# Guide of Connection between Artcut 2009 and Rheinstern LB-Series

## 1. Change the Configuration File

In Artcut 2009 there is a configuration file Cutter.cfg which defines the drivers for every plotter. If you can not find the plotter Rheinstern LB-Series from the device list, please download the file from the web page www.rheinstern.com/download_en.html and change it with the existent in the Artcut 2009 program folder.

To check if the Rheinstern LB-Series exists in Artcut 2009 configuration file, please start Artcut 2009. From menu bar of Artcut 2009, click *File -> Cut/Plot… -> Device* (Fig. 4). As soon as "Rheinstern" doesn't appear in the list of the manufactures, you have to update the configuration file.

Copy the new Cutter.cfg to the directory "Artcut2009" \prog\english. The directory "Artcut2009" is the root directory where the software has been installed (Fig. 1).

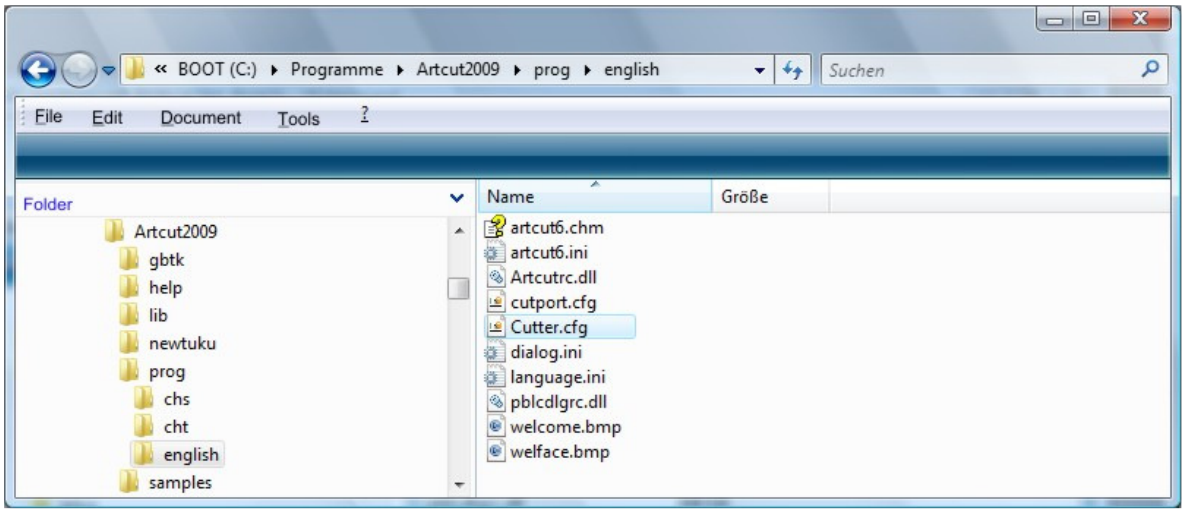


**Fig. 1**

## 2. Selecting the Plotter from the Device List

For the first time to cut the graphic from Artcut, you should select your plotter from the device list in Artcut. It is possible to select different plotters to build up your own device list.

Start Artcut, click the *File -> Cut/Plot*… from the menu bar. (Fig. 2).

