User Guide: Epilog 40 Fusion Vector

Physical Setup

Turn the power on

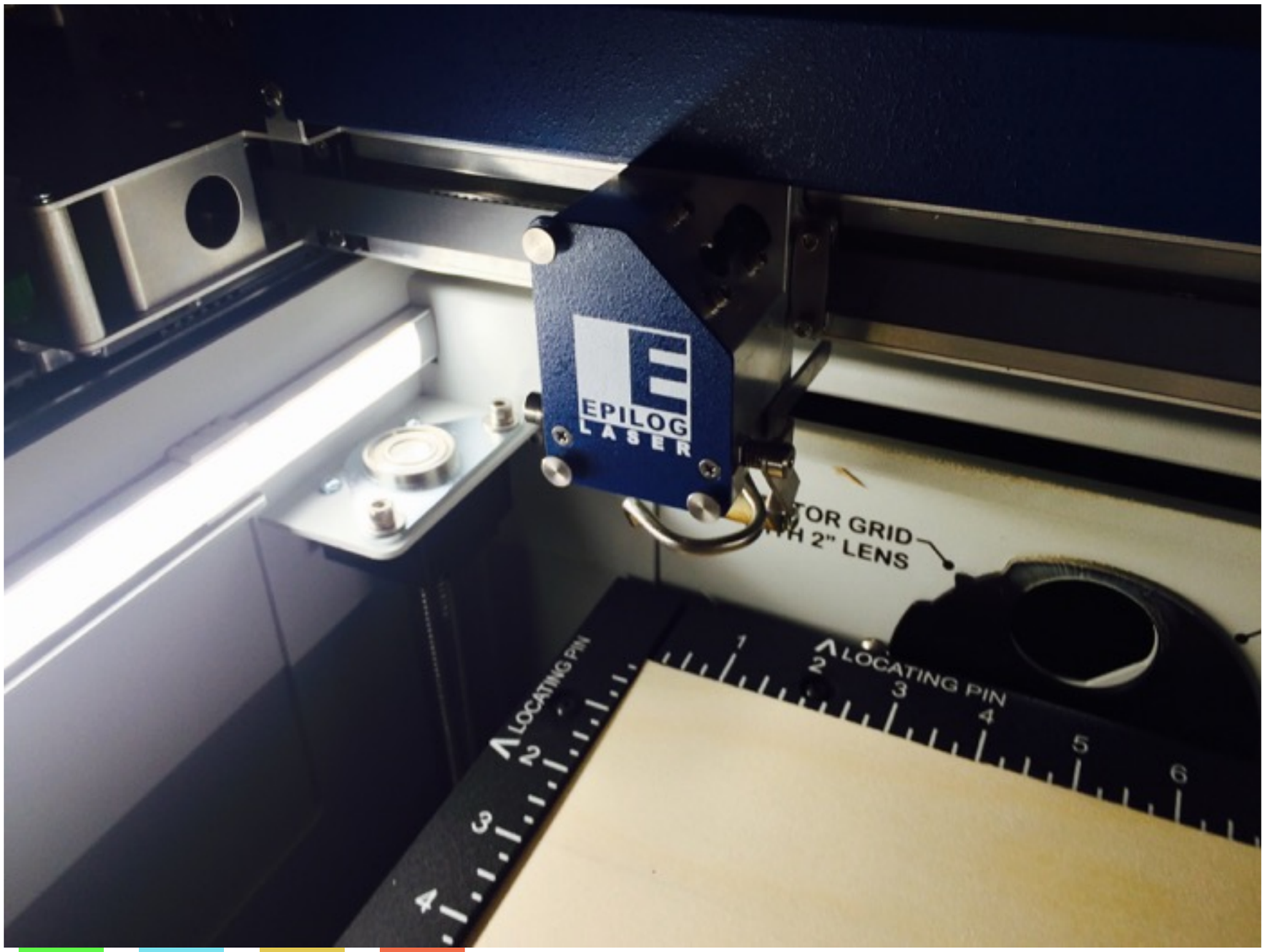
1

2

Wait for the cutter to initialize

