



xTools Studio (I)



xTool Studio
Turn imagination into creation

INSTAL·LACIÓ DEL SOFTWARE XTOOLS STUDIO PRIMERA PROVA DEL SOFTWARE I LA MÀQUINA PARÀMETRES I MATERIALS



1.- Instal·lació del software xTools Studio

Hem d'instal·lar el software necessari per poder controlar la màquina i fer els nostres treballs amb la talladora. Anem al web de xTools,

<https://www.xtool.eu/>

i obrim la pestanya de Software,

The screenshot shows the xTool Europe Store homepage. At the top, there's a banner for a 5th Anniversary Carnival with a countdown timer (03 Days, 01 Hours, 12 Mins, 38 Secs). Below the banner, the navigation bar includes links for Products, Anniversary Carnival, New! P3, xTool Squad, Materials, Education, Perks & Loyalty, Software (which is highlighted with a red box and has a red arrow pointing to it), and Support. The main content area features a live webinar announcement for 'Tips for Large-Scale Projects with Conveyor Feeder' on September 25th at 10:00 CEST.

Obrim l'apartat de xTool Studio, i descarreguem el fitxer d'instal·lació,

The screenshot shows the 'Software' page on the xTool website. It features two main sections: 'xTool Studio' (highlighted with a red box) and 'Software Guide'. The xTool Studio section displays a thumbnail image of a computer screen showing a laser engraving software interface with a butterfly design. Below the image, the text reads 'xTool Studio' and 'The strongest yet easiest laser software'. The Software Guide section shows a thumbnail of a video player with a preview of a tutorial video.



Final price may vary based on your shipping address (VAT may differ). [LEARN MORE](#)

+1(970) 638-7030 Europe (Multi-language / €EUR)



Products

Anniversary Carnival

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Materials

Education

Perks & Loyalty

Software

Support



xTool Studio The All New Creative Workspace

Smarter, Easier DIY Projects with AI

Download

xTool Studio

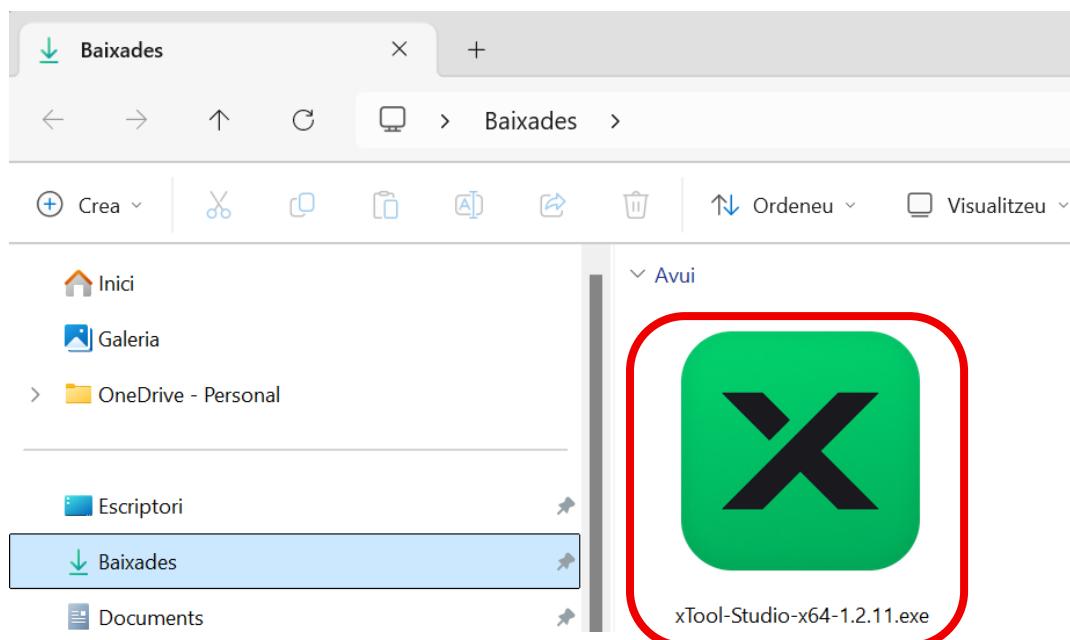
Desktop Version | V1.2.11

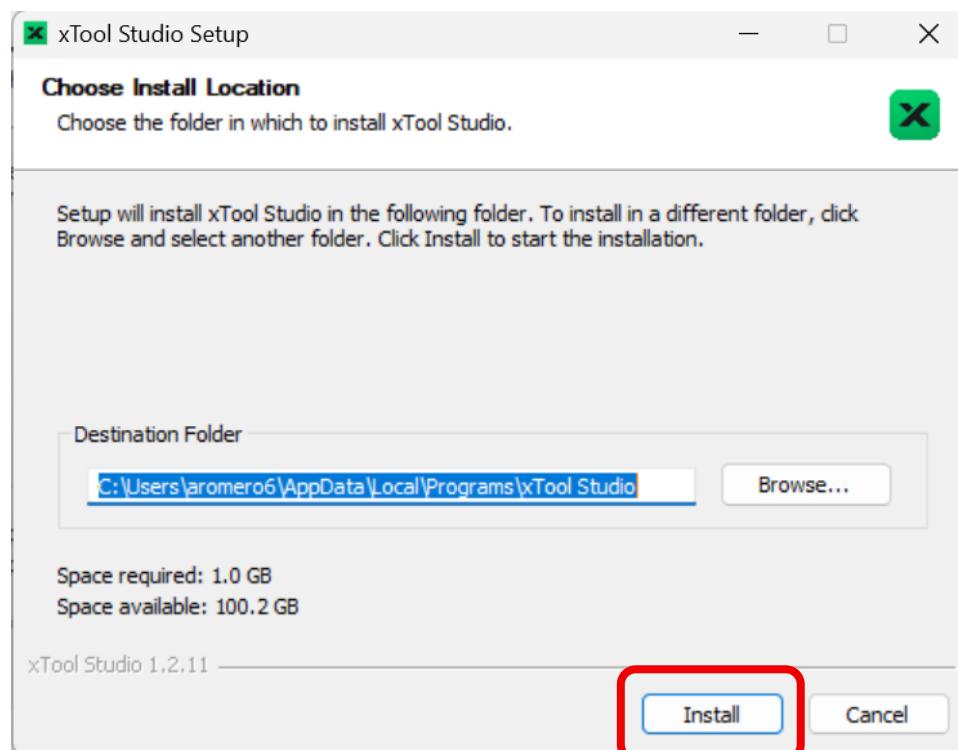
[Release Notes](#) | [Minimum Requirements](#) | [Previous Version](#) | [XCS Mobile Version](#)

Download for Windows

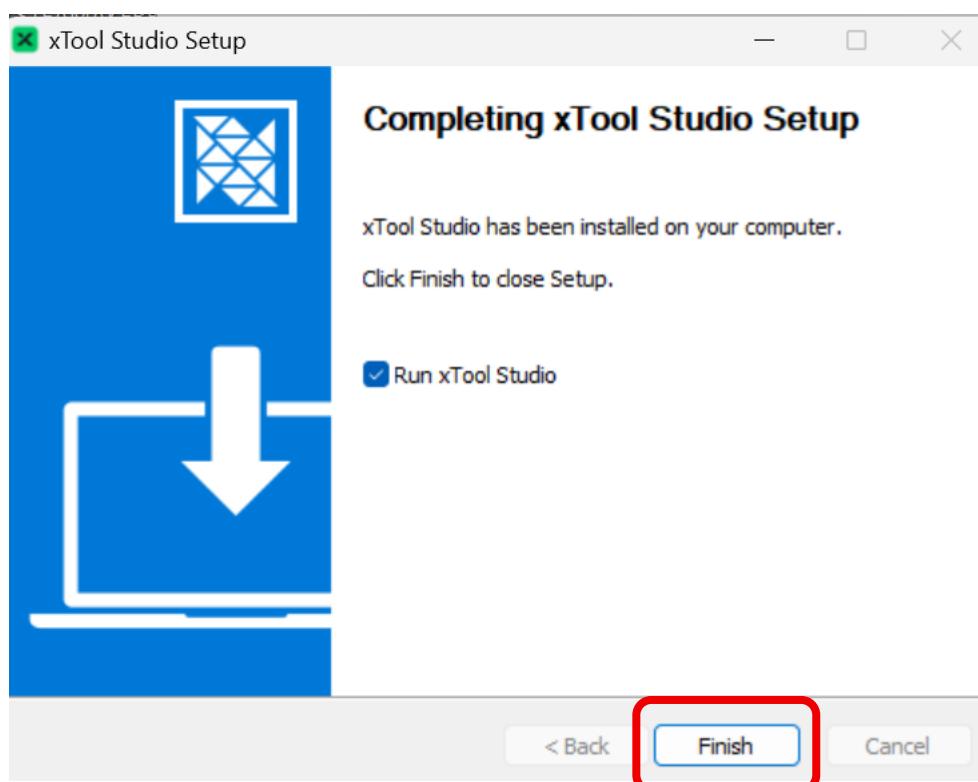
[Download for macOS Intel chips](#)
[Download for macOS Apple Silicon](#)

Obrim el fitxer,





Una vegada instal·lat podrem iniciar el programa,





Confirmem la regió on treballarem,

Select Your Region

Global

Mainland China

Login methods and privacy terms vary by region. Accounts are not shared between regions. Please select the appropriate region for you.

Cancel

Confirm

Acceptem condicions,

xTool Studio Terms

Safety Terms

EU/UK Important Notice

LSO Training

Privacy Policy

Terms of Service

Important Notice for EU and UK Users of Class 4 Laser Products

*This notice applies only to EU and UK users who use xTool Class 4 laser products.

If you are outside the EU or UK, or if you use an xTool product not classified as a Class 4 laser product, you may disregard this notice.

xTool Class 4 laser products are xTool products labeled as Class 4 laser products.

For EU and UK users: xTool Class 4 laser products are ONLY intended for trained professionals in commercial use. Before operating, please confirm that you use these products solely for commercial purposes. Ensure you are equipped with the appropriate laser expertise or certification and strictly follow all applicable safety instructions and regulations. If you are not intended for commercial purposes, do not use any xTool Class 4 laser product.



I have read and acknowledged [Privacy Policy](#) [Terms of Service](#) [Safety Terms](#)

Disagree

Agree



Potser ens demanarà actualitzar,

Software update

Found a new version: it's recommended you update the version.

Current version:

Bug fixes and improvements.

For details, see Weekly Updates ↗

No reminder for three days

Download

I ja entrarem a la seva interfície. Fins fa poc el seu software es denominava xTools Creative Space (XCS), ara passa a denominar-se xTools Studio, ens informa que qualsevol projecte fet amb l'antiga versió, també serà compatible amb aquesta versió,



Una vegada iniciat, ens demanarà instal·lar els drivers de la màquina,

The screenshot shows the xTool Studio application window. On the left is a sidebar with options like Home, My Space, Templates, Materials, More, Preferences, Support, and Creator Center. The main area features a "2025 Christmas Contest" banner with a button to "Enter Now". Below it is a "Recently" section with a "+ New project" button. A red box highlights two overlapping pop-up windows for driver installations:

- Install driver: RNDIS**: The driver required for your device is missing. Click Install to install it. After installing the driver, unplug the USB cable from your computer and then plug it in again.
 No more reminders **Install**
- Install driver: CH340**: The driver required for your device is missing. Click Install to install it. After installing the driver, unplug the USB cable from your computer and then plug it in again.
 No more reminders **Install**

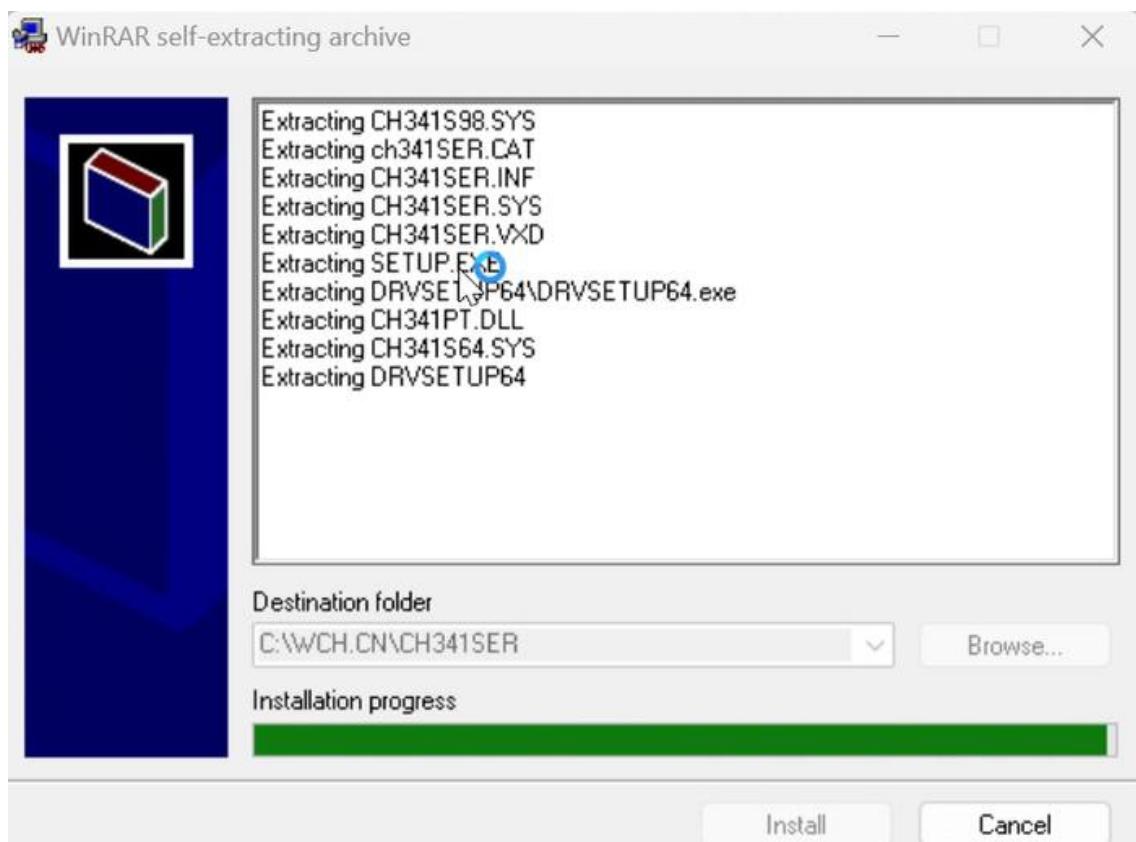
At the bottom right of the main window, there's a "View All" link.