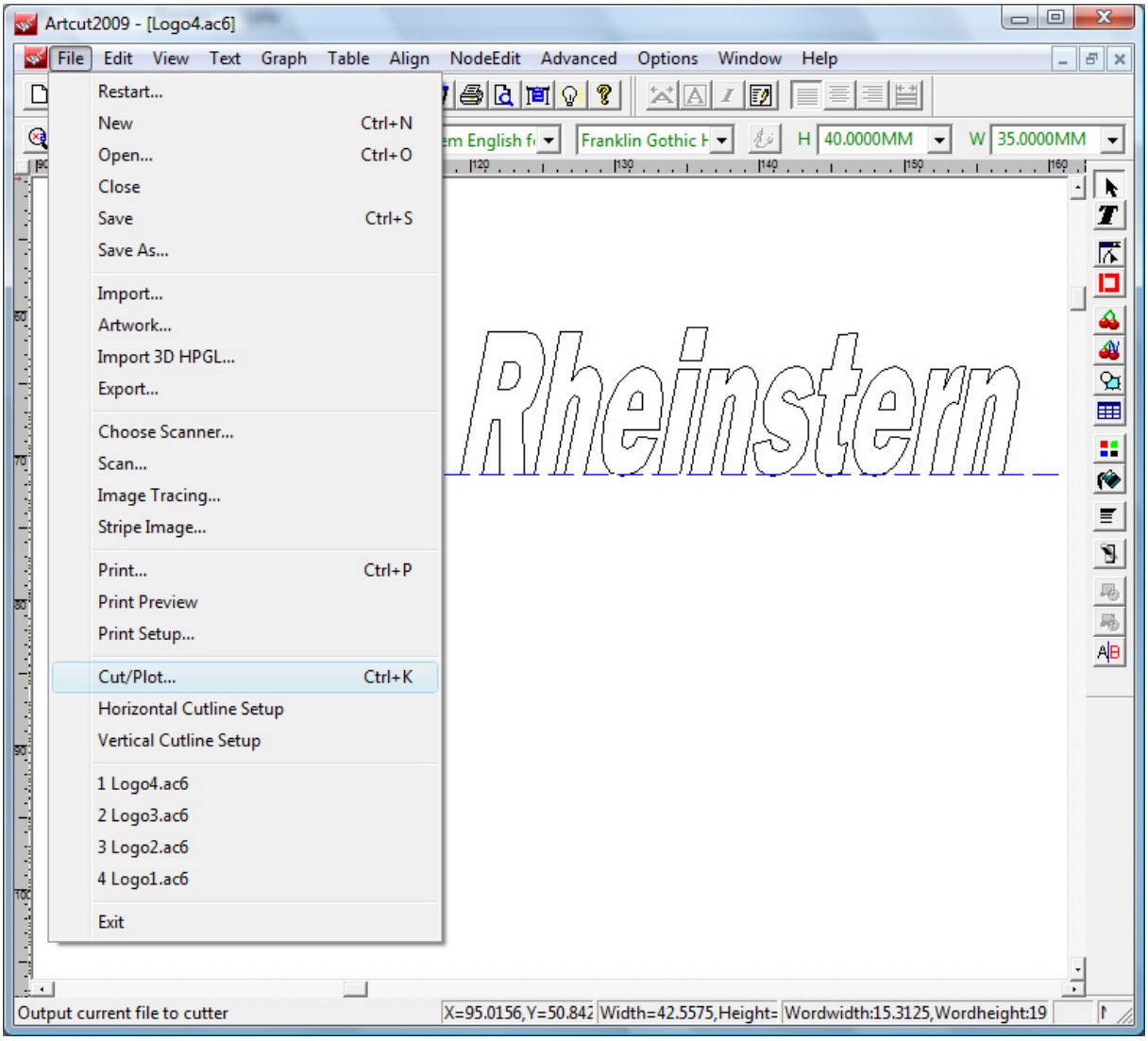


**Fig. 2**

From the dialog window “Cut/Plot” (Fig. 3), click the left button of Device. Now the Rheinstern LB-Series can be selected as illustrated in the Fig. 4. Click *Add -> Close* to save the plotter to your own device list.