Do not open the lid until the display shows: Job

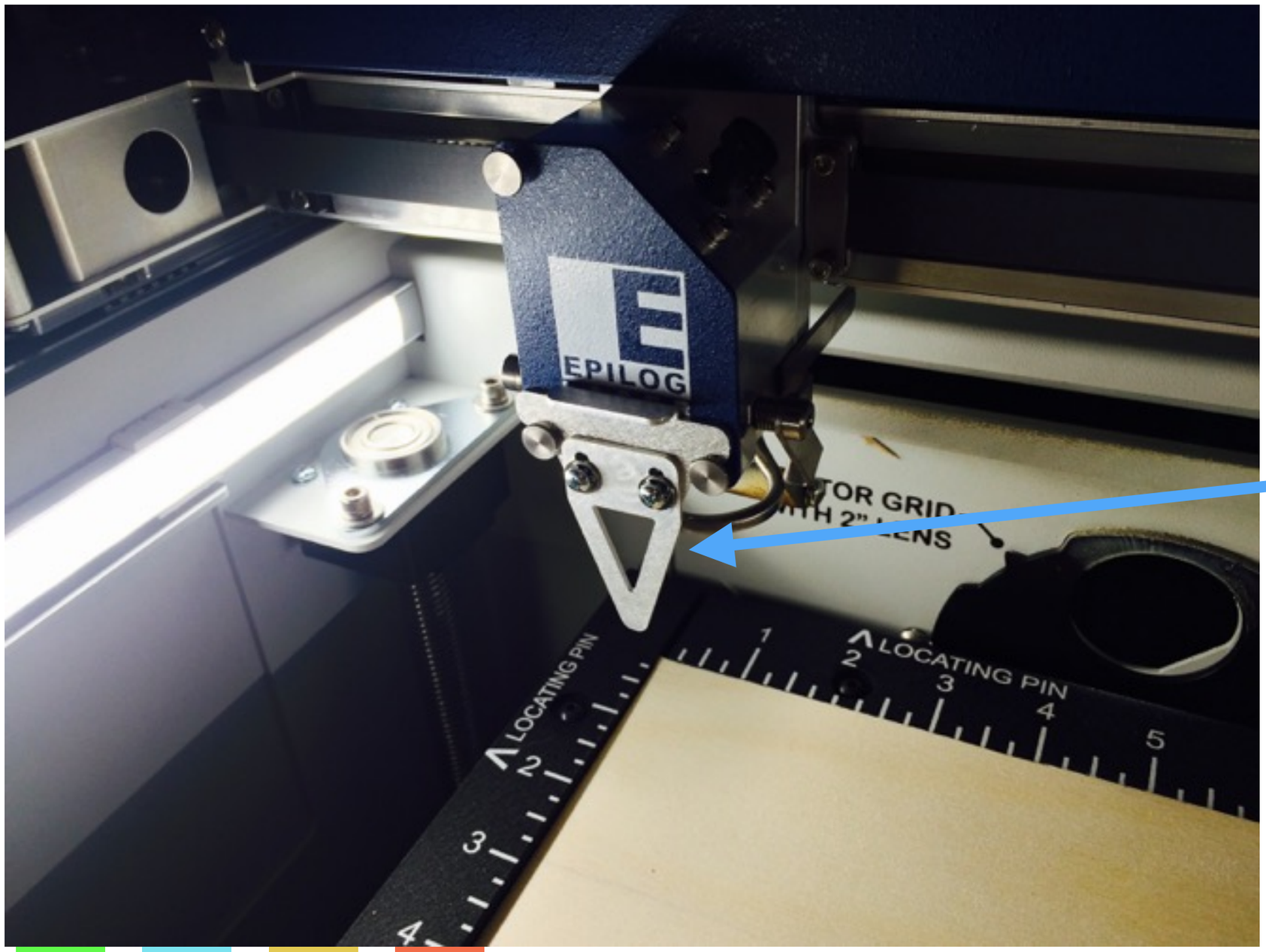
Place your material



Now open the lid, and place your material on the honeycomb bed.