Per la xTools S1 el driver és el CH340, però com el software és compatible amb totes les màquines de la marca, podem instal·lar els dos,

The screenshot shows the final step of the "Asistente para la instalación de controladores de dispositivos". The title is "Finalización del Asistente para la instalación de controladores de dispositivos". It displays a summary of installed drivers:

Nombre del controlador	Estado
✓ Acer Incorporated. (USB...	Listo para su uso
✗ Linux Developer Commu...	No se pudo realizar la instalación

At the bottom, there are three buttons: "< Endarrere", "**Acabament**" (highlighted with a red box), and "Cancel·la".



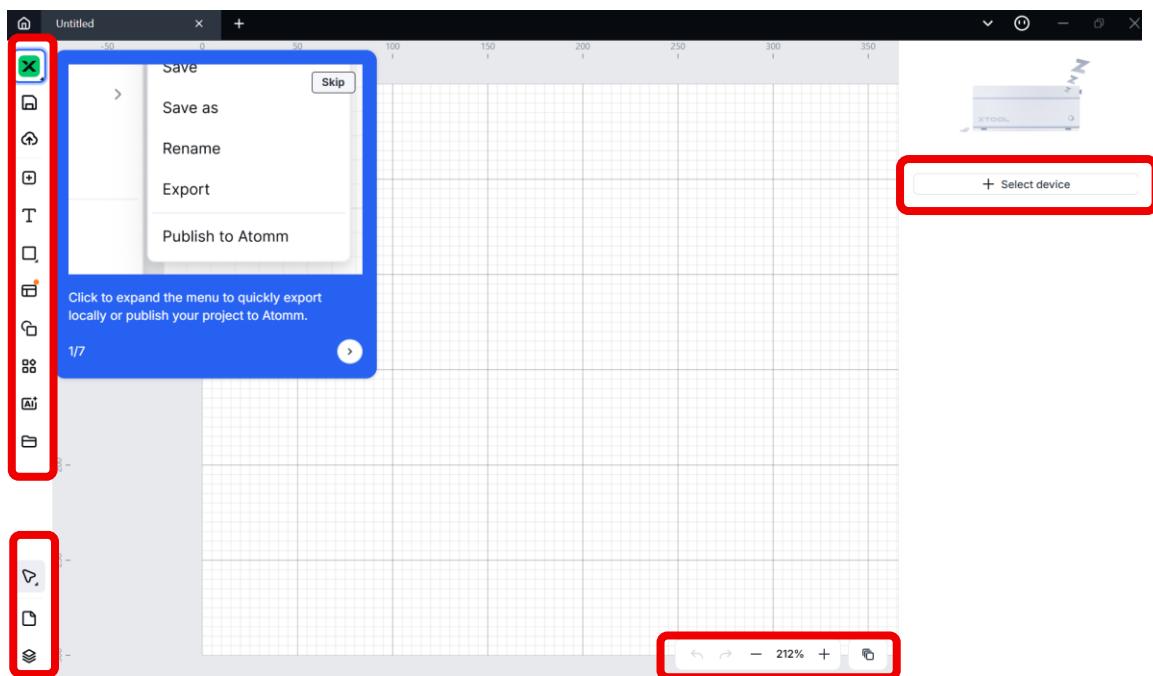
2.- Primera prova del software i la màquina

Ara sí que ja podem començar. Obrirem un nou projecte,

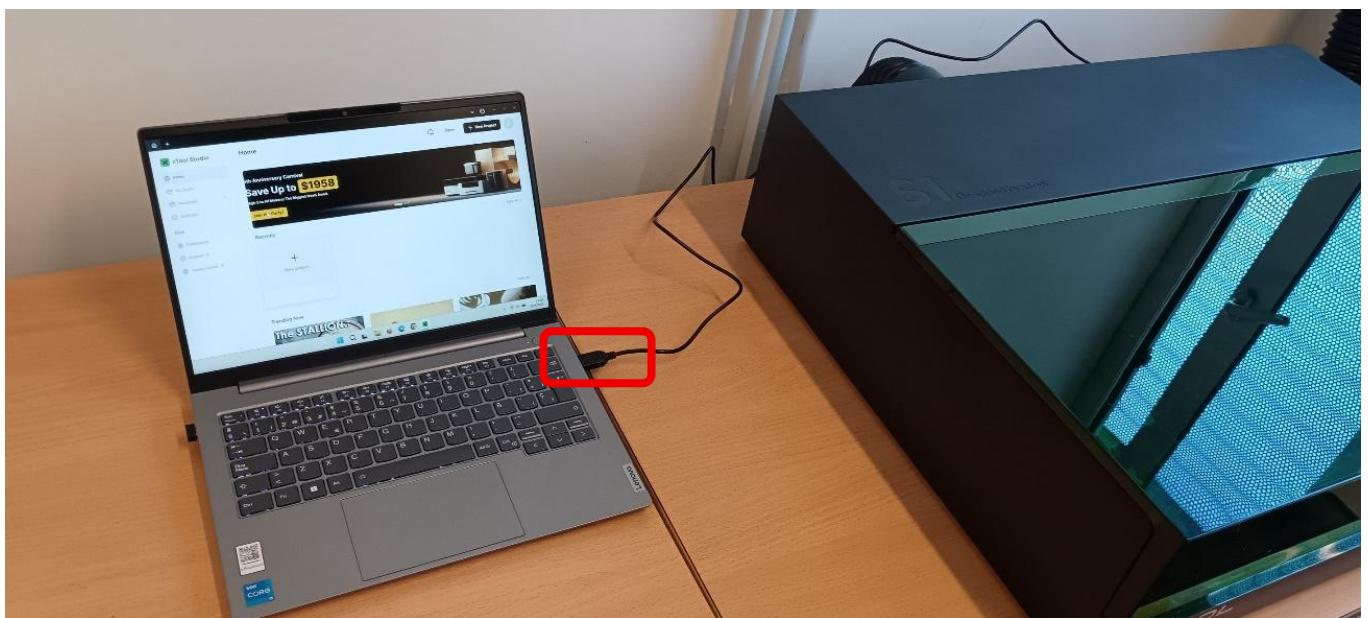
The screenshot shows the xTool Studio application window. On the left is a sidebar with various options: Inicio (highlighted), Mi espacio, Plantilla, Material, Configuración de preferencias, Soporte al usuario, and Centro de Creadores. The main content area has a dark header with a 'Nuevo proyecto' button. Below the header is a large promotional banner for the '5th Anniversary Carnival' with a 'Save Up to \$1958' offer. Underneath the banner is a 'Recently' section with a 'Nuevo proyecto' button. At the bottom is a 'Trending Now' section showing four images of embossed metal items.



Ens oferirà un petit tutorial de les funcions bàsiques dels diferents menús,



I podrem connectar la talladora. Primer el cable USB connectat a l'ordinador,





Li donem a l'interruptor d'encesa,



Desbloquegem el polsador d'emergència,



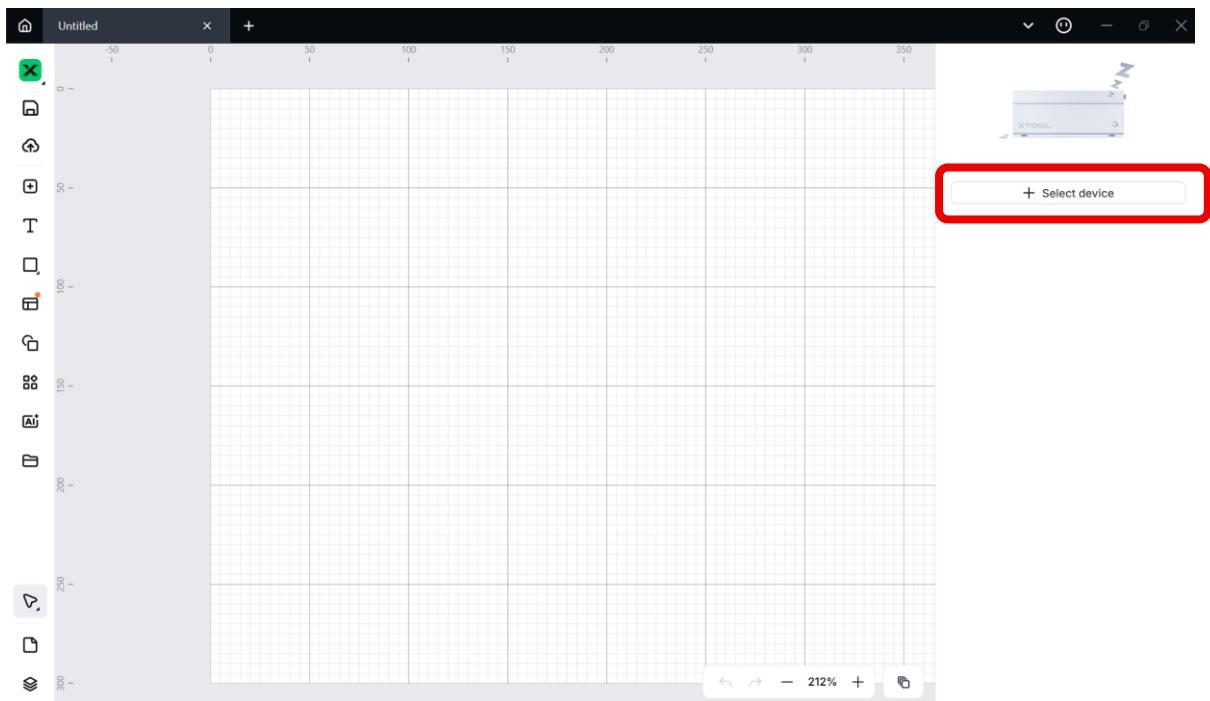


I col·loquem en posició d'AUTO el commutador de la bomba d'assistència d'aire. El filtre també ha d'estar amb l'interruptor d'encessa engegat,

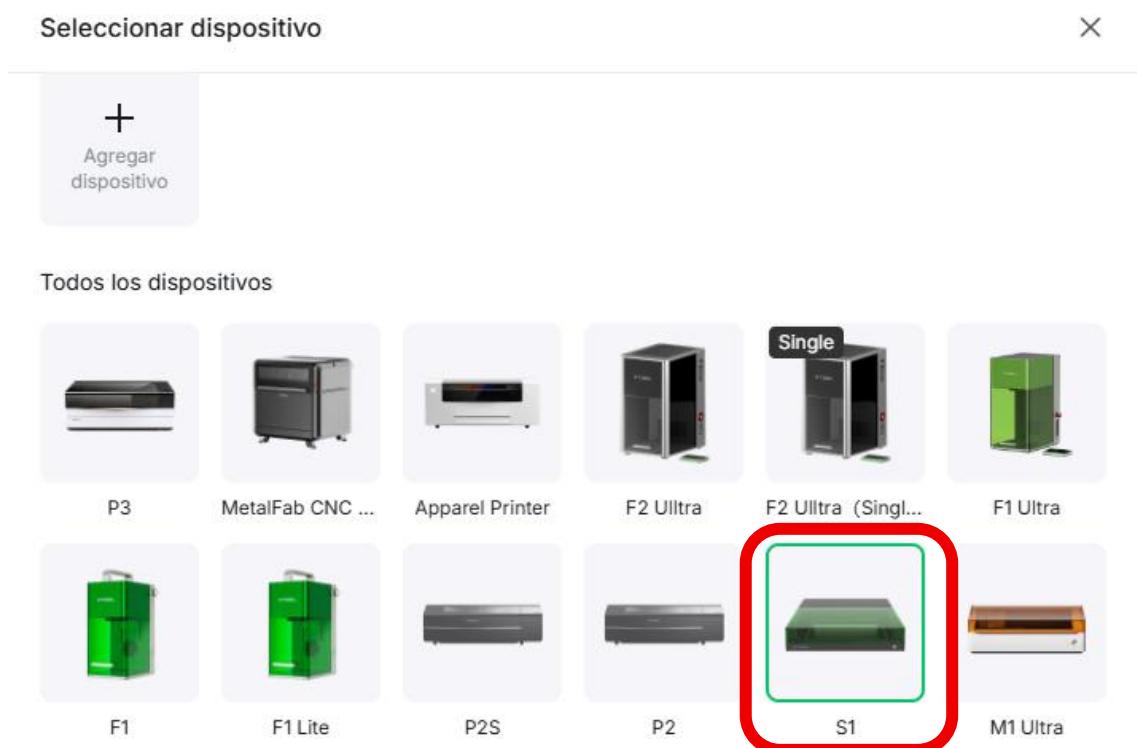




Triem connectar el dispositiu,



Triem la nostra màquina,





Conecta el dispositivo



USB

Wifi

IP

Ethernet

Conecte su dispositivo al ordenador mediante un cable USB.

