

GUIDELINES FOR SET UP OF PROMACUT PC-430L

1 - MATERIAL SETTINGS



LOADING OF VINYL :

- 1 – Place the plotter on a flat and stable area
- 2 – Assembly the roll holder by encasing the 4 elements to obtain this :



- 3 – Fix the roll holder to the back of the plotter :



- 4 – Put the vinyl on the roll holder and load the vinyl from the back of the plotter and place it as straight as possible to avoid any movement
- 5 – Place the pinch rollers at the left and right ends side of vinyl by leaving approximately 1 cm of margin outside the rollers like below :



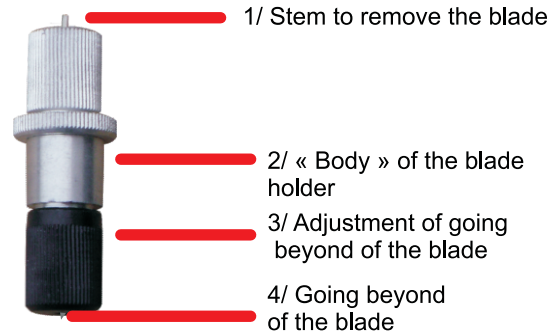
- 6 – Close down the rollers by raising the levers located at the back :



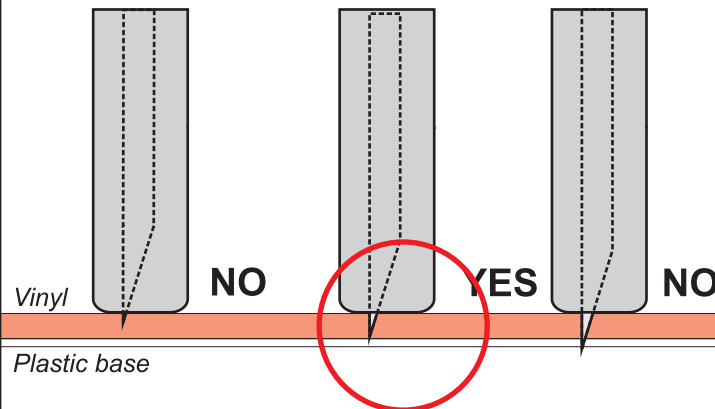
BLADE INSTALLATION :

- 7 – To install a blade on a blade holder, just press the metal stem located on the top (1) to make bring out the blade (4) and be able to remove it. Make slip a new blade in the place of the old one, side slicing downwards, then to screw/unscrew the cap (3) in a more or less important way according to the blade going beyond which one wishes to obtain (4).

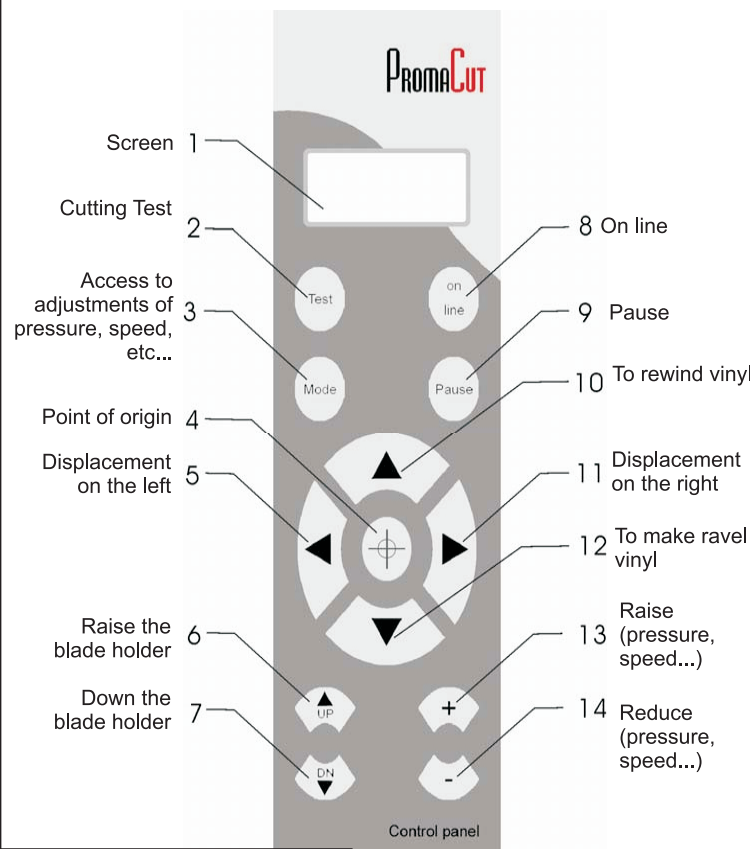
Think of opening the cap of the plotter to be able to remove/install the blade holder (see below).