0,0 (home) in the epilog cutter is the top-left corner.

Set focus height



Put the height calibration piece on the cutter head.

Remember where you found it…

Set focus height

Switch to the focus menu

Now adjust the height of the material by pushing the **joystick** up until the material barely touches the calibration piece.
To store the heigh, press the joystick knob (as a button)

NOTE: The lid must be closed when the Laser Cutter is in operation. ALSO when setting focus etc.

“Prime” the laser

If the laser has been idle for some time (1 day +) it needs to be primed.
To do this:

1. Switch to the “Jog” menu.
2. Move the laser head to the edge of your material (some material you can spare)
3. Press and hold the “White” laser button.
4. Move the Joystick around until the laser cuts into the material.
5. Now the laser has been primed.
6. Move the laser head back to 0,0

Software Setup

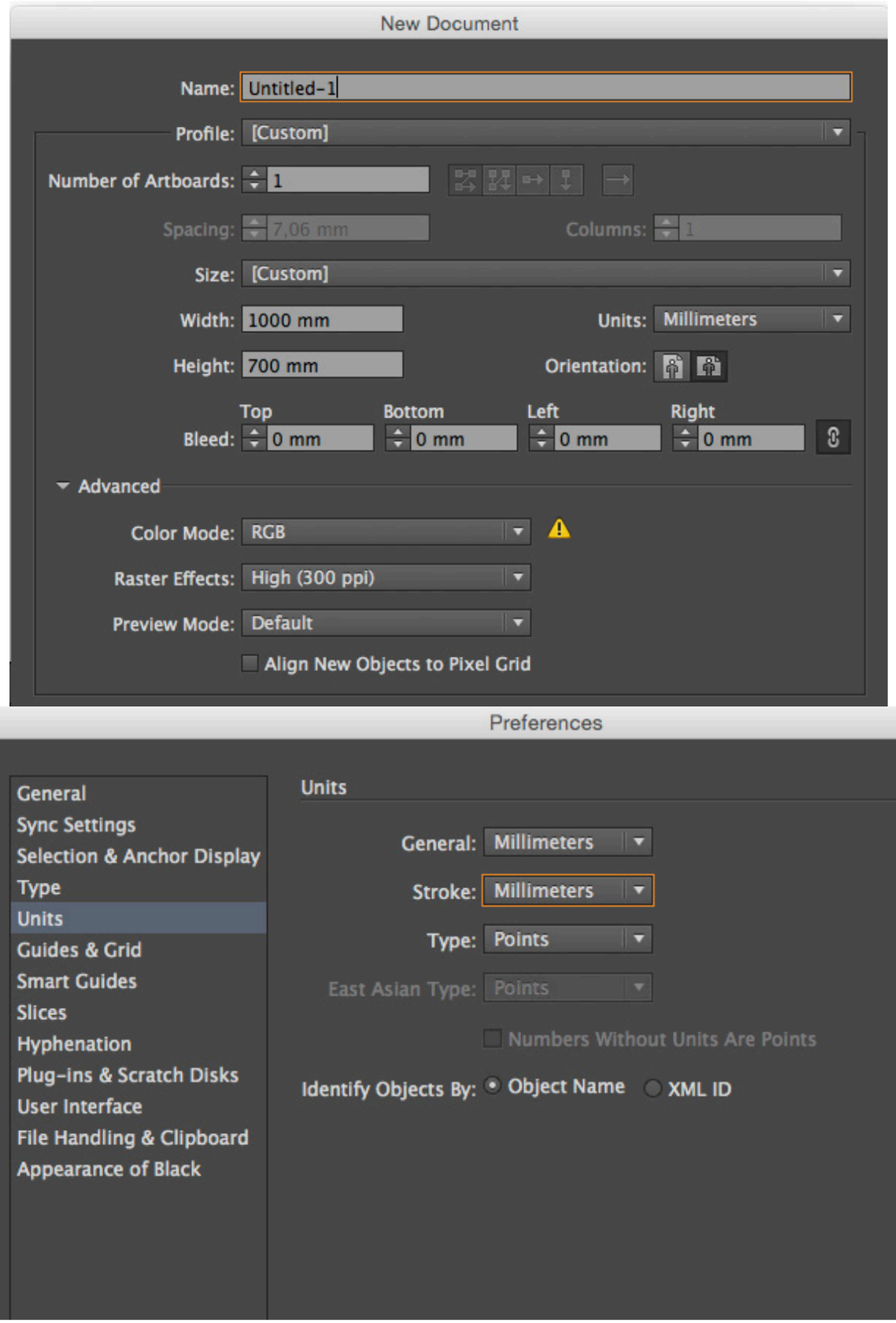
Vector cutting from Illustrator#1:

Either download the illustrator template file from the link below:

or create a new document with the following settings:

Size 1000mm x 700mm
Document Color Mode: RGB

Units in Illustrator must be set to:
General: Millimeters
Stroke: Millimeters
Type: Points or Millimeters



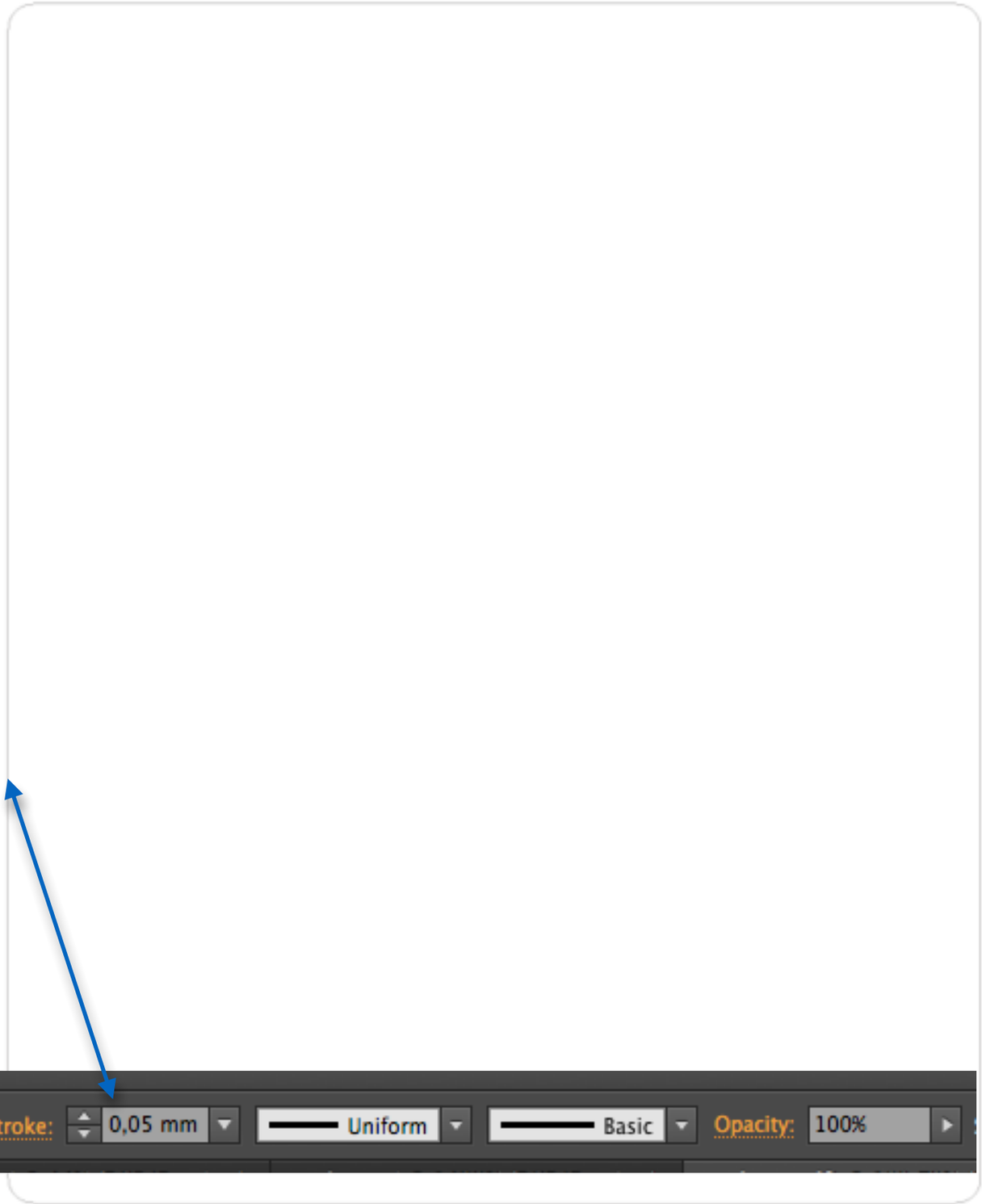
http://www.create.aau.dk/facilities/wp-content/uploads/Epilog_Template_File.ai.zip