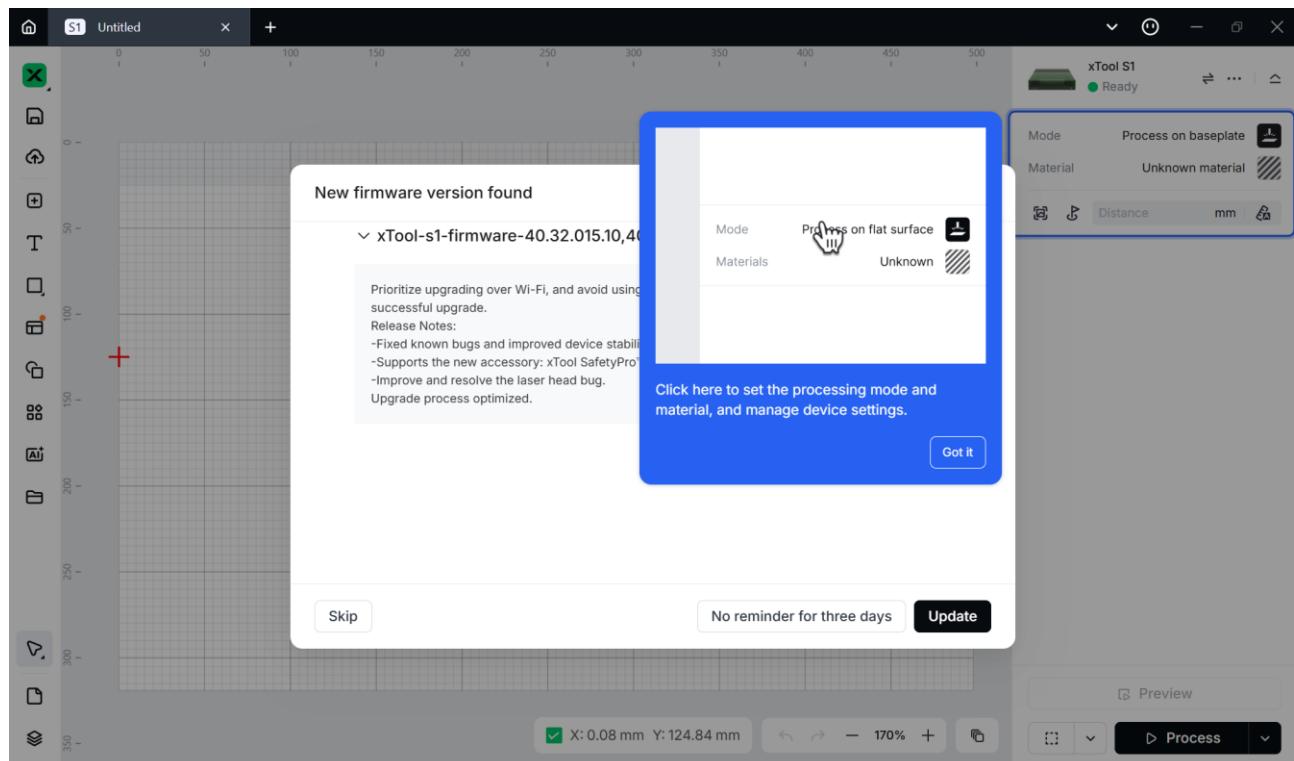


Asegúrese de que la conexión USB sea estable

[Ayuda de conexión](#)

[Actualizar](#)

Ens oferirà un tutorial bàsic i si troba que s'ha d'actualitzar el firmware de la màquina, també ens avisarà,





New firmware version found

X

✓ xTool-s1-firmware-40.32.015.10,40.32.009.1,40.32.013.1

Prioritize upgrading over Wi-Fi, and avoid using USB while connected to Wi-Fi to ensure a successful upgrade.

Release Notes:

- Fixed known bugs and improved device stability and user experience.
- Supports the new accessory: xTool SafetyPro™ AP2 Max.
- Improve and resolve the laser head bug.

Upgrade process optimized.

Skip

No reminder for three days

Update

Update firmware

Firmware updating... 0% completed

Disconnection may occur during software update. Please be patient, and do not turn off the device.



Update firmware

X

Update completed

- xTool-s1-0x20 ✓
- xTool-s1-0x21 ✓
- xTool-s1-0x22 ✓

Confirm



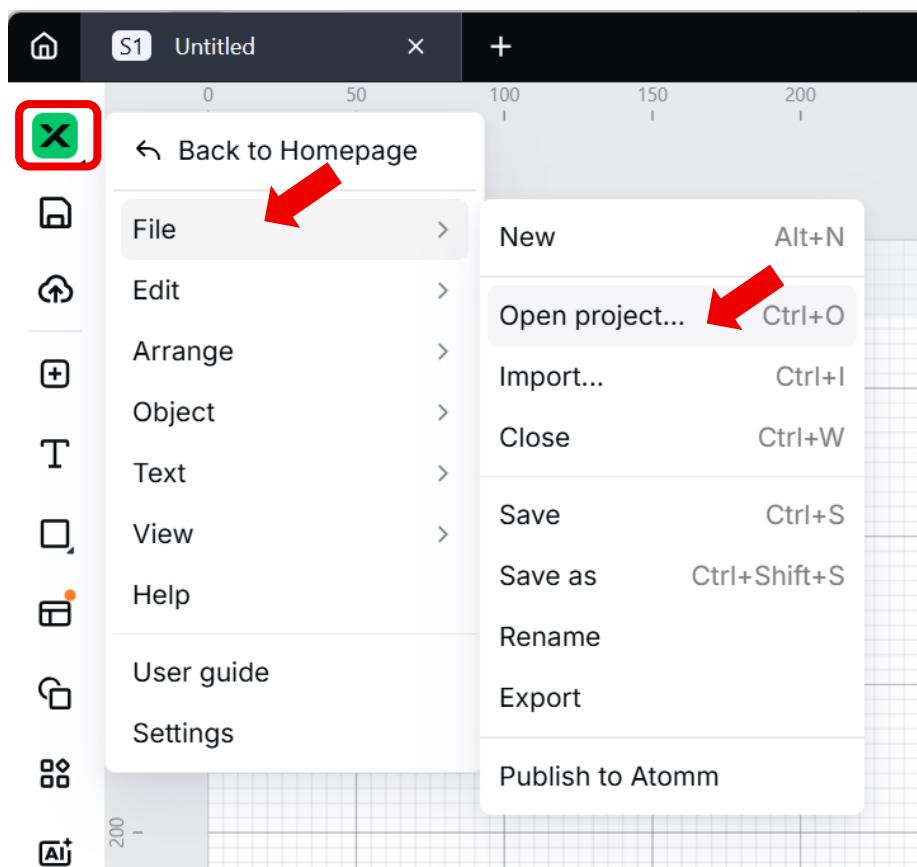
Welcome! Get started with the tutorial !

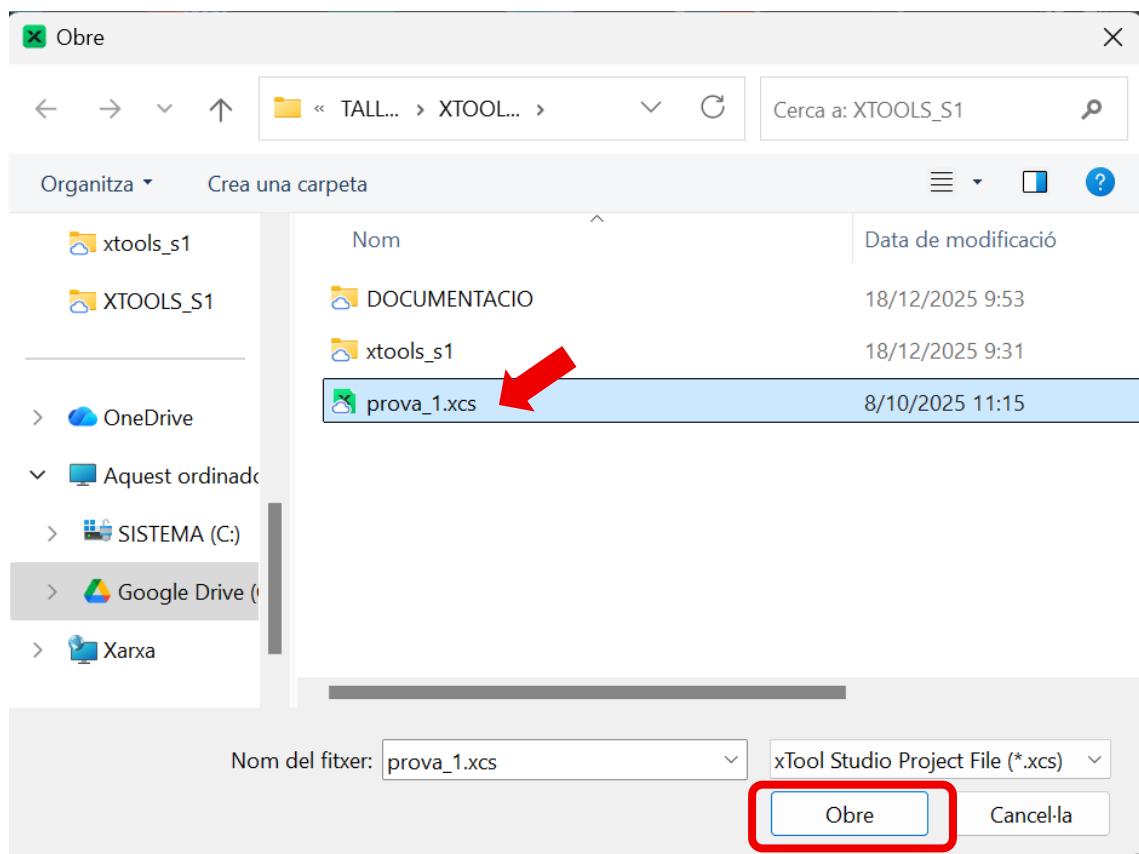


To help you understand how to use the device, an example project tutorial is provided. You can follow the instructions to complete your first work in 5 minutes.

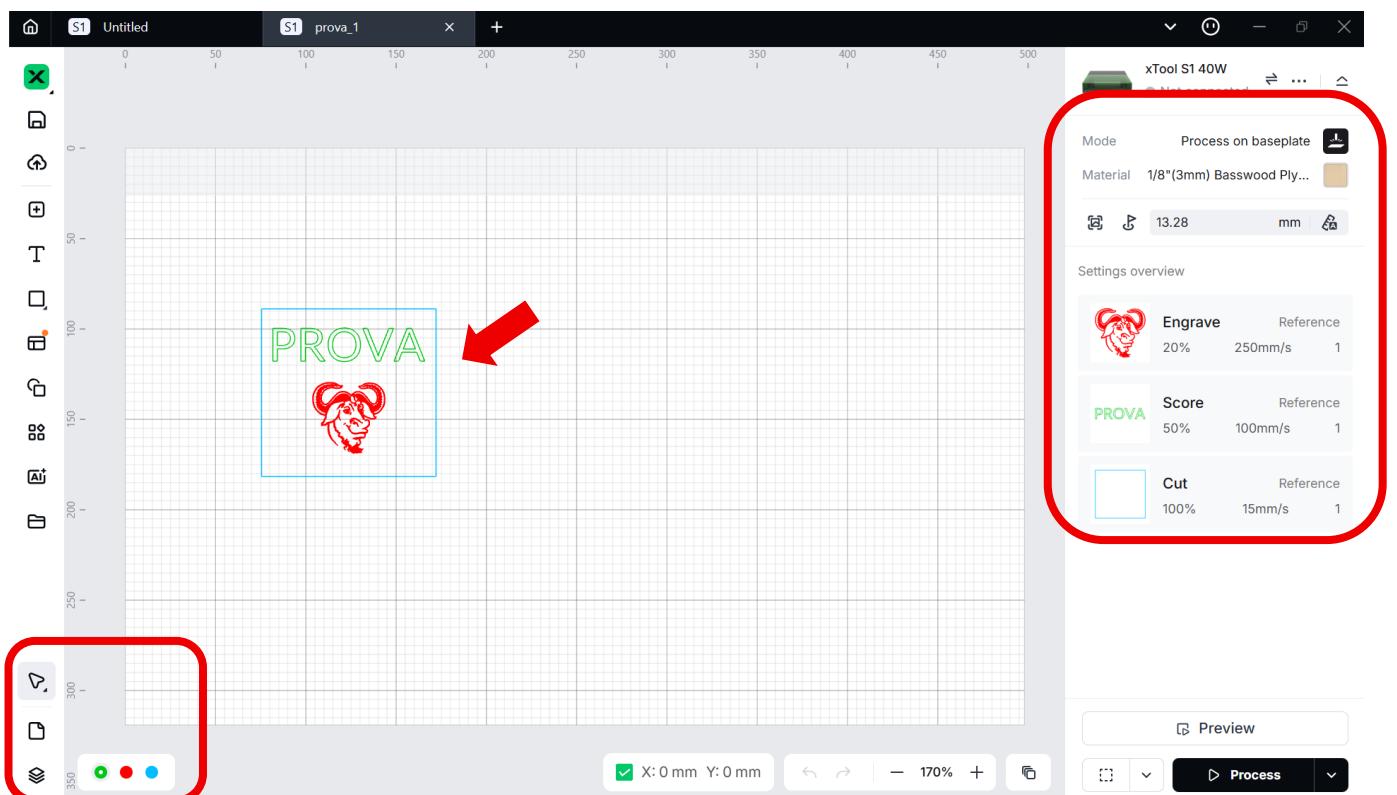
Skip Start the tutorial

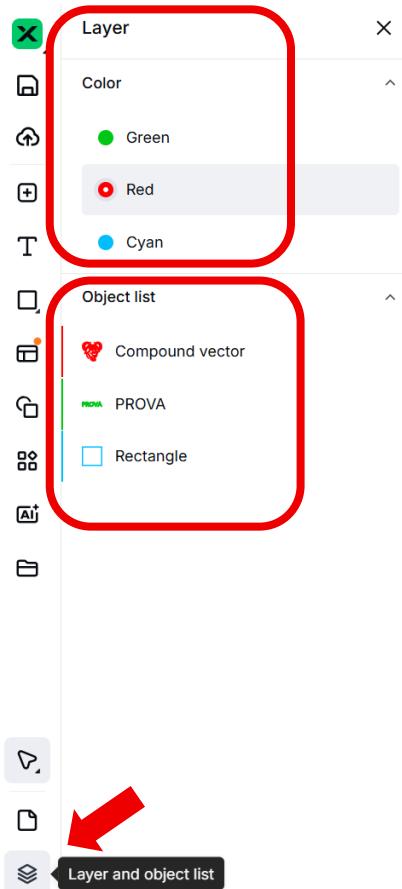
Obrirem el fitxer de prova,
[prova_1.xcs](#)