- 8 – The blademust slightly overtake the blade holder. It shouldn't exceed the vinyl thickness and the liner to be cut. Be careful to respect this condition if you don't want to wear your blades.

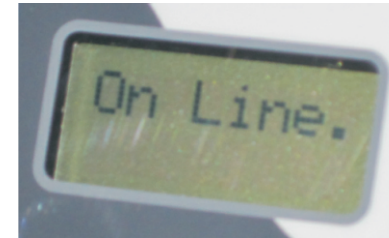


CONTROL PANEL :



USE OF THE CONTROL PANEL :

- 9 – When the plotter is lit, it initializes then the screen posts "On Line".



- 10 – The state "On Line" indicates that the plotter is ready to cut, all the keys of the keyboard are then deactivated except the key "on Line" which allows to reach the many adjustments available on the plotter.

- 11 – **IMPORTANT** : so that the plotter can communicate with the PC and launch cuttings, the screen must obligatorily shows "On Line".

POINT OF ORIGIN

- 12 – Press "On Line" so that the screen shows : "X+0.00 - Y+0.00".

Move the blade thanks to the keys (◀, ▲, ▶ & ▼) till the place desired for the beginning of cutting knowing that the plotter cuts from the right to the left side.

Press on to validate the point of origin : cutting will start exactly on the place where the blade is, the screen shows again "X+0.00 - Y+0.00".

Press "On Line" to be able to cut, the screen shows "On Line".

PRESSURE ADJUSTMENT & CUTTING TEST

- 13 – Press "On Line" so that the screen shows : "X+0.00 - Y+0.00".

Press on "Mode", the screen shows : "Press + 100 -"

- 14 – Press on the keys + & - to raise / reduce the pressure. Start with a low pressure (+/- 70) not to be likely to transpierce the vinyl.

- 15 – Press on « Test » : the plotter cut a rectangle.

- 16 – Press on the key ▼ to advance a little bit the vinyl to be able to check that the cutting test can be peeled correctly.

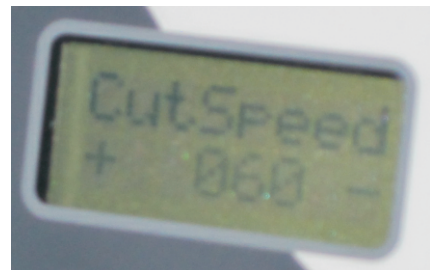
- 17 – If the test is not conclusive, define a new point of origin, then press on Mode to increase/to reduce the pressure according to the cases. Press again on Test to carry out a new test.

Repeat these stages till to obtain a satisfactory cutting.

ADJUSTMENT OF THE SPEED :

- 18 – Press "On Line" so that the screen shows : "X+0.00 - Y+0.00".

Press on "Mode", till the screen shows :



- 19 – Press on the keys + & - to raise / reduce the speed, do not go over 60. Then press on « Mode » till the screen shows "X+0.00 - Y+0.00" then on "On Line" to be able to cut, the screen shows "On Line".

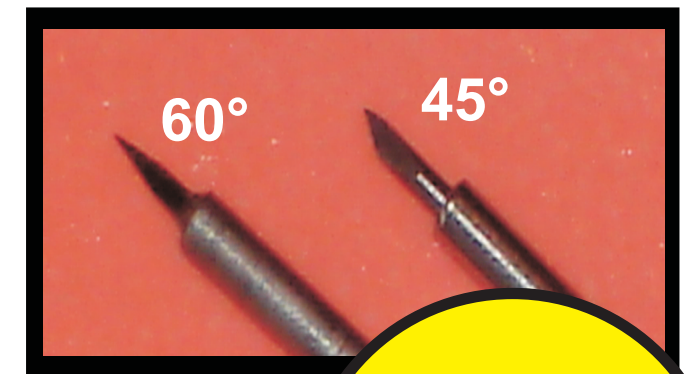
BLADE CHOICE :

- 16 – There are 2 different kinds of blades for PROMACUT plotters :

- **45° blades** : for thin material cuts

- **60° blades** : for thick materials or extra thin cuts**.