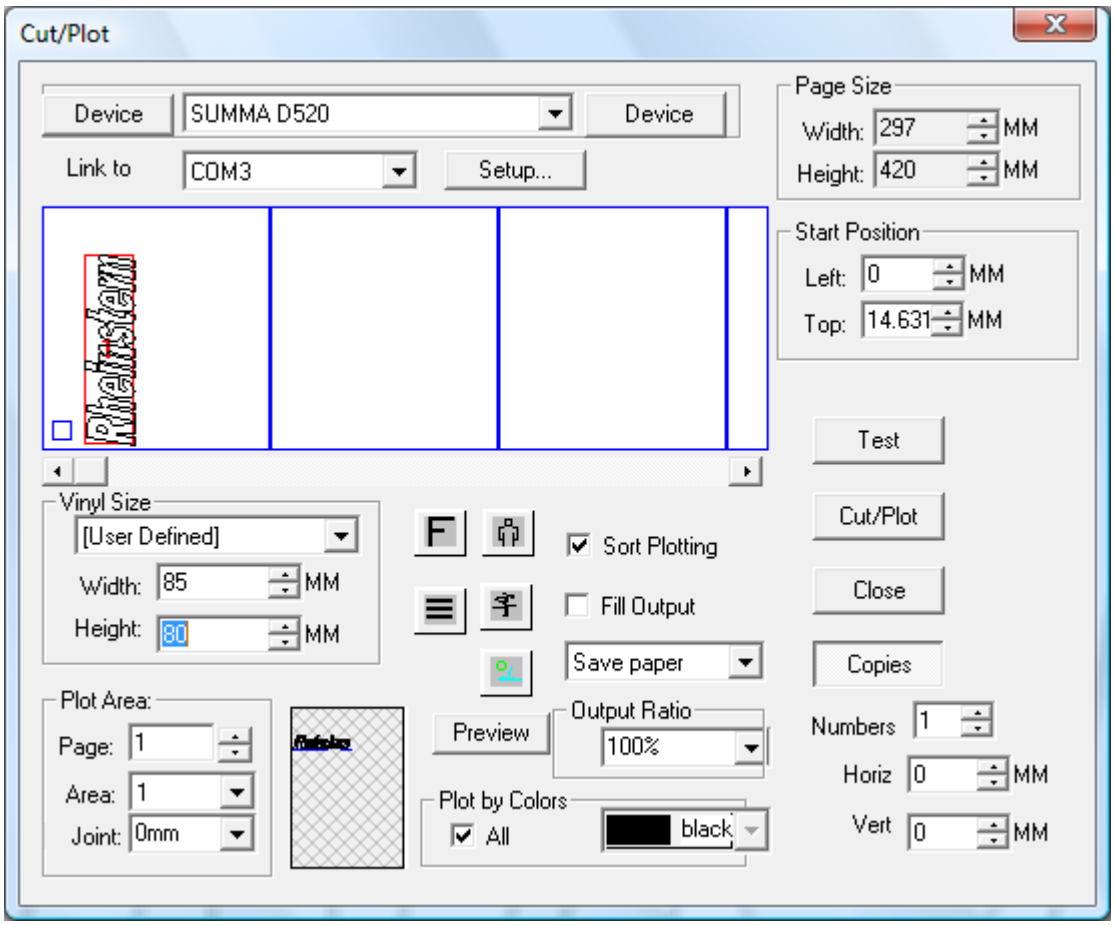
Cut/Plot
Device
SUMMA D520
Device
Link to
COM3
Setup...
Page Size
Width: 297 MM
Height: 420 MM
Start Position
Left: 0 MM
Top: 14.631 MM
Test
Cut/Plot
Close
Copies
Vinyl Size
[User Defined]
Width: 85 MM
Height: 80 MM
Sort Plotting
Fill Output
Save paper
Plot Area:
Page: 1
Area: 1
Joint: 0mm
Preview
Output Ratio
100%
Numbers 1
Horiz 0 MM
Vert 0 MM
Plot by Colors
All
black