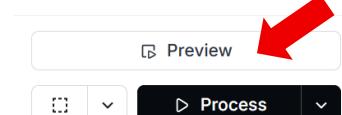
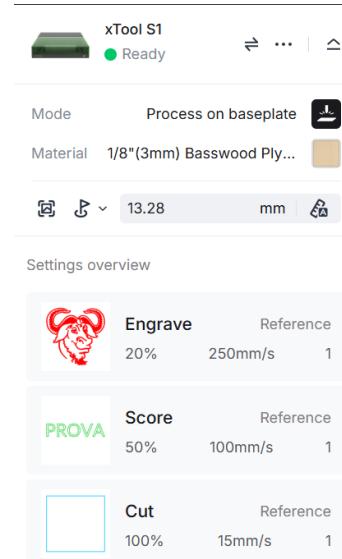


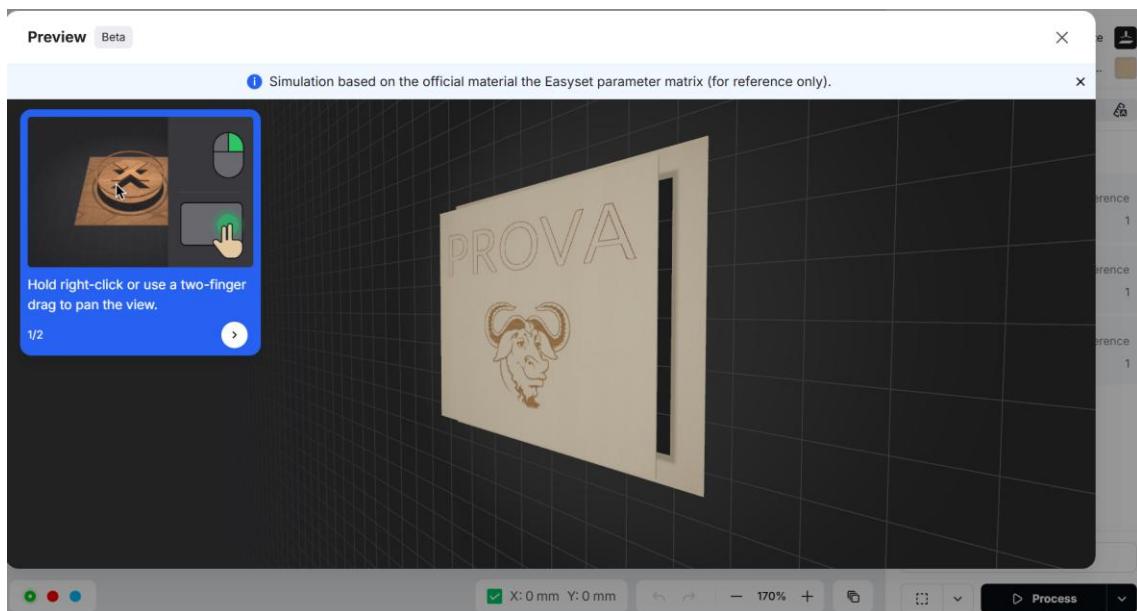
On tindrem ja triat tots els paràmetres de treball, tipus de material, la superfície i les tres capes que componen el treball, una capa per tallar, una altra per marcar i una altra per gravar,





Podem simular el resultat de les tres operacions,





També podrem simular el procés abans d'enviar a la màquina les ordres de treball,



< Back

Check before processing

Processing module trajectory
Path along which the processing module moves without processing the material

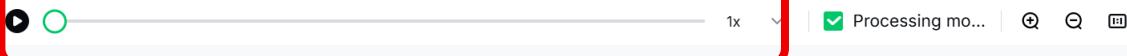
Processing path
Path along which the processing module processes the material

Processing module position
Position of the Processing module

Got it



The interface shows a preview window containing a logo of a ram's head with the word "PROVA" above it. A red arrow points from the explanatory text in the blue box to the ram's head in the preview.



A video player control bar with a play button, a progress bar, and various playback options like volume and speed.

Veiem l'ordre de treball de les capes, el temps total i podem accelerar la visualització,

< Back

Check before processing



A red arrow points from the explanatory text in the blue box to the ram's head in the preview.



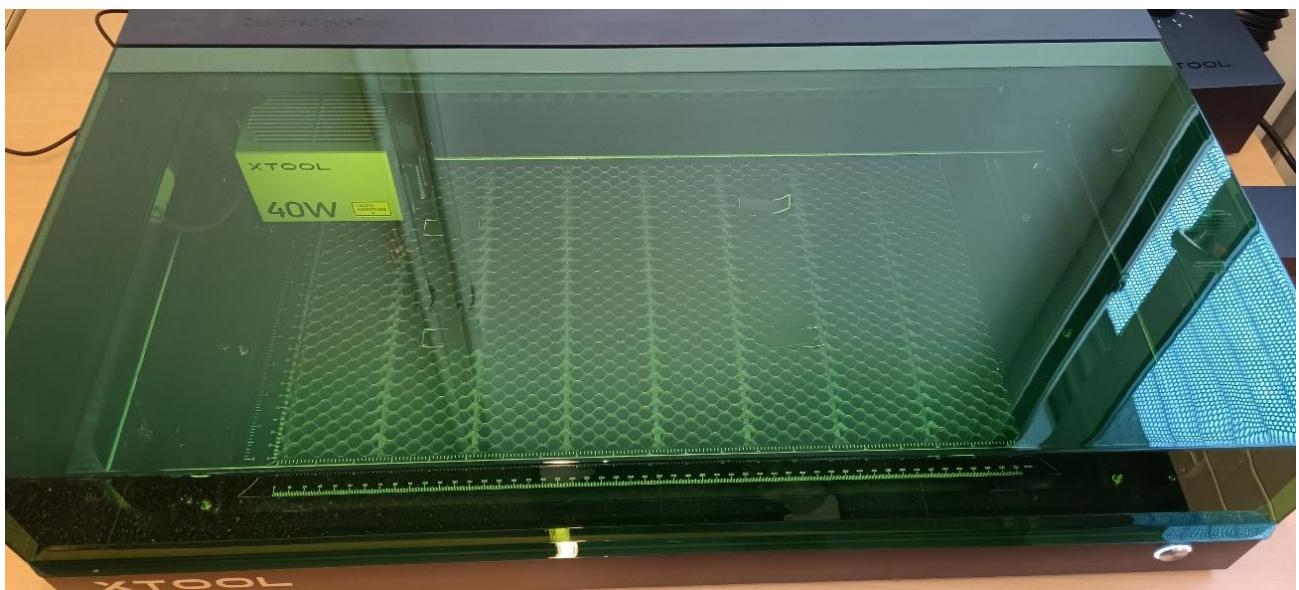
A video player control bar with a play button, a progress bar filled with green, and various playback options like volume and speed.



Ara ja podem realitzar la feina amb la màquina. Del material de prova que faciliten amb la màquina, triem el panel de fusta contraplacada,



Obrim la tapa de la talladora,

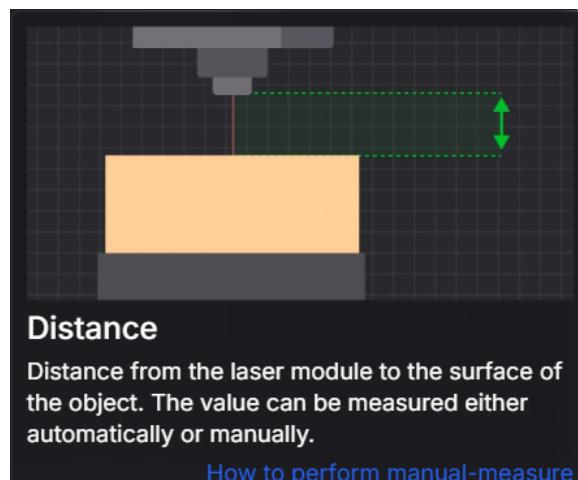




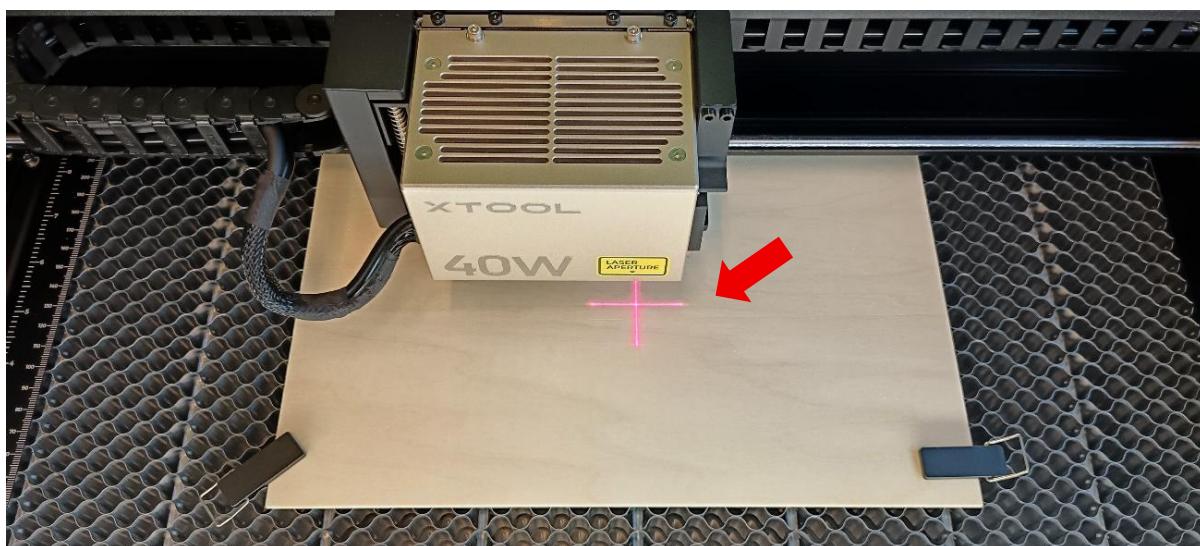
I col·loquem la fusta en el centre del panel d'abella, podem subjectar-la amb les peces magnètiques, per assegurar que la superfície està a la mateixa alçada,



Ara hi ha dues operacions que hem de fer abans de començar. En primer lloc, indicar a la màquina l'alçada on es troba el material perquè, de forma automàtica pugui enfocar el làser.

