



ESC60 Quick Start

Thank you for your purchase of the **ESC60** Stencil Cutting Machine! Please follow these instructions, as this will get you ready to use your stencil cutting machine.

If you have a question during set up or while cutting stencils, please call our Tech Support department. Phone # is 618-343-1006, ask for ESC60 Tech Support.

To download your DRAW CUT software, please refer to your software voucher card. You will be asked to enter your voucher number (*not the serial number*) and email address when initiating the download. Your software license will be sent to the email address you enter so make sure you are able to access this email address. You will need this 26-digit license code to finalize your installation.

After you have assembled the stand, mounted the stencil cutter, installed the software, and checked to see it is operational - there are some settings that need to be changed within the software. This software is sold all over the world so some settings are in mm and need to be changed into inches. Please call if you need help!

Please open the software. On the top menu click on TOOLS. Go down to SET DEFAULT UNITS.

- ❶ Click on the General tab to make your setting changes. Begin by setting DEFAULT UNITS to INCHES. (IN)
- ❷ For TEXT UNITS select CURRENT UNITS.
- ❸ Go to the SNAP tab, within this tab select ON for GRID, GUIDES, OBJECTS and PAGE by checking the boxes.
- ❹ Go to the DISPLAY tab, next, and Click on DISPLAY OPTIONS. Select ON for all items except CURVE FRAME.
- ❺ Still under the DISPLAY tab, click on GRID SETTINGS. Make GRID X & Y 1 INCH.
- ❻ Go to the PAGE SETTINGS tab, and make the WIDTH 24 INCHES and HEIGHT 12 INCHES. Note: this can be changed to whatever size you want. This is a good starting point. This adjustment is for the box that is on the work area screen. Also go down to BORDER and check ON.
- ❼ Go to the TEXT tab, next. You can now choose your DEFAULT FONT. STENCIL GOTHIC BOLD is a good one to start with.
- ❽ Still under TEXT go to DEFAULT POINT SIZE. On the Work Area screen at the top you will see 2 stacked boxes. The top box is a "A" this stands for Typographic Size and the bottom box is a "T" and this stands for Physical size. The Typographic size is Upper Case and Lower case letters together and will take into account the total size of the letter from the top of a character to the bottom of a character including in the case of a lower case "y" or "j". The Physical size is the letter size you are wanting. So if you want to cut the word "Very" in a 1" letter, the overall size (typographic size) would be 1.390". But if you wanted to cut "VERY" in all caps the size would be 1". This is a little confusing, please call Tech support if you need help with this.

NOW CLICK "OK" TO SAVE ALL YOUR CHANGES!!

Setting up the cutting blade

Let's set up your blade. You have a blade holder that came with your supplies. Unscrew the black part from the silver and brass adjusting ring. Take your blade out of the package, take off the protective rubber piece and insert the blade into the blade holder with the blade point out. Now screw the pieces back together. While you are screwing it back together look for the blade coming out of the hole in the blade holder. It is set correctly when you can carefully rub your finger across the blade and just barely feel it, approximately 1/32". Now install the blade holder into the machine. Once installed make sure your thumb screw is tight.



DRAW CUT software tutorial for Cutting a Stencil.



1. Open your DRAW CUT software.
2. Go to the left hand corner under the word FILE you will see NEW DOCUMENT, please click.
3. A 12" x 24" box (WORK BOX) will open on the screen. Now on the left TOOL BAR click the A and then click ARTISTIC TEXT. Go over to the WORK BOX and click, you will now have a blinking cursor please type "TESTING" in Upper Case letters.
4. Above your WORK BOX on the left you will see the double stacked boxes "A" & "T", In the "T" box change to 1.00" this will be the letter height of you're the text for your "TESTING" stencil. All stencils to be cut must be inside the WORK BOX. This area size can be adjusted for larger stencils, but you should keep the width at 24" because this will be the size of your material.



Control Panel

5. When selected, there should be 8 little boxes around your text. Make sure your machine is turned on. Make sure you have the stencil material loaded in the machine. On the top of the machine is your control center. The left and right arrows move the cutting head to the left and right and the top and bottom arrows move your stencil material back and forth. Please have the cutting head set to the right side approx. 1" over on the stencil material. Note: when installing the stencil material, you need to make sure the wheels that pull the stencil material through are lined up within the white marks above them.

AGAIN, CALL IF YOU NEED HELP 618-343-1006

6. On the control center you will need to adjust your SPEED to approx. 200mm/s to start out. Note there is a PAUSE button that can be pushed at any time during cutting that will stop the machine. When pause, click OK to restart cutting with the machine. To test if your blade depth is set correctly, push the TEST button to run a test cut. Settings for Express Cut and Oilboard are listed below:

Express Cut - Speed: 200, Force: 50 - 65, Overcut: 0.05, Blade offset: 0.30 - 0.40, Blade type: 60 degree blade "R", Blade depth (blade showing): 1/32"

Oilboard .011" - Speed: 200, Force: 1 pass / 300 - 315 or 2 passes / 155 - 160, Overcut:1.50, Blade offset: 0.50 - 0.60, Blade type: 60 degree blade "R", Blade depth (blade showing): 1/32"

7. Once all of your settings are set on the machine, go back to the computer and click on the BLADE HOLDER (cut, plot & engrave tool) at the top above the WORK BOX. Now a new window will open up. Under the GENERAL TAB check ADVANCE AFTER PLOT. If cutting Express Cut, check AUTO WEED BOX to create a border around your text. If cutting Oilboard, DO NOT check the AUTO WEED BOX. For now, leave ROTATE unchecked. If you decide you want to cut the other direction at a later time, you will need to check it. Now under the CUTTER CONTROL TAB set the Blade Offset between 0.30 - 0.40 for Express Cut or 0.50 - 0.60 for Oilboard. If cutting Express Cut, click the SETTINGS TAB in WEED BOX OFFSET and set it to 1.5". These are the most common settings and a great place to start. Now that you have selected your settings, you will not have to do it again unless you want to change something.

8. **You are ready to cut!** On the machine CONTROL CENTER push OK. Go to the software and click CUT NOW. Your "TESTING" text with 1" letters should be cutting. After it is cut go to a corner of your weed border and peel the stencil from the backing. If you are cutting Oilboard, make sure that the blade has cut all the way through the material. If your stencil did not cut deep enough you will need to pull out the blade holder and adjust so a little more blade is showing and retry. Once this is adjusted you will be good to go. Please let us know if we can be of help.

Please call if you need help. 618-343-1006

Thank you very much,