Vector cutting from Illustrator#2:

For vector cutting, kake sure that the line thickness is 0,05 mm or less
Also make sure that the line color is black (0,0,0)

The Epilog Laser considers black as the primary cutting color. Later we will explore some advanced settings that allows for multiple cutting settings in the same document.

Also make sure that your objects are within the area the laser cutter can cut: 1000mmx700mm

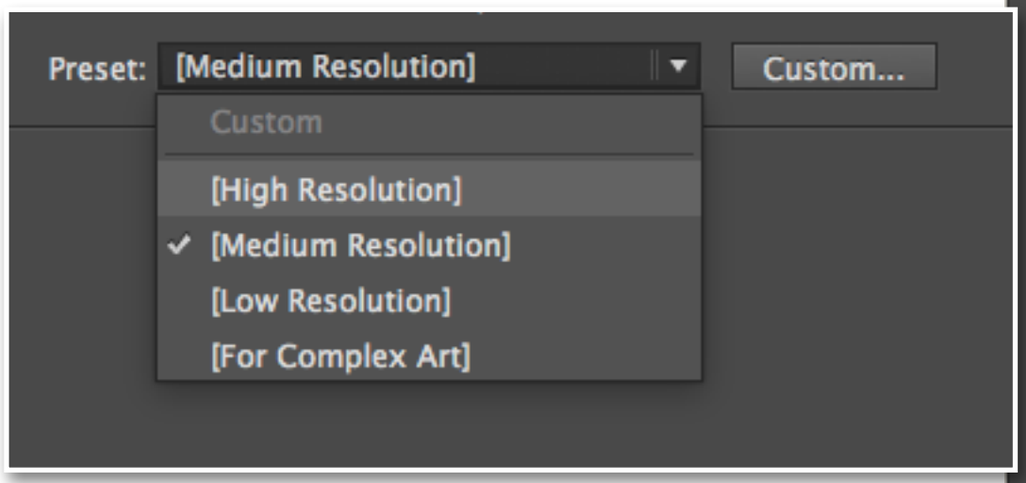


Vector cutting from Illustrator#3:

When you are ready to vector cut, open the print dialog box:
File -> Print (CTRL+P)