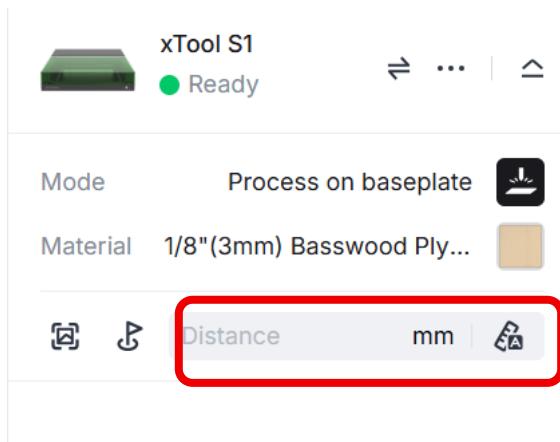


Mourem el capçal manualment fins que la creu que determina on es troba el làser, estigui al centre de la fusta,

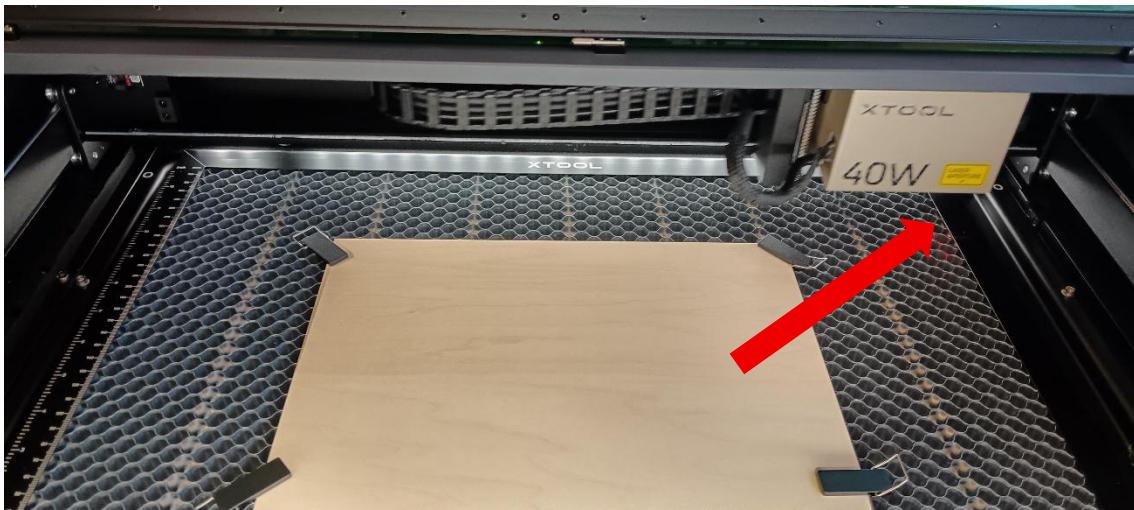




Farem clic al botó de calcular l'alçada,



El capçal es mourà per agafar la referència i llegirà l'alçada amb el sensor,

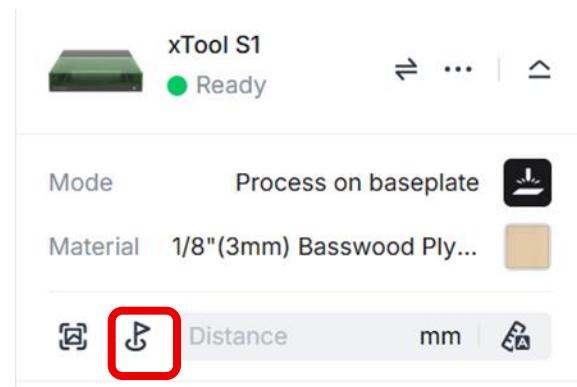
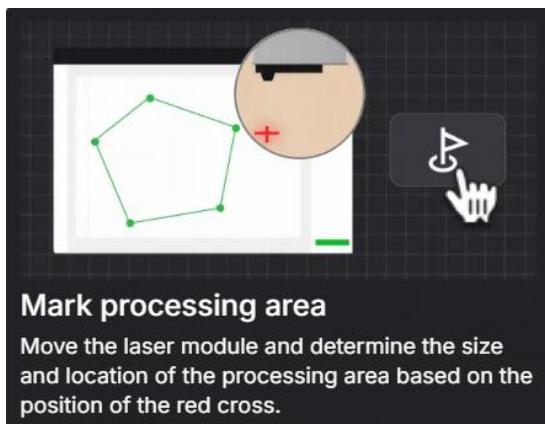


Tornarà a la posició,

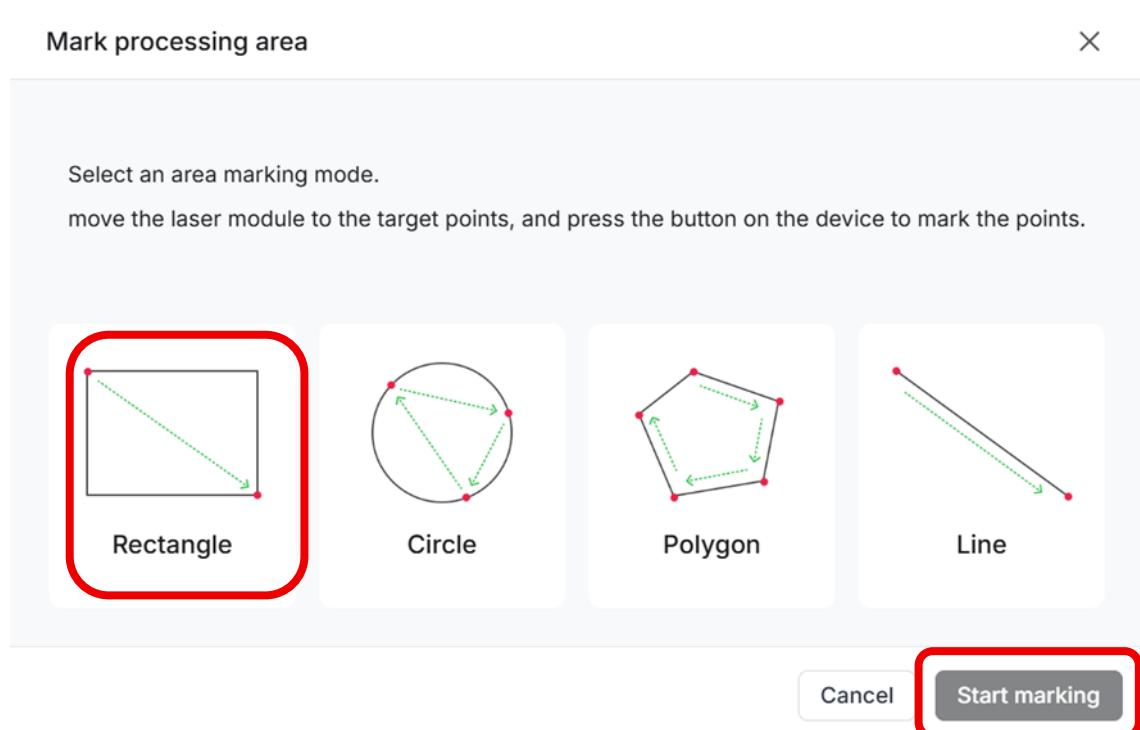




En segon lloc, l'hem d'indicar quina és la zona on està el material, per fer això, farem clic al botó de determinació dels punts de la superfície de treball,



Triem el tipus de superfície, el rectangle,



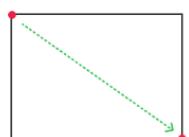


Mark processing area

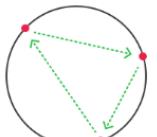
X

Select an area marking mode.

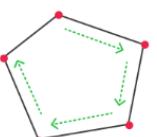
move the laser module to the target points, and press the button on the device to mark the points.



Rectangle



Circle



Polygon



Line

Cancel

Start marking

Movem el capçal al cantó esquerre superior,

Mark processing area

Marking mode

?

Rectangle

▼



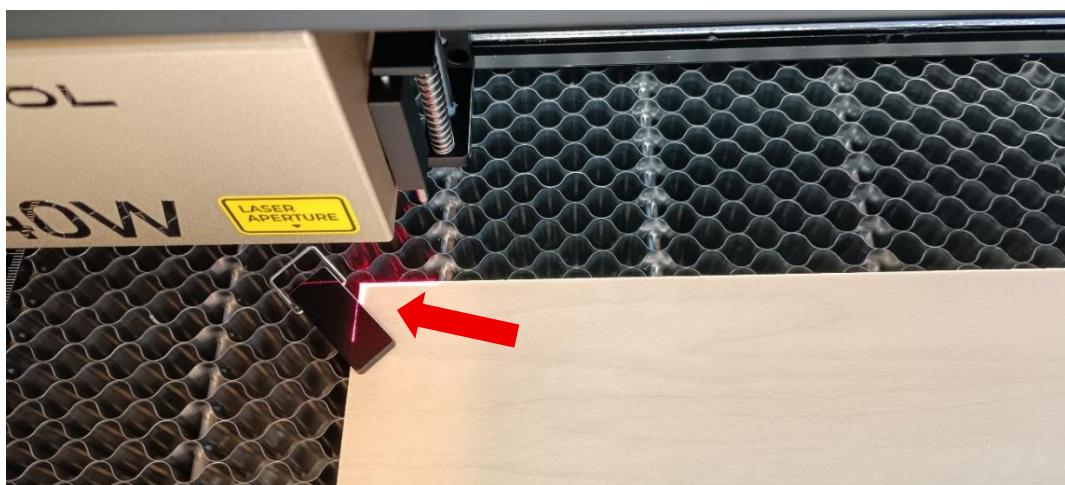
Mark two points on different horizontal lines to form a rectangle.

 Point 1 Point 2

End marking

Cancel

Done

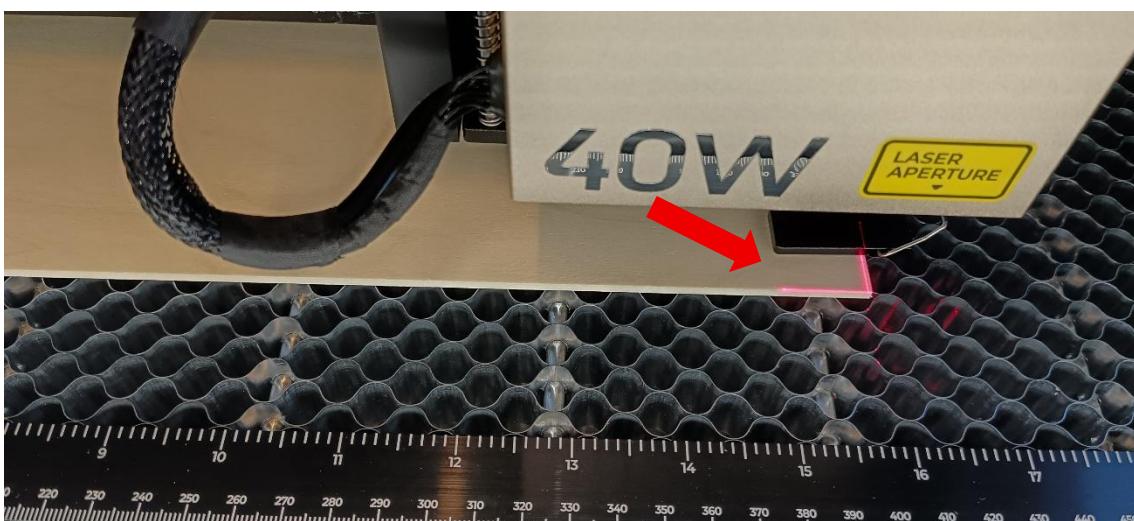




Premem el botó de la talladora perquè memoritzi el punt,



Movem el capçal al punt inferior dret,



Tornem a tocar el botó,





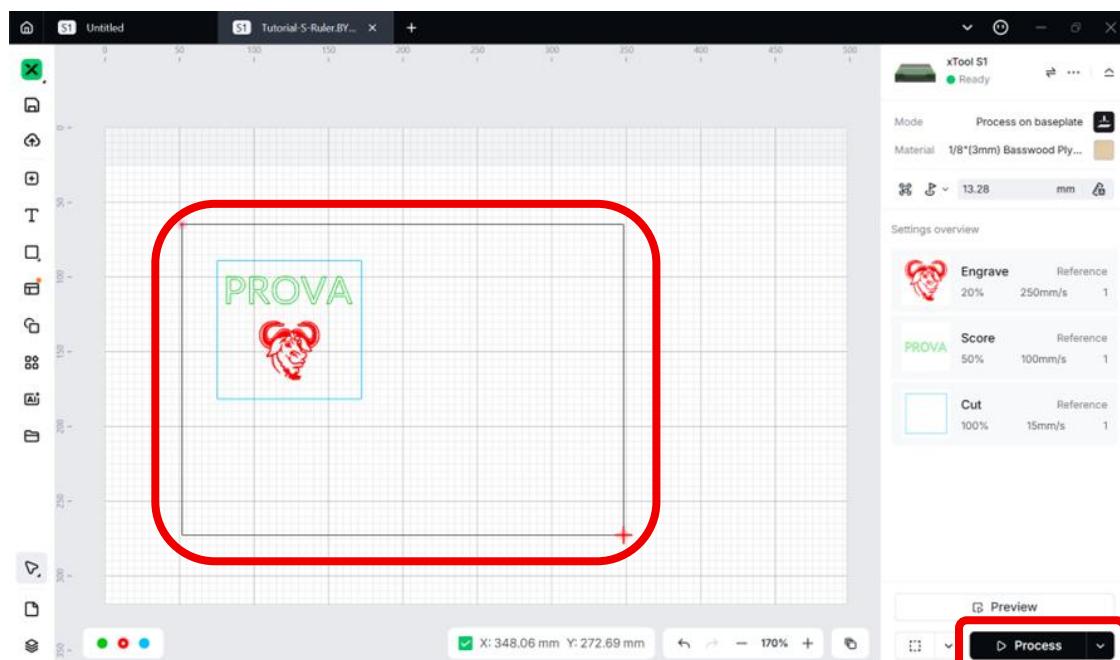
Acaben de marcar els punts,



Tanquem la tapa de la màquina,

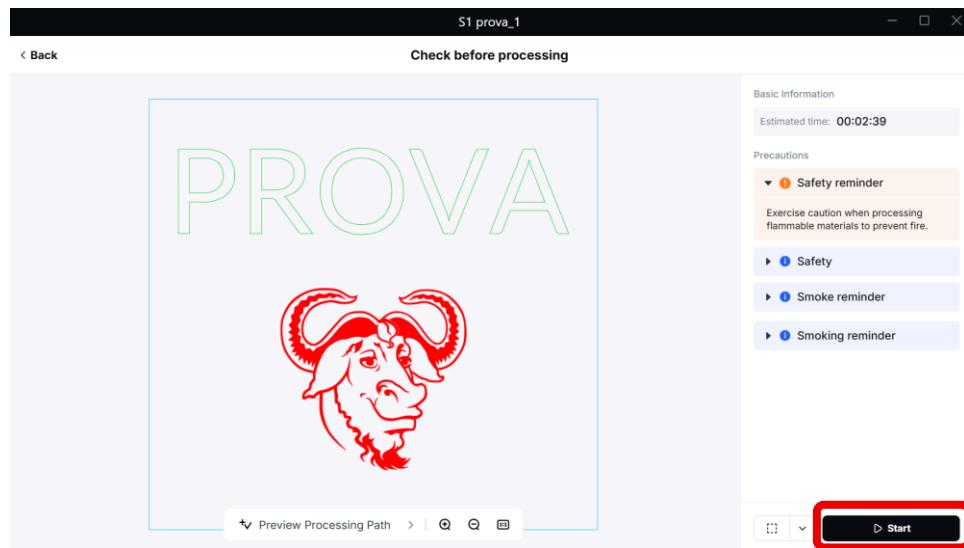


I situem el treball a sobre de la superfície de treball, i fent clic al botó per començar el procés,