****The 60° blades are more sharpened, thinner and more breakable. So, it is important to respect the adjustment of the blade as explained before.**



Open the cap to install the blade holder

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GUIDELINES FOR SET UP OF PROMACUT PC-430L

2 - SOFTWARE SETTINGS

USB DRIVER SETTING :

- 1 – Desactivate any anti-viruses or application programs that could interfere with the setting of a new software.
- 2 – Insert the "Driver USB" CD provided with the plotter and open it
- 3 – Double-click on "USB DRIVERS" (see below), a black windows appears and indicate the installation launching. When this window disappears, the driver is installed : **restart** the computer.

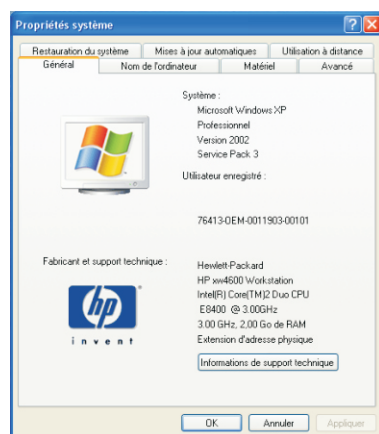


USB Drivers
2.04.16.exe

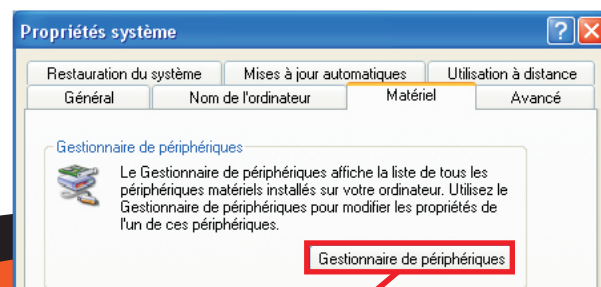
- 5 – One time the computer restarted, connect the plotter with the USB cable provided then turn it on. On the right bottom of your screen, a message "new material detected..." appears, a few moment after, another message indicates the end of the installation



- 5 – Click right on « My Computer » and choose "Properties" (under XP). It's also possible to go through "Start -> Set up -> System".
if your PC is under Windows VISTA, go to "Start -> Set up -> Device driver" and go directly to the step 7.

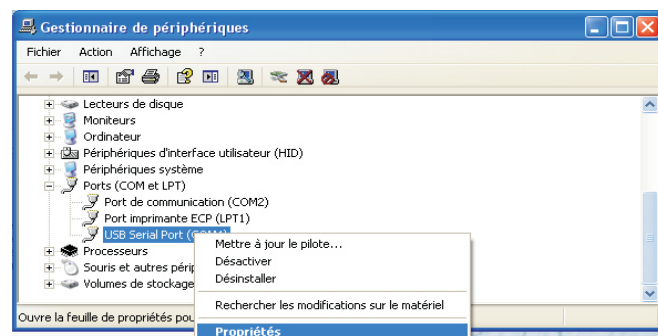


- 6 – Go in the tab "Material" and press on "Device driver" :

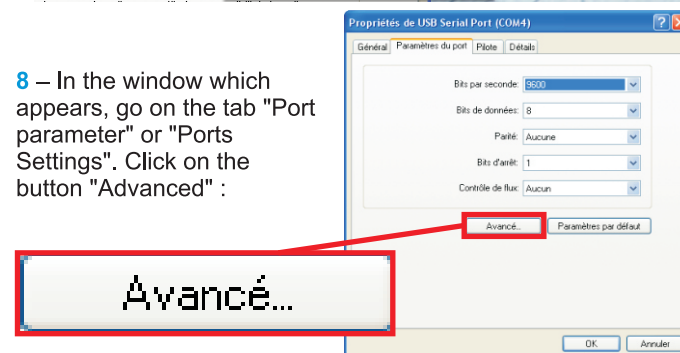


Gestionnaire de périphériques

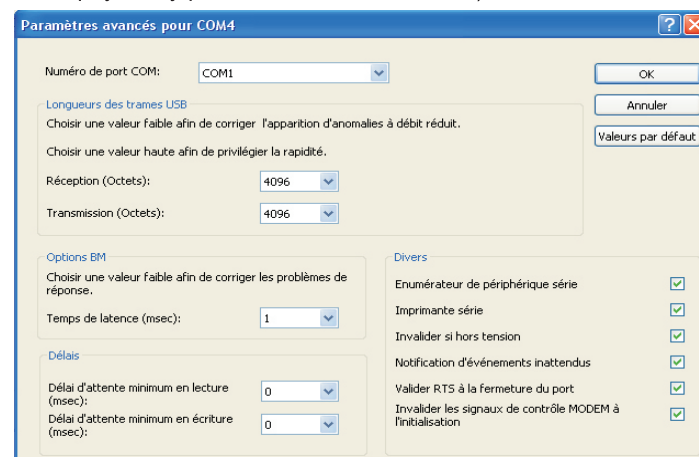
- 7 – In the material list, click on "+" located on the left "Ports COM and LPT", then click right -> "Properties" on the port named "USB Serial Port (COM??)" (?? representing an unspecified number) :