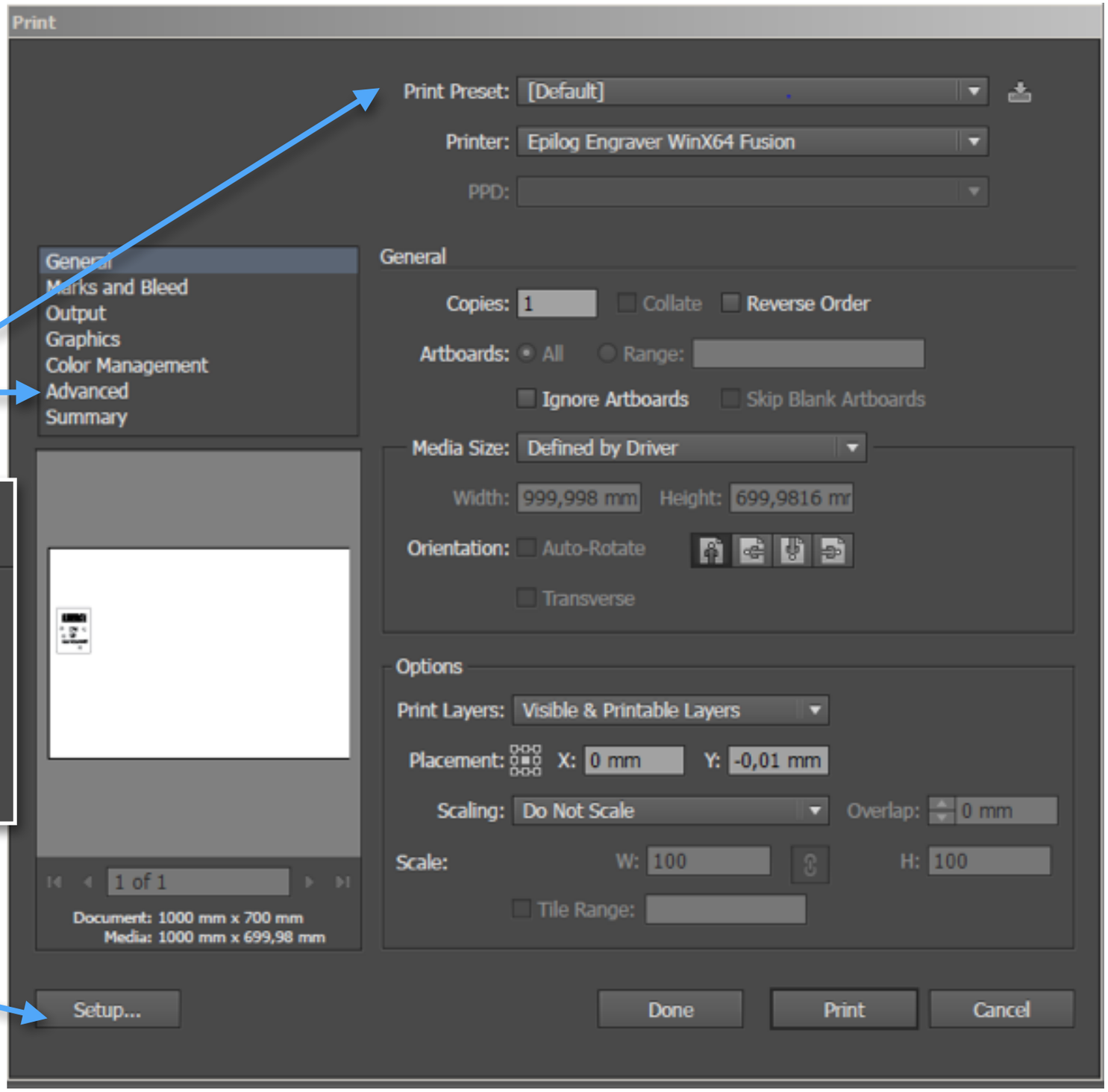
Most settings should be correct, but please double check them anyway.