Premem el botó de començar,

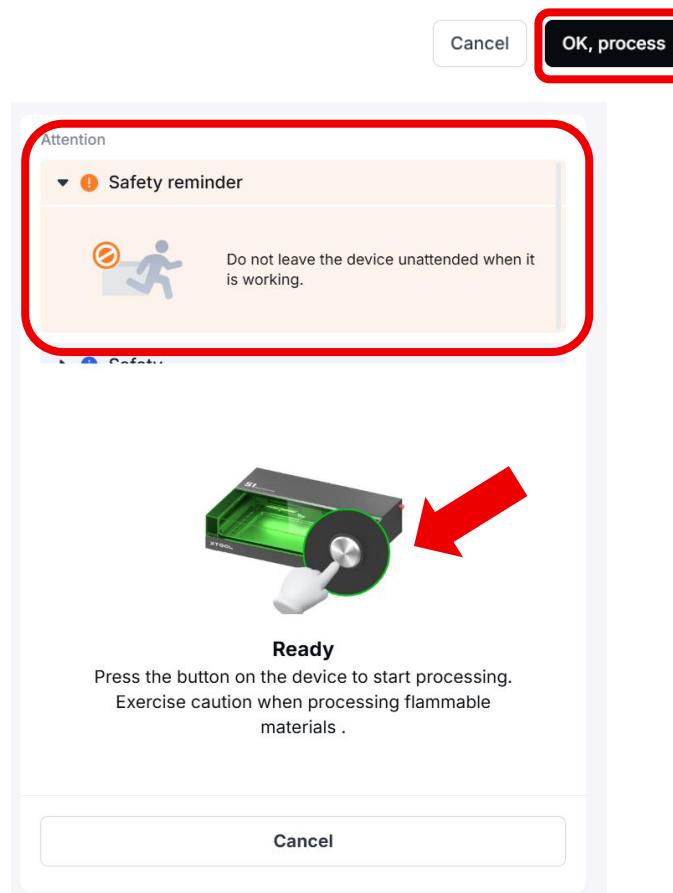


Ens avisa que la superfície ha d'estar neta i que la màquina ha d'estar supervisada en tot moment,

! Tips

A high power and low speed have been set for this processing task:

1. Ensure that the baseplate is clean without any wood or other combustible residues.
2. Pay attention to the material processing status inside the machine.

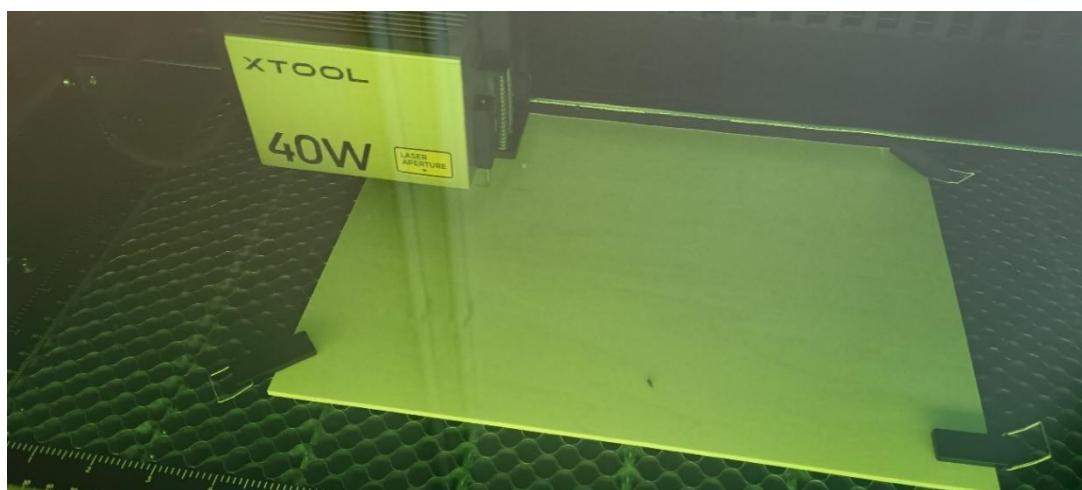




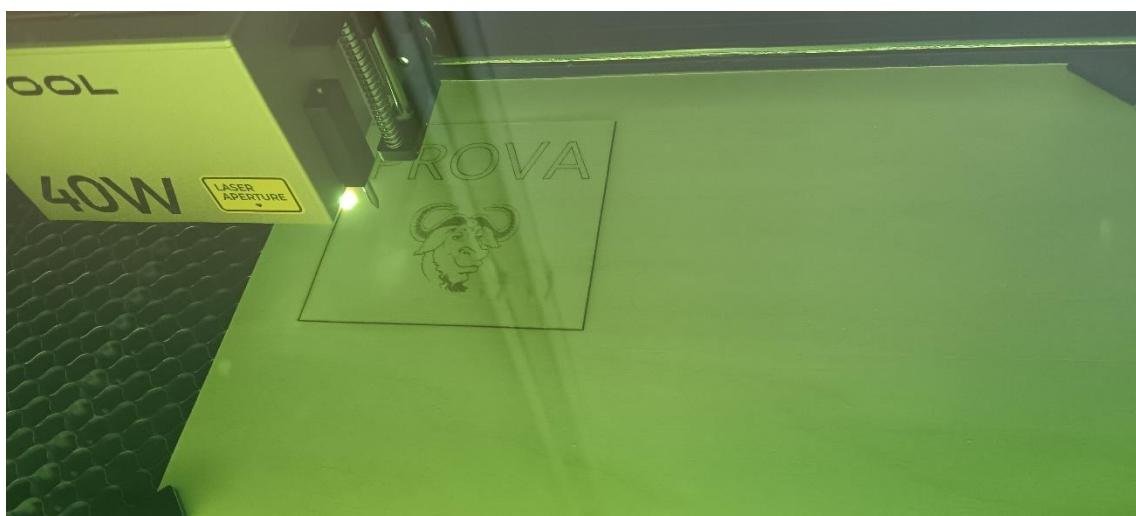
Ara envia les ordres a la màquina i tocant el botó de la màquina, començarà a treballar,



Primer farà el marcat i gravat,



I finalment, el tall,



[Vídeo](#)



Quan acabi, el capçal es mourà al cantó,



I tindrem la feina acabada,



Retirem el material,





I tindrem el resultat del treball,



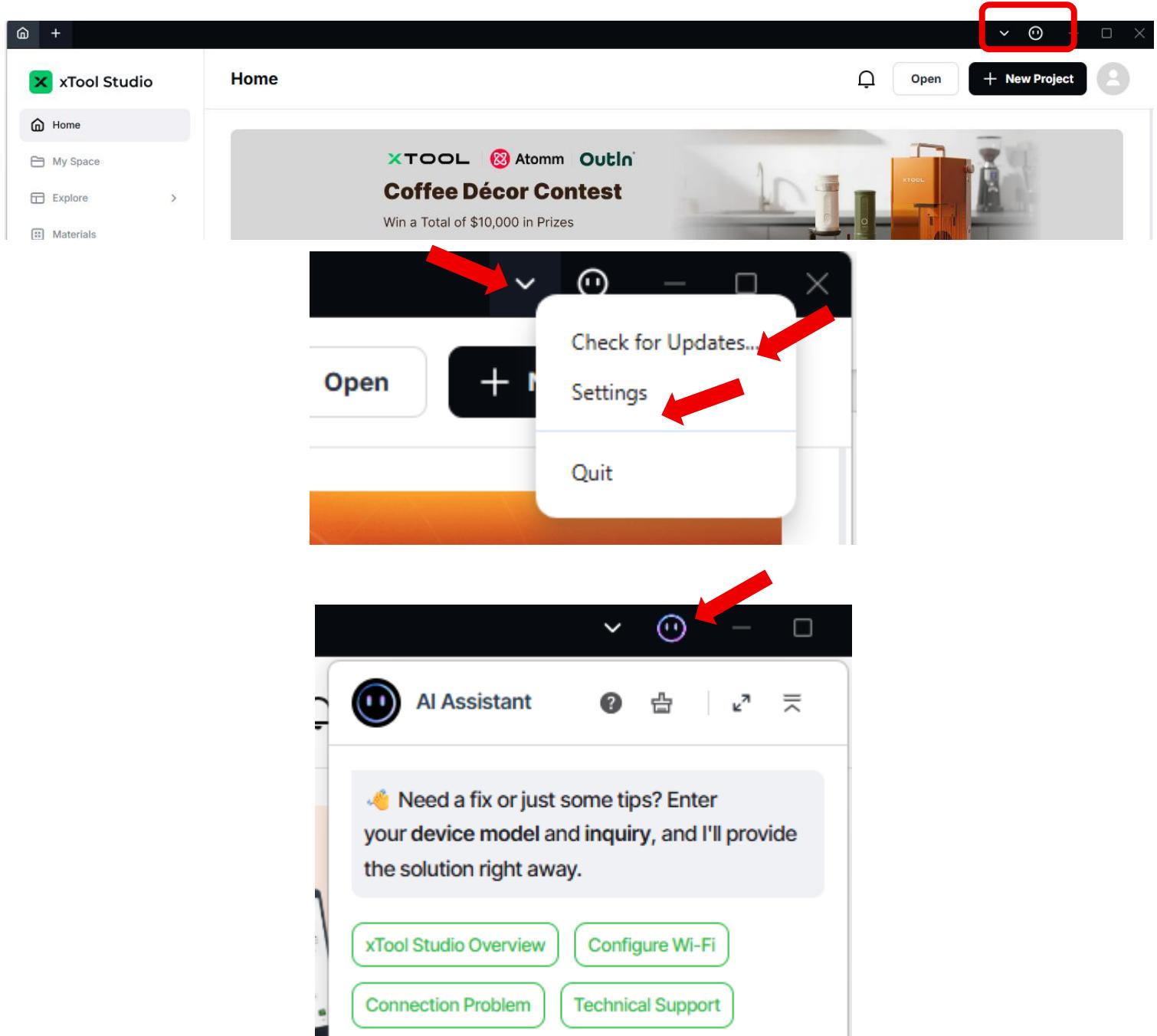


3.- Paràmetres i materials

Ja hem fet servir xTools Studio per enviar un fitxer i materialitzar la nostra feina mitjançant la talladora, però aquest software té moltes més aplicacions i utilitats. Veurem els més importants.

3.1. Ajustar paràmetres i guies d'usuari.

A la barra superior podem buscar actualitzacions o canviar els paràmetres inicials. Disposem també d'un assistent IA que pot resoldre alguns dubtes.





xTool Studio Settings

X

General

Editor

Device

About xTool Studio

General

Unit (Ctrl+K)

 mm in

Language

English



Hotkeys

View

Editor

Canvas

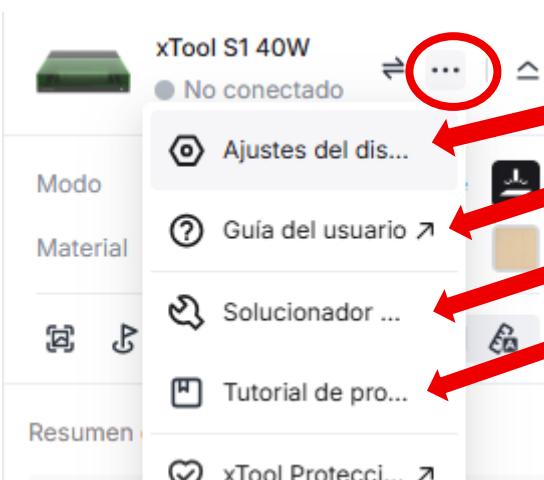
 Auto-snapping (Ctrl+R) Precise vector path selection Display vector fill Use dark canvas

Imported image too large for the canvas

Ask me every time



En obrir un projecte, dintre de l'apartat de la màquina, podrem modificar paràmetres com el temps de funcionament del filtre, ajustar l'alarma d'incendis, els paràmetres de l'assistent d'aire, etc.. També tindrem accés a la guia de l'usuari, solucionador de problemes i tutorials.





Device settings



xTool S1

Basic info

Working info

Accessory Infor...