**Fig. 3**

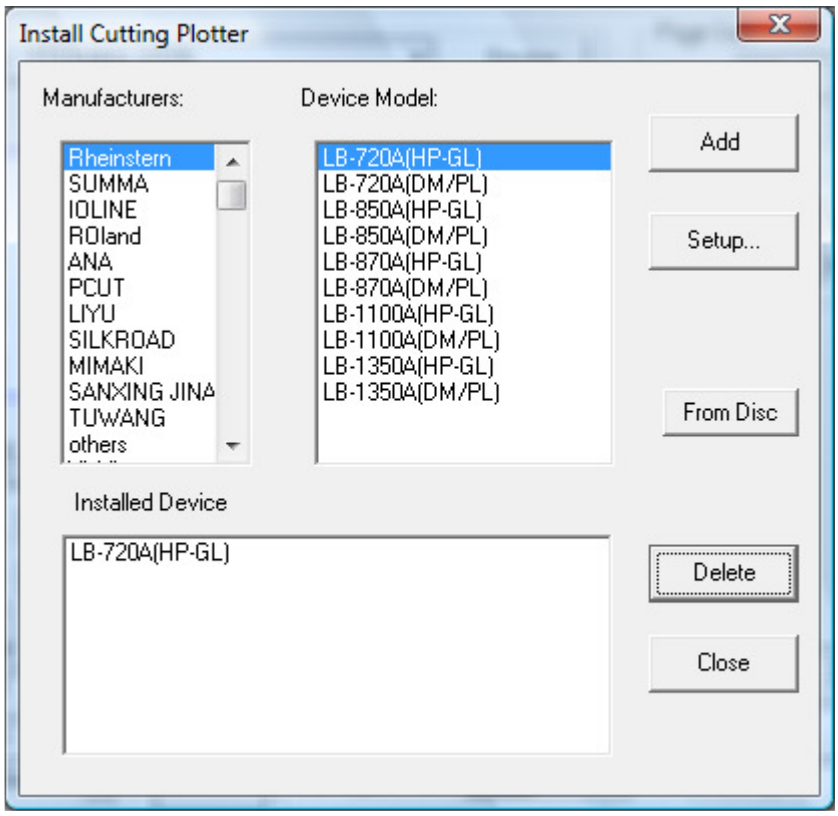


**Fig. 4**

## 3. Connection via USB-Port

If your plotter will be connected using USB-Port, some settings should be done before the potting.

The USB driver which has been installed on the computer uses a virtual serial port in Windows. The data transmission between PC and Plotter will be based on this virtual serial port. In Windows Device Manager you can find this port. Therefore the plotter should be connected using the USB cable and then turn the plotter on. In Windows, click *Start -> Control Panel -> Device Manager.* In Device Manager click *Ports*. The new port *USB Serial Port (COM3)* is the virtual port and the port number is 3. The port number changes with the new installation of the USB driver.