1. Check Printer (Epilog Engraver WinX64 Fusion
2. Click ‘Advanced’ and select ‘[High Resolution]’



3. Next click Setup…

4. Next click ‘properties’

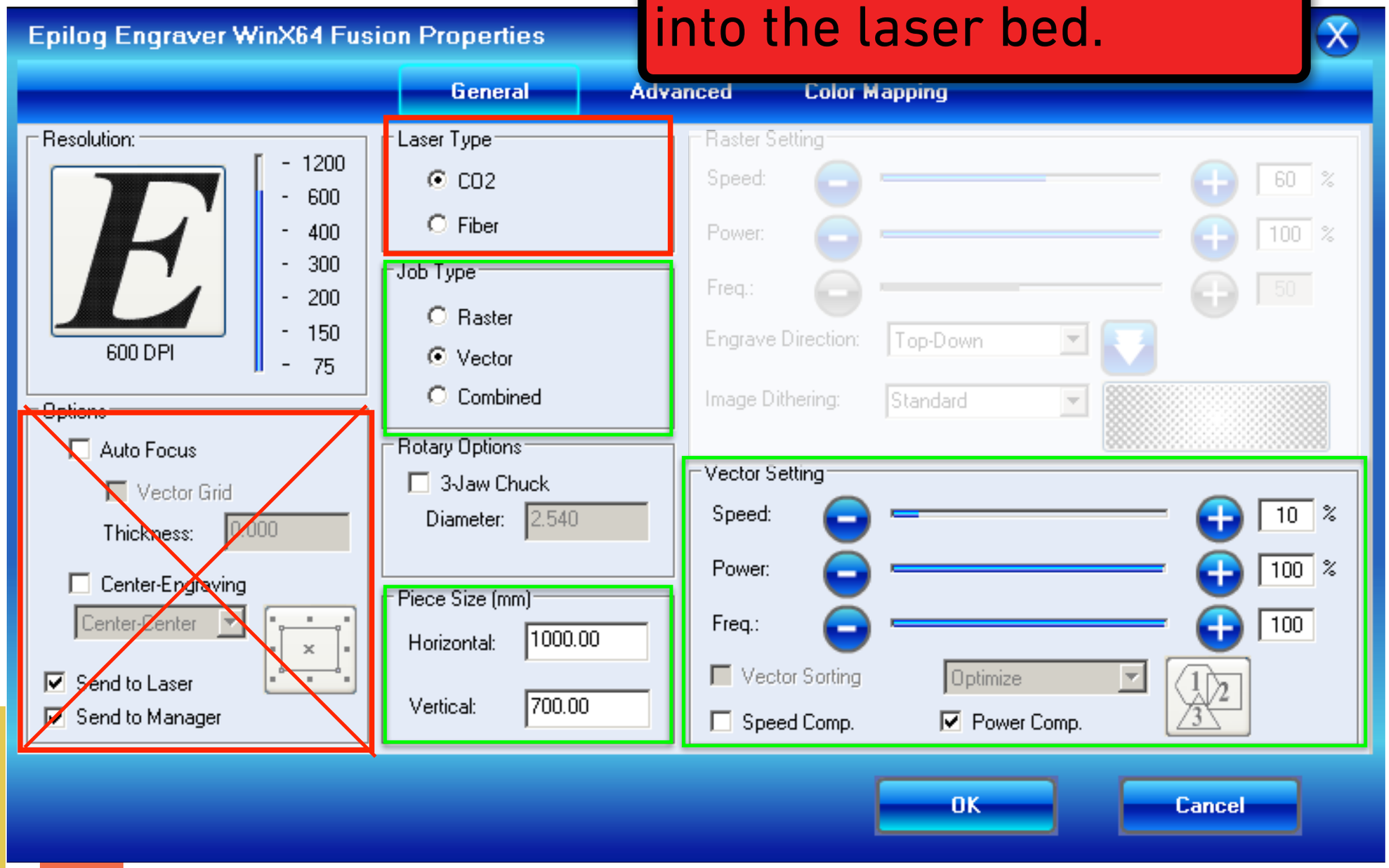


Vector cutting from Illustrator#4:

Now the Epilog Engraver properties box opens.

1. Make sure to select only Vector in the job type section
2. ALWAYS verify that Auto Focus is NOT marked
3. Set speed, Power and Freq. accordingly to the guide.
4. Piece Size must be set to H: 1000mm and V: 700mm
5. Click Ok
6. Click print.

DO NOT enable
Auto Focus!!!!!
It will run the laser head into the laser bed.



RED areas: DO NO TOUCH

GREEN areas: CHECK VALUES

Start the cut job

Make sure that the Job menu is active
On the display screen, the name of the file sent should display right under Job:

Now click the green GO button.

Turn the power off

1

2