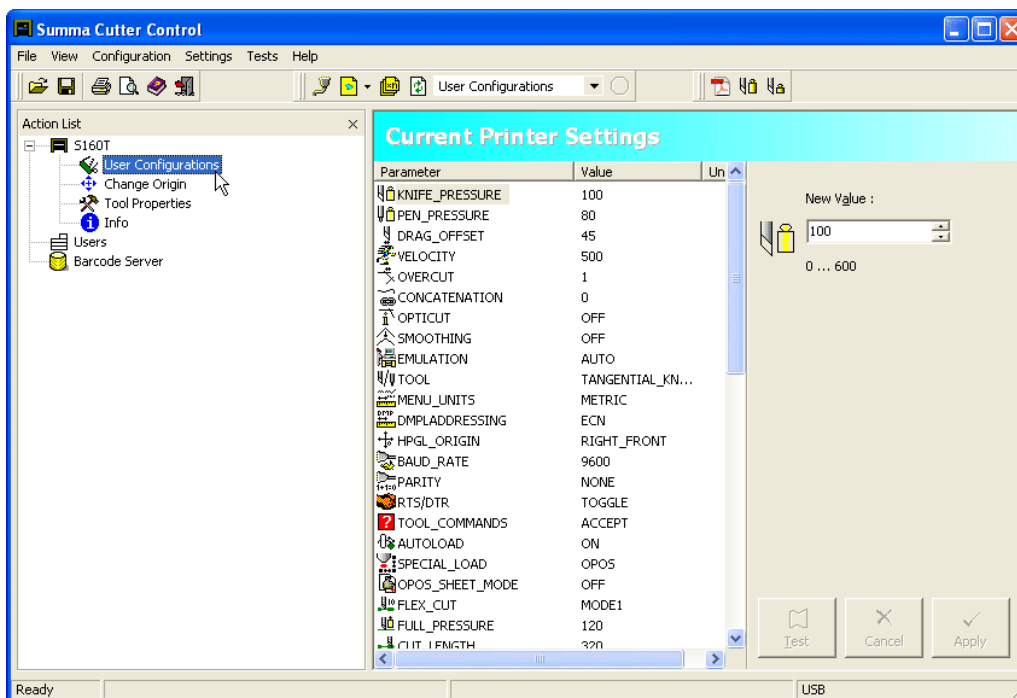
If the shift key is pressed while the OPOS test file is sent to the computer, then an extra option window opens up. This can be used to set the media calibration to its default value (30).

4.4 Action list

The left part of the Window gives an overview of the action list.



4.4.1 User Configurations

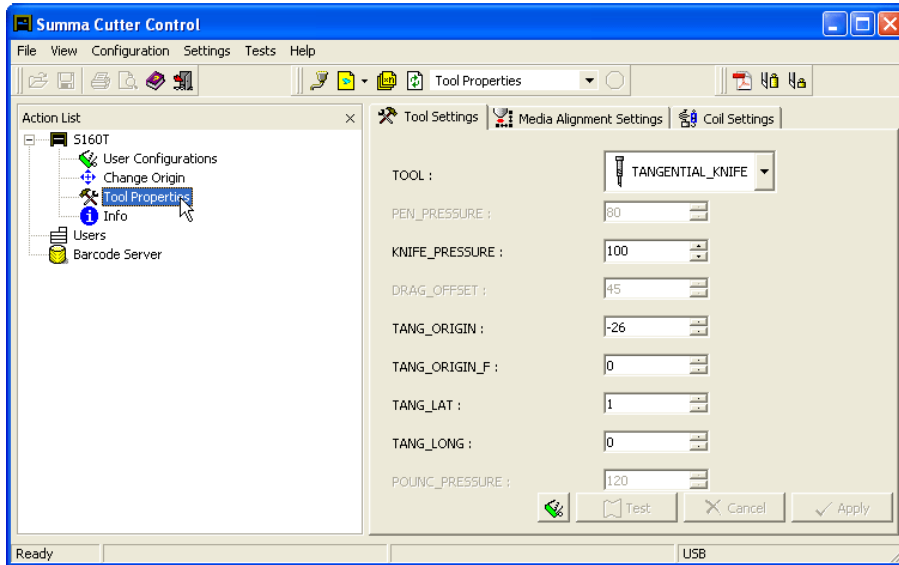


Click on User configuration to have a complete overview of the cutter's parameters. Click on the parameter to change it. Click apply to confirm and send the new parameter to the cutter. Some settings can be tested with a small internal cutter test.