Working info

Export elements on the canvas as GCode

Export



Flame alarm

Low sensitivity

High sensitivity

Stops when moved



Lens protector cleaning reminder



Fill light brightness

70 %

Auto-adjustment for the air assist set

Cut

0

1

2

3

4



3.2. Superfície de treball i materials.

Podrem triar la superfície de treball, si fem servir accessoris o si hem de treballar en un material que no és pla,

The screenshot shows the xTool S1 40W software interface. At the top, it displays "xTool S1 40W" and "No conectado". Below this, the "Modo" (Mode) is set to "Procesar en placa base" (Process on build plate), indicated by a green checkmark icon. A red circle highlights this icon. To the right, the "Material" (Material) is listed as "Contrachapado de made..." (Birch plywood). A red arrow points from the text "Seleccionar modo de proceso" (Select processing mode) at the bottom left towards the highlighted mode icon.

Seleccionar modo de proceso

Modo: Procesar en placa base (highlighted with a red circle)

Material: Contrachapado de made...

Red arrow pointing from the text "Seleccionar modo de proceso" to the highlighted mode icon.

Processing Modes:

- Procesar en placa base** (selected): Shows a flat wooden block on a build plate.
- Rodillo – Usar módulo rotativo**: Shows a cylindrical wooden block being processed with a rotating roller.
- Mandril – Usar módulo rotativo**: Shows a cylindrical wooden block being processed with a mandrel.
- Material curvo**: Shows a curved wooden block.
- Usar cinta transportadora**: Shows a wooden block being processed on a conveyor belt.
- Preparación de la pantalla**: Shows a screen panel being prepared.



També podem triar el tipus de material amb el qual volem treballar, ja sigui per gravar, marcar o tallar,

The screenshot shows the xTool Studio software interface. At the top, it displays the machine 'xTool S1 40W' and its status 'No conectado'. Below this, the 'Modo' (Mode) is set to 'Procesar en placa base' (Process on base plate) and the 'Material' (Material) is set to 'Contrachapado de madera de tilo de 3 mm'. A red circle highlights the material selection dropdown and the selected item. A second red circle highlights the 'Aplicación' (Application) button in the right panel, which is associated with the selected material.

En clicar al botó “Aplicación”, automàticament ens donarà els paràmetres suggerits de treball, i ens avisarà dels riscos de treballar amb el material,

! Tips



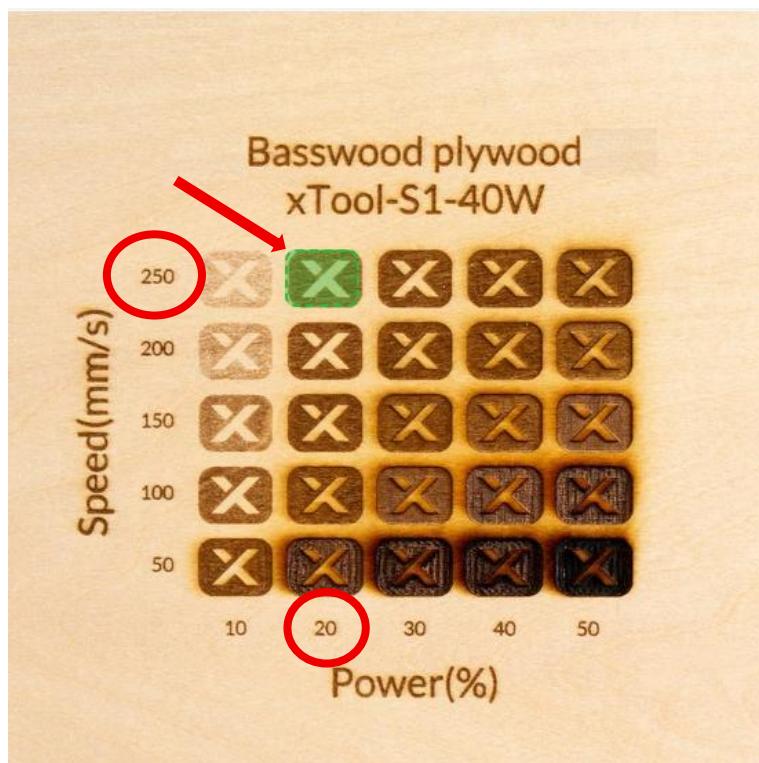
It is detected that an flammable material is to be processed. Please pay attention and exercise caution during the processing.

Got it



Podrem configurar de forma automàtica els paràmetres de cada capa que més ens interessin. Per exemple, a la capa de gravar,

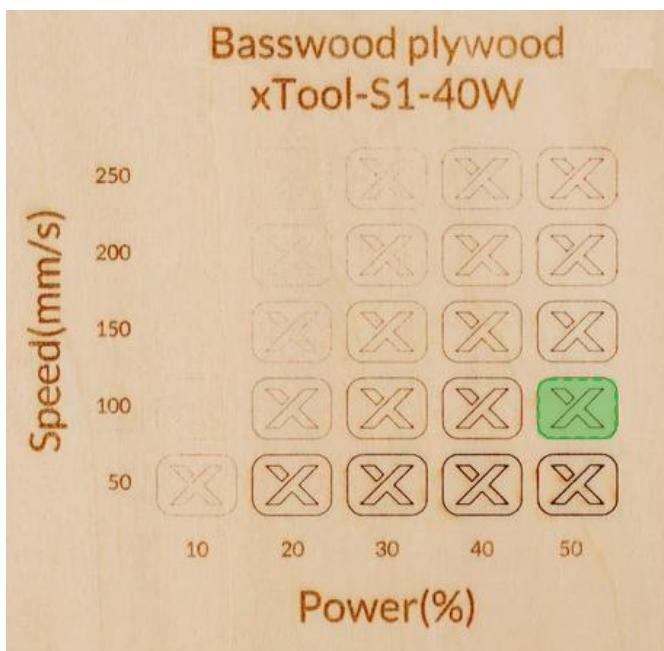
The screenshot shows the xTool Studio interface with two main panels. The left panel displays basic machine information (xTool S1 40W, No connected) and configuration for 'Procesar en placa base' (Process on build plate). The right panel shows a summary of configurations and detailed settings for 'Grabar' (Engrave), 'Marcar' (Mark), and 'Cortar' (Cut). A red box highlights the 'Grabar' section, which is then expanded into a detailed configuration dialog on the right.



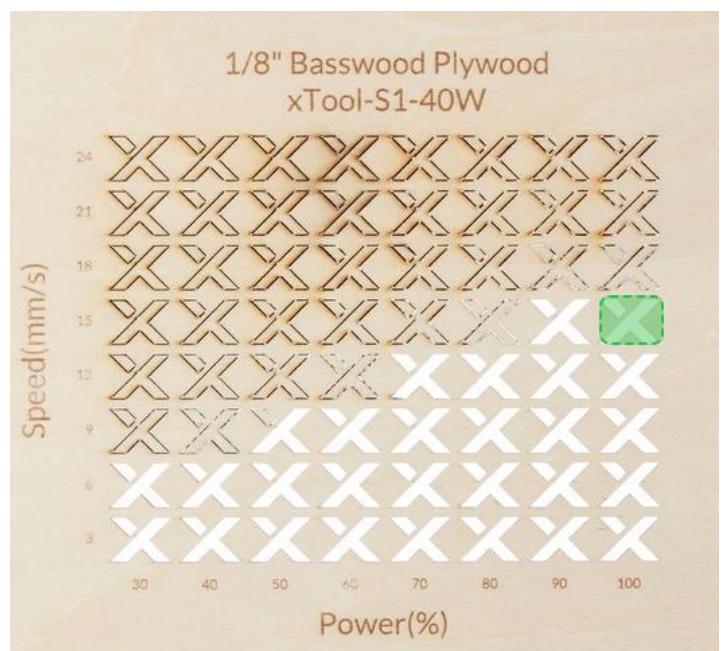
Els paràmetres suggerits apareixeran predefinitos, però podrem triar en funció dels nostres interessos.



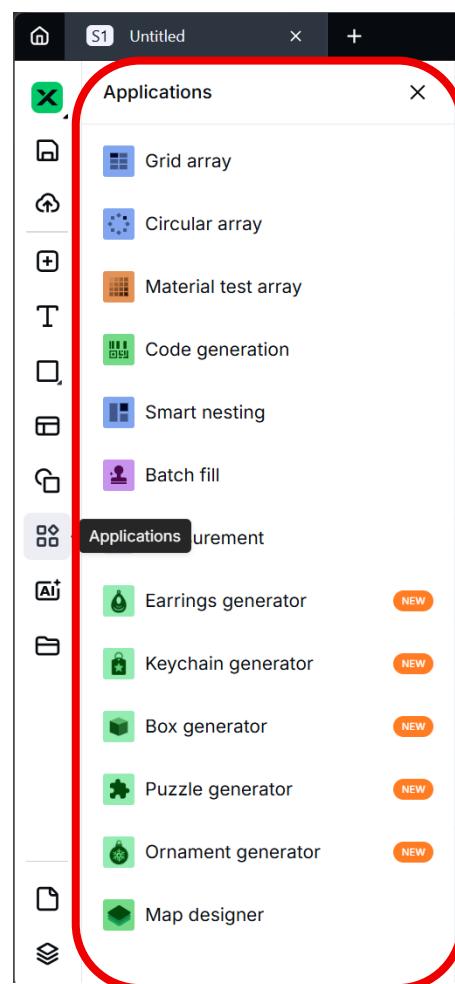
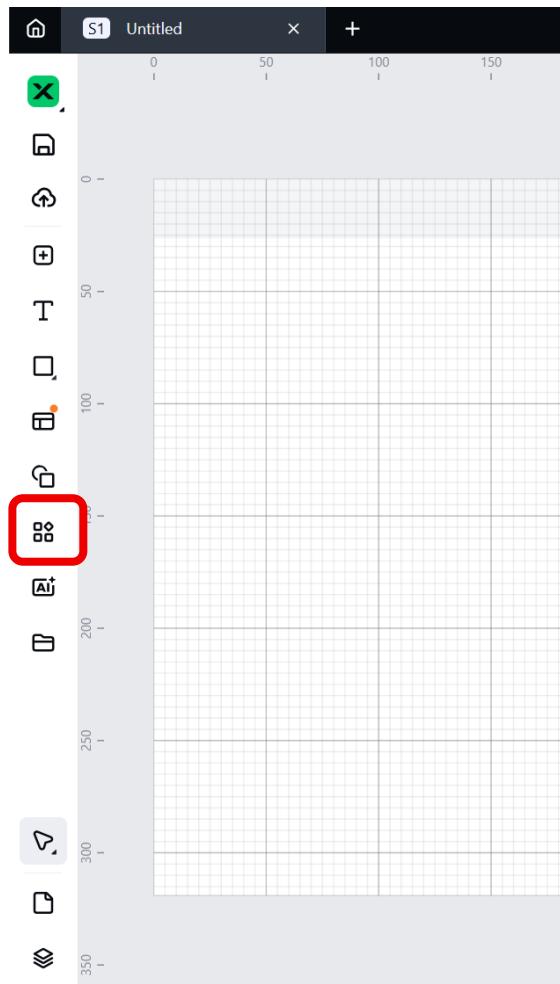
Per marcar



Per tallar



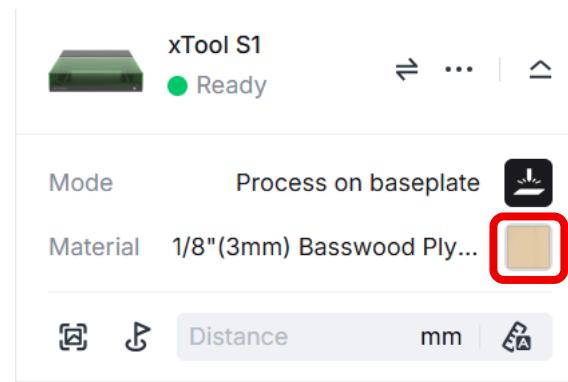
Si volem fer el nostre patró o tenim un material que no està a la seva base de dades, també disposem d'una eina per crear-los, dintre del menú d'Aplicacions.





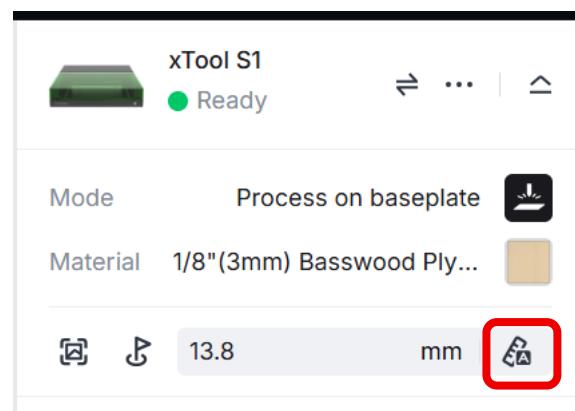
Crearem un patró nou per contraxapat de 3 mm.

1.- Triem el material



2.- Enfoquem el làser,





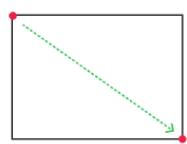
3.- Triem l'espai on treballar,

Mark processing area

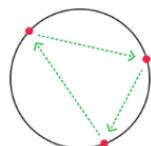
X

Select an area marking mode.

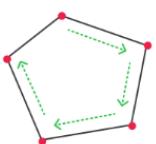
move the laser module to the target points, and press the button on the device to mark the points.