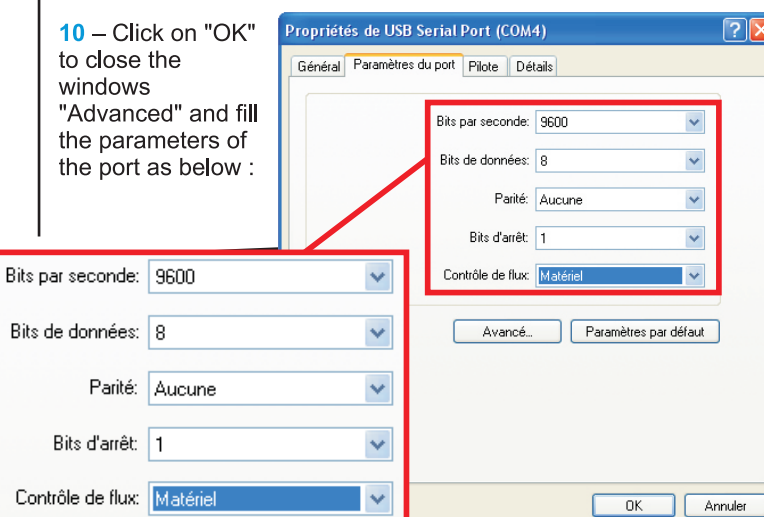
- 8 – In the window which appears, go on the tab "Port parameter" or "Ports Settings". Click on the button "Advanced" :



- 9 – Fill the following window like below. CAUTION : if the actual number is neither COM1 either COM2, it is then necessary to change it and allot the n°1 or 2 to it (do not use the n° of a port series physically present on the PC, "in use").



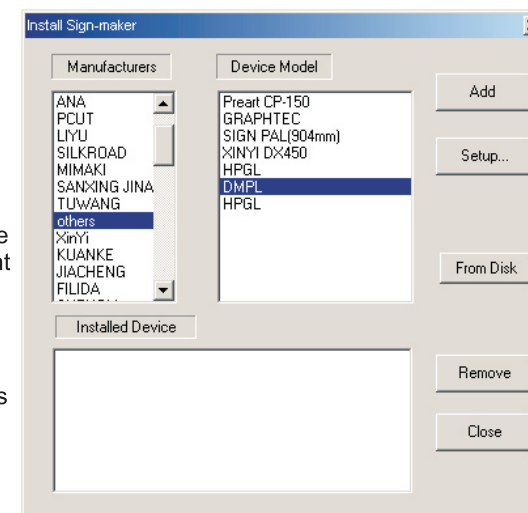
- 10 – Click on "OK" to close the windows "Advanced" and fill the parameters of the port as below :



- 11 – Click on OK to validate, close the windows and **restart** again the PC to take into account the modifications.

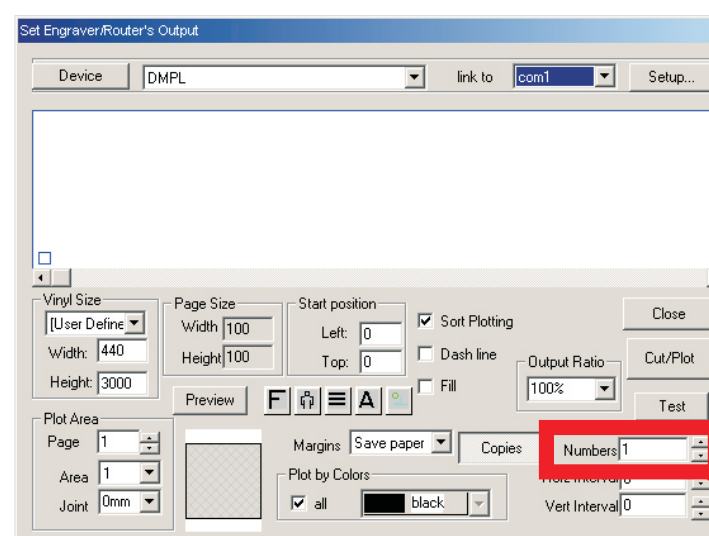
ARTCUT SETTINGS

- 12 – Install ARTCUT (see first page of the ARTCUT manual).