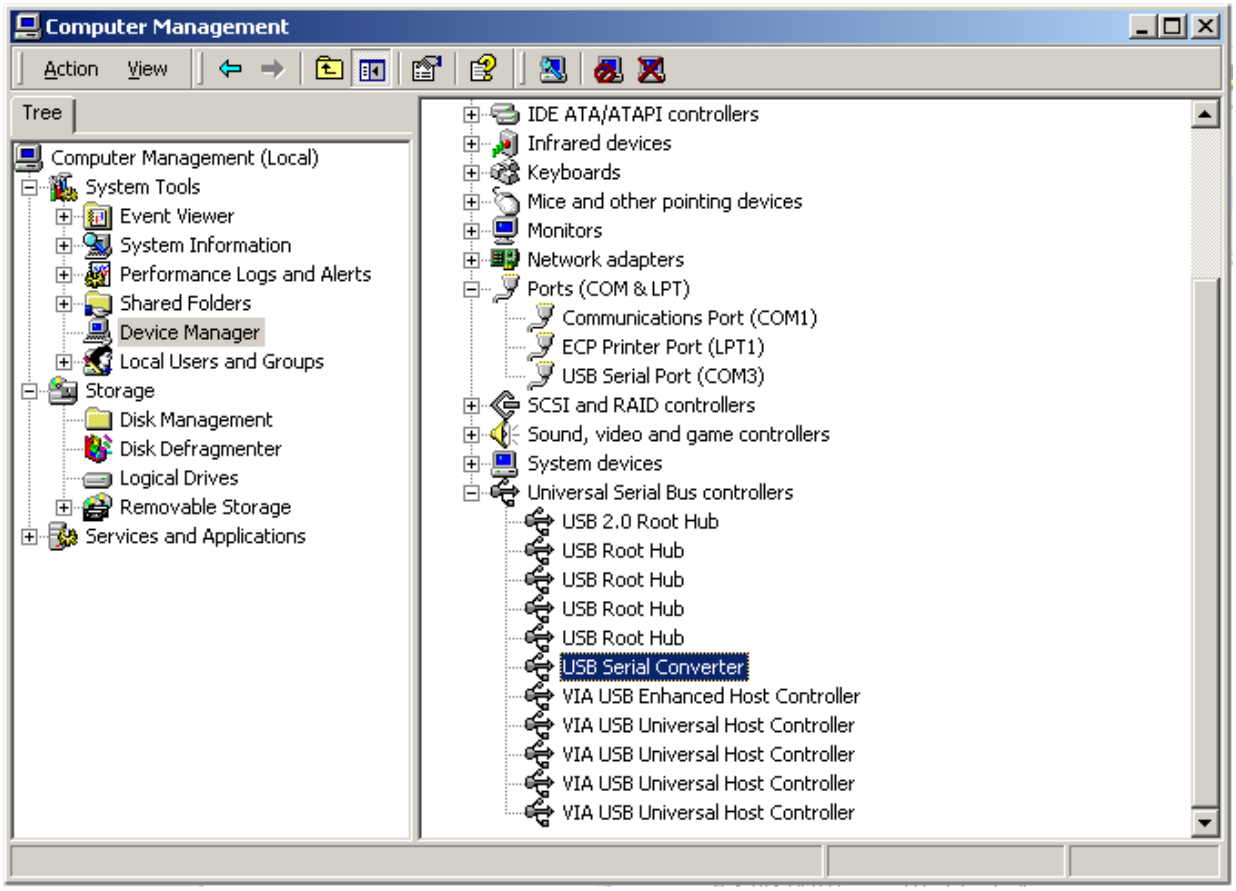


**Fig. 5**

Close the *Device Manager* in Windows and go back to Artcut 2009. In the window “Cut/Plot” click *Setup…* (Fig. 6).