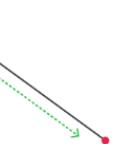
Rectangle



Circle



Polygon

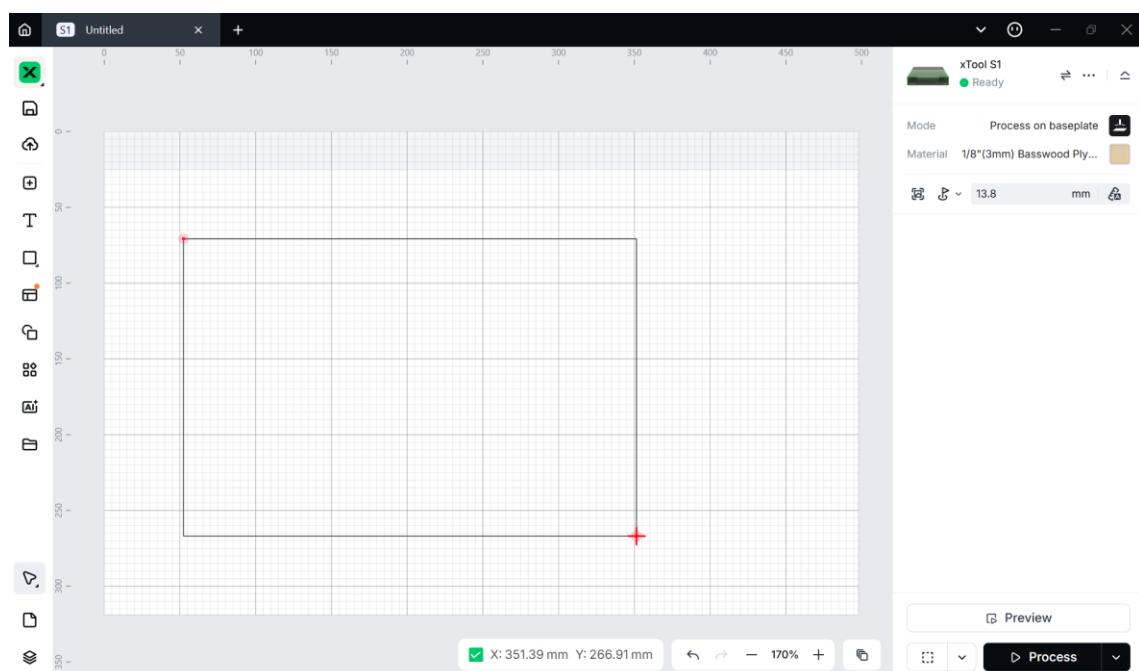


Line

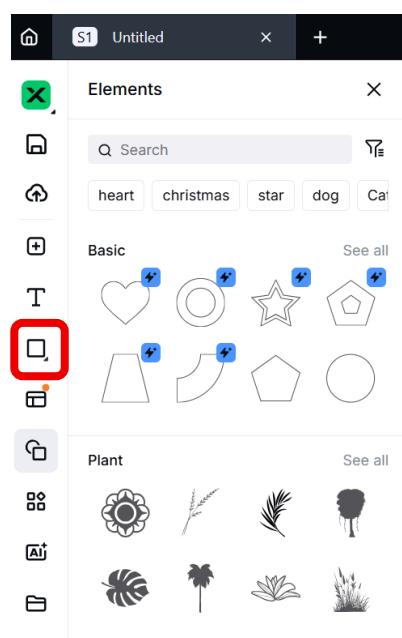
Cancel

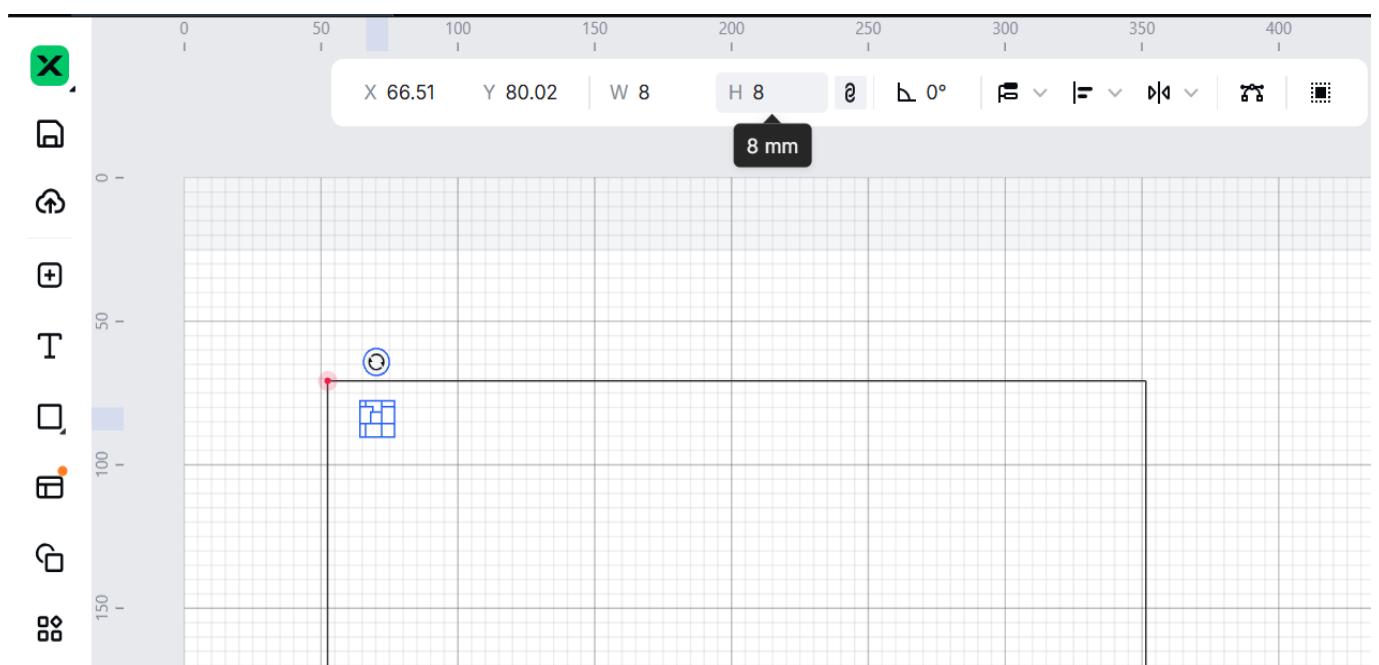
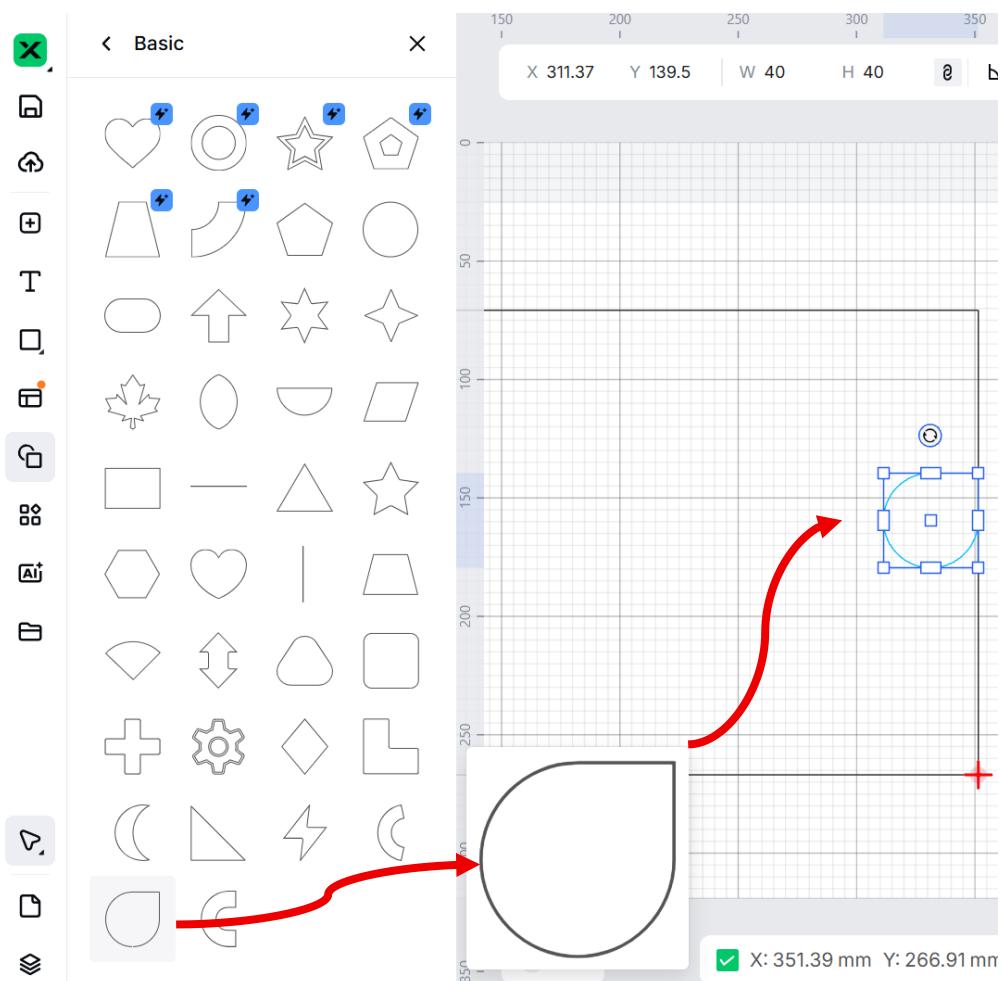
Start marking





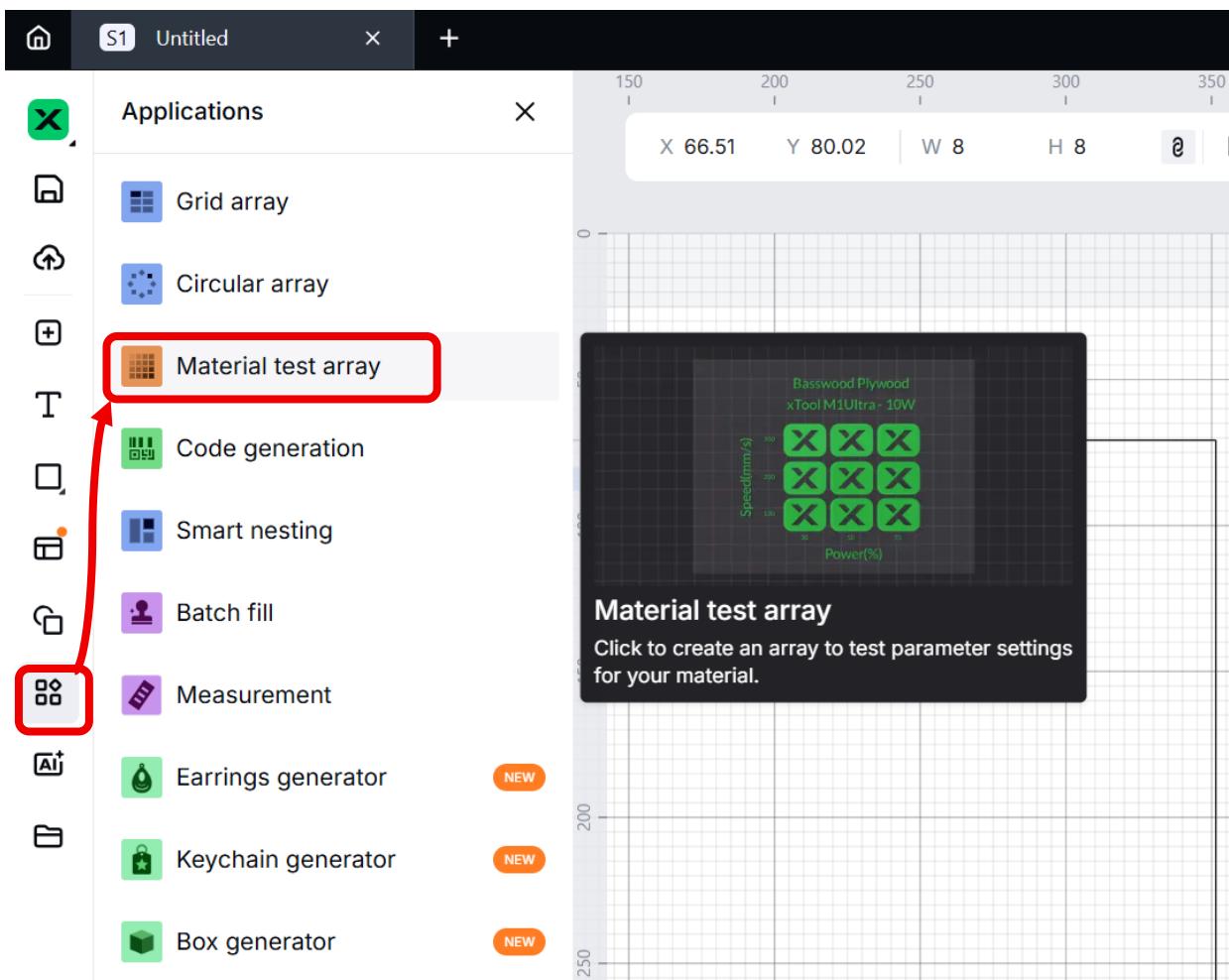
4.- Triem una figura predefinida,







5.- Obrim el menú d'Aplicacions, i triem “Conjunt de test de materials”