4.4.2 Change origin

This is used for older cutter types which have no screen on the cutter itself to facilitate the changing of the origin.

4.4.3 Tool properties



Tool parameters give a quick overview of the most important tool parameter. Again some of those parameters can be tested out with an internal test to check if the chosen value is correct. The parameters grouped here have a great impact on the cutting quality. Be careful while changing them.

4.4.4 Info

Click on info to have an overview of the cutter model firmware revision and most common parameters.

4.4.5 Users

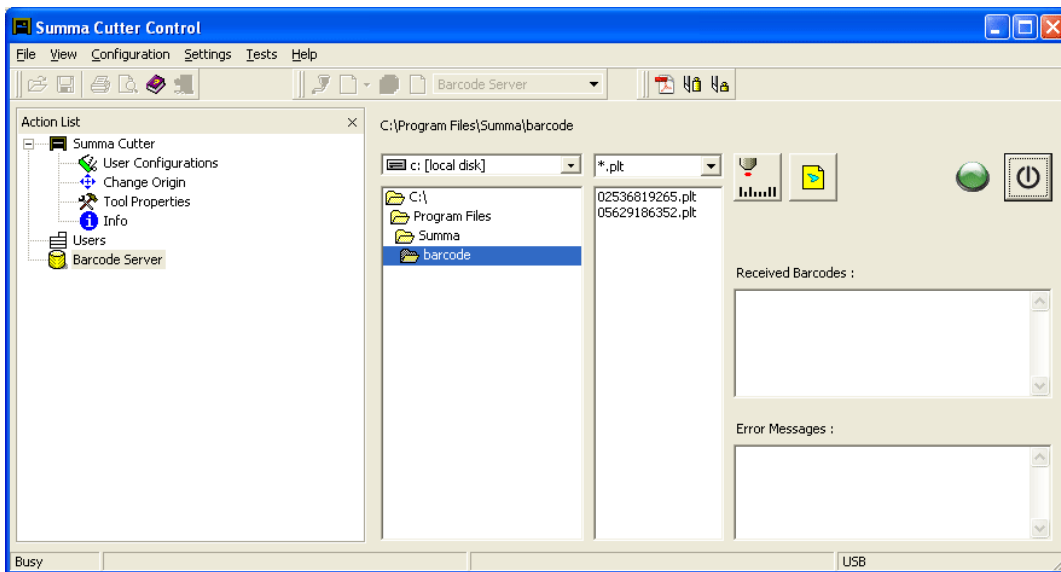
This is used to switch between different user configurations and to change the name of the users on S class cutters.

4.4.6 Barcode

The barcode system is used when several jobs are printed after each other. Each job has a barcode that indicates the jobnumber. After activation, OPOS will start looking for the first job and scan the barcode. The jobnumber will be sent to the computer. On the computer a kind of **'Barcode server'** should be running, polling the port for incoming jobnumbers. On receipt of the jobnumber the software should select the correct contour job and sent the data as a standard OPOS job. OPOS will start scanning the job (with the OPOS information it received in the file) and cut the contours.

Summa Cutter Control is a Windows based utility to monitor all parameters of the cutter from the computer. From version 4.8 on a barcode server is implemented. This can be used for testing. Click on the barcode icon or start the loading from the control panel.

Make sure the plot files are in the correct directory.



Test files for OPOS are set on the hard disk. These tests can be printed on a normal A4 sheet with a desktop printer. Set the knife pressure to +/- 10gr to test or use a pen for quick reference.