- 13 – Launch ARTCUT, create a new document and go to the menu "File -> Cut / Plot...". The following window appears :

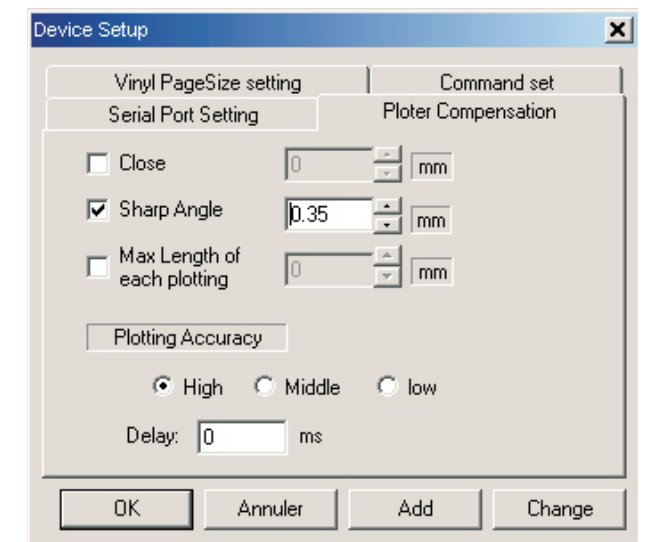
- 14 – Select "others" in the left column ("Manufactures") and "DMPL" in the right column ("Device Model") as below. Then press on the button "Add" to add this setting to the list located above the window ("Installed Device") then on the button "Close" to close this window. The following window appears :



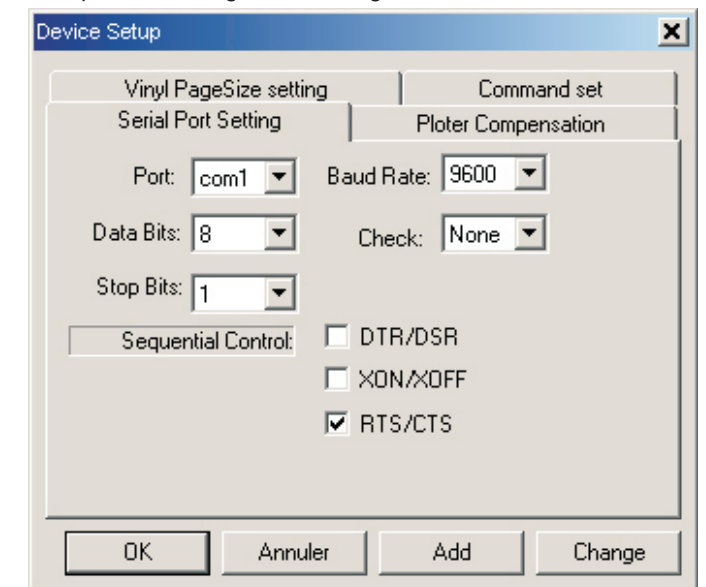
- 15 – In "Link to", at the top on the right of the window, select the port number which has been set (COM 1 or COM2) and press on "SetUp..." :



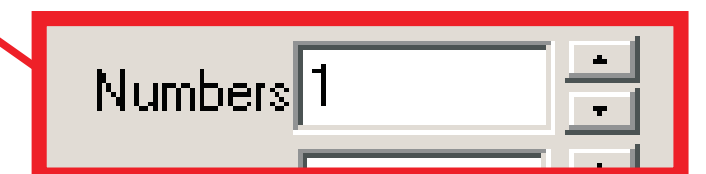
- 15 – Go on the tab "Plotter Compensation" and fill it as below :



- 16 – Go on the tab "Serial Port Setting" and fill it as below, only the field "Port:" must be adapted according to the setting : COM1 or COM2.



- 17 – A manual is dedicated of the use of ART CUT : please do refer to it. Be careful : Avoid to use the function of copy in the cutting panel of ART CUT. Indeed, the plotter will carry out an unfolding of matter at the end of the cutting proportional to the number of copies required in this field (the other shapes of copies not posing any problem) :



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