Flux Beamo/HEXA laser cutter file and machine preparation
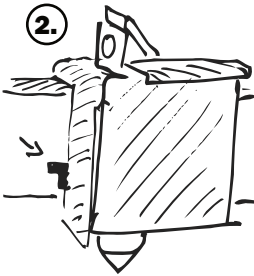
1. Switch on the machine and wait for the instructions RISQUE D'INCENDIE , click on ACCEPTER to arrive at the home screen *(image 1.)*

①

2. Open the cover.
BEAMO: place your material on the grid inside the metal frame.
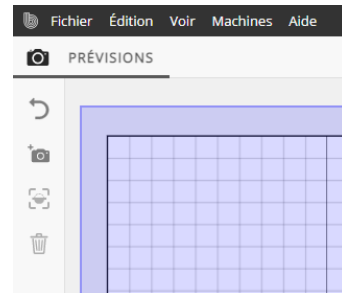**HEXA:** lower the grid by at least 1 cm by pressing the button V , then place your material.

②

3. The machine must know the thickness of your material.
Pull the "tête laser" block over the material. Then, depending on your machine:
BEAMO: press twice on the button on the left side of the laser head *(image 2.)*
HEXA: press twice on the AF button
The probe will touch the material and then rise slightly. Close the cover.

③

4. Open the Beam Studio software and scan the work surface, by clicking on 📷 and selecting the area to be scanned *(image 3.)*

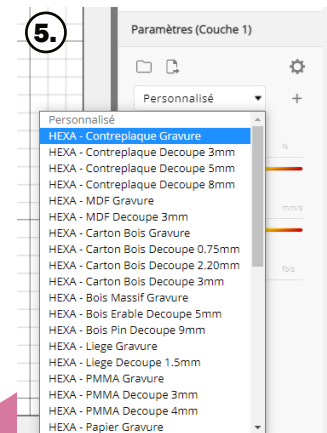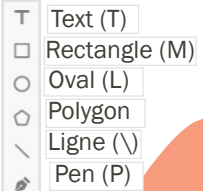5. Return to the main menu by pressing END PREVIEW ↩

6. Use the tools *(image 4.)* or import a file (see appendix "The 3 ways to import")

④ Text (T)
Rectangle (M)
Oval (L)
Polygon
Ligne (\)
Pen (P)

7. In "Settings" choose the profile for your material *(image 5.)*

8. Switch on the air extraction, the switch is located in the cabinet under the machines

9. Start burning on Beam Studio by clicking on Aller à ▶ then Démarrer

⑤ Paramètres (Couche 1)
Personnalisé
Personnalisé
HEXA - Contreplaque Gravure
HEXA - Contreplaque Decoupe 3mm
HEXA - Contreplaque Decoupe 5mm
HEXA - Contreplaque Decoupe 8mm
HEXA - MDF Gravure
HEXA - MDF Decoupe 3mm
HEXA - Carton Bois Gravure
HEXA - Carton Bois Decoupe 0.75mm
HEXA - Carton Bois Decoupe 2.20mm
HEXA - Carton Bois Decoupe 3mm
HEXA - Bois Massif Gravure
HEXA - Bois Erable Decoupe 5mm
HEXA - Bois Pin Decoupe 9mm
HEXA - Liege Gravure
HEXA - Liege Decoupe 1.5mm
HEXA - PMMA Gravure
HEXA - PMMA Decoupe 3mm
HEXA - PMMA Decoupe 4mm
HEXA - Papier Gravure

10. When the ventilation stops, open the cover and remove the final object

Laser cutter - the 3 ways to import

Option A: Import a digital drawing / simple image, logo, icon, etc.

   1. Import with the IMAGE button [🖼] in JPG, PNG, DXF, SVG (if requested type of import, choose SINGLE Layer)

①

Option B: Import a photo (high resolution)

   1. Upload the photo to imag-r.com, choose the material in the CO_2 category (e.g. WOOD) and adjust the settings

   2. Download the result in PNG and import it with the IMAGE button [🖼] into Beam Studio.

②

Option C: Import a handwritten drawing

   1. Place the design (preferably black on white) on the board in the machine
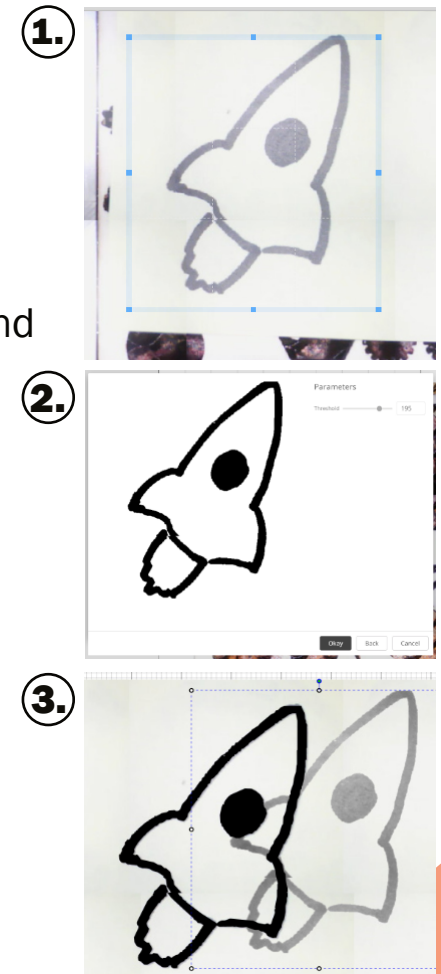
   2. Repeat step 4 to get a scan with the design

   3. Click on IMAGE TRACE [⊡] Select the part to be scanned *(image 1.)*

   4. Adjust the threshold to get more or less detail *(image 2.)*

   5. Repeat step 5

   6. Remove the greyer drawing (bitmap drawing) *(image 3.)*

③

-> Return to step 7. of the main form