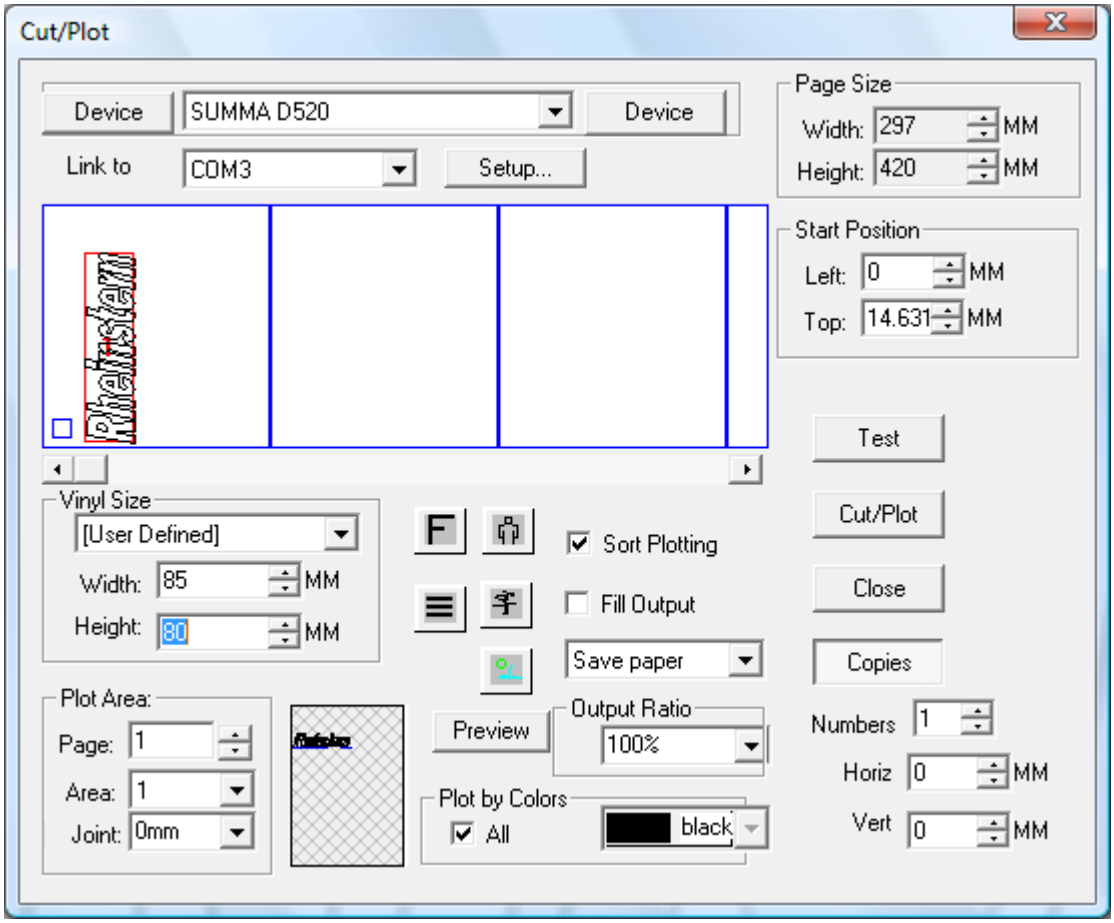


**Fig. 6**

In the new window “Port Setting”, change the *Installed Ports* to COM3. If the port COM3 doesn’t exist, you have to create a new COM3 in the port list. This can be done through change a exist one, e.g. COM2 or add a new one to the list. The steps for addition of a new port will be described as following.

Select the COM in the radio box “Type of Ports” and give the number *3* in the field *Port No*. The number 3 means the virtual port number. Click the Button *Add* (Fig. 7). Now the new port COM3 exists in the list of Installed ports.

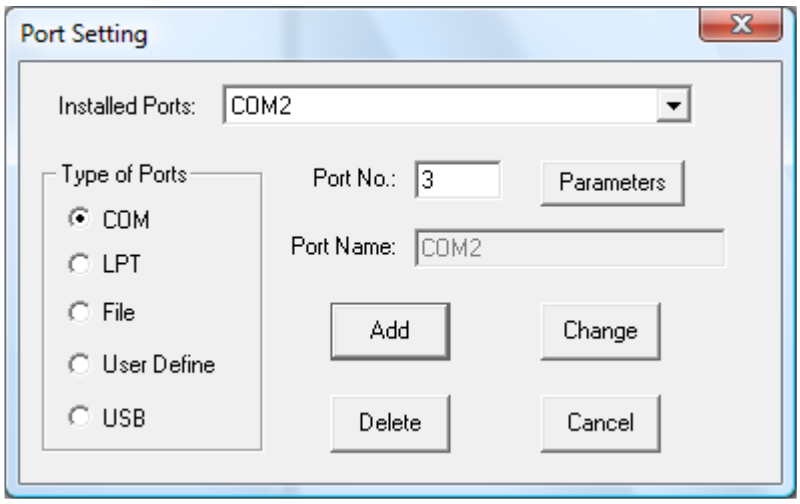


**Fig. 7**

Click the button *Parameters* to setup the parameters for the data transmission of the port COM3. The parameter should be the same as in the Fig. 8.

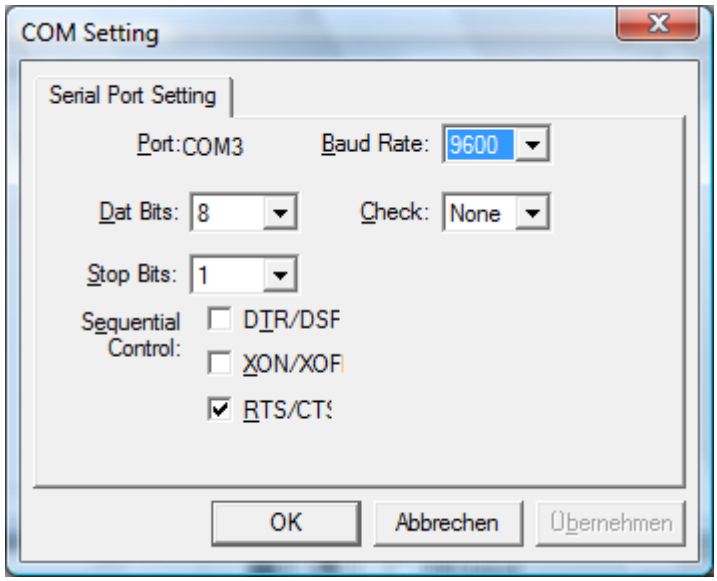


**Fig. 8**

Click *Ok* in the window “COM Setting” and then the button *Change* in the window “Port Setting” (Fig. 7) to save the parameters. The window window “Port Setting” can be close through the button *Cancel* or the close button “*X*”. The virtual port COM3 is ready for data transfer. In the window “Cut/Plot”, click the button *Cut/Plot* (Fig. 6), a new window “Output To Cutter” appears, select COM3 from the *Port*, then click *Start*, the data will be transferred to the plotter (Fig.9).

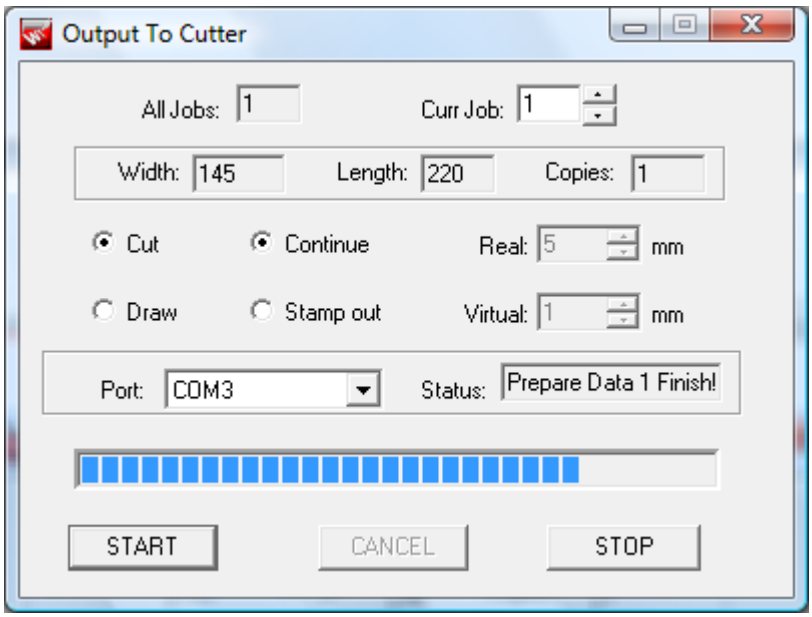
Output To Cutter
All Jobs: 1
Curr Job: 1
Width: 145
Length: 220
Copies: 1
Cut
Continue
Real: 5 mm
Draw
Stamp out
Virtual: 1 mm
Port: COM3
Status: Prepare Data 1 Finish!
START
CANCEL
STOP

**Fig. 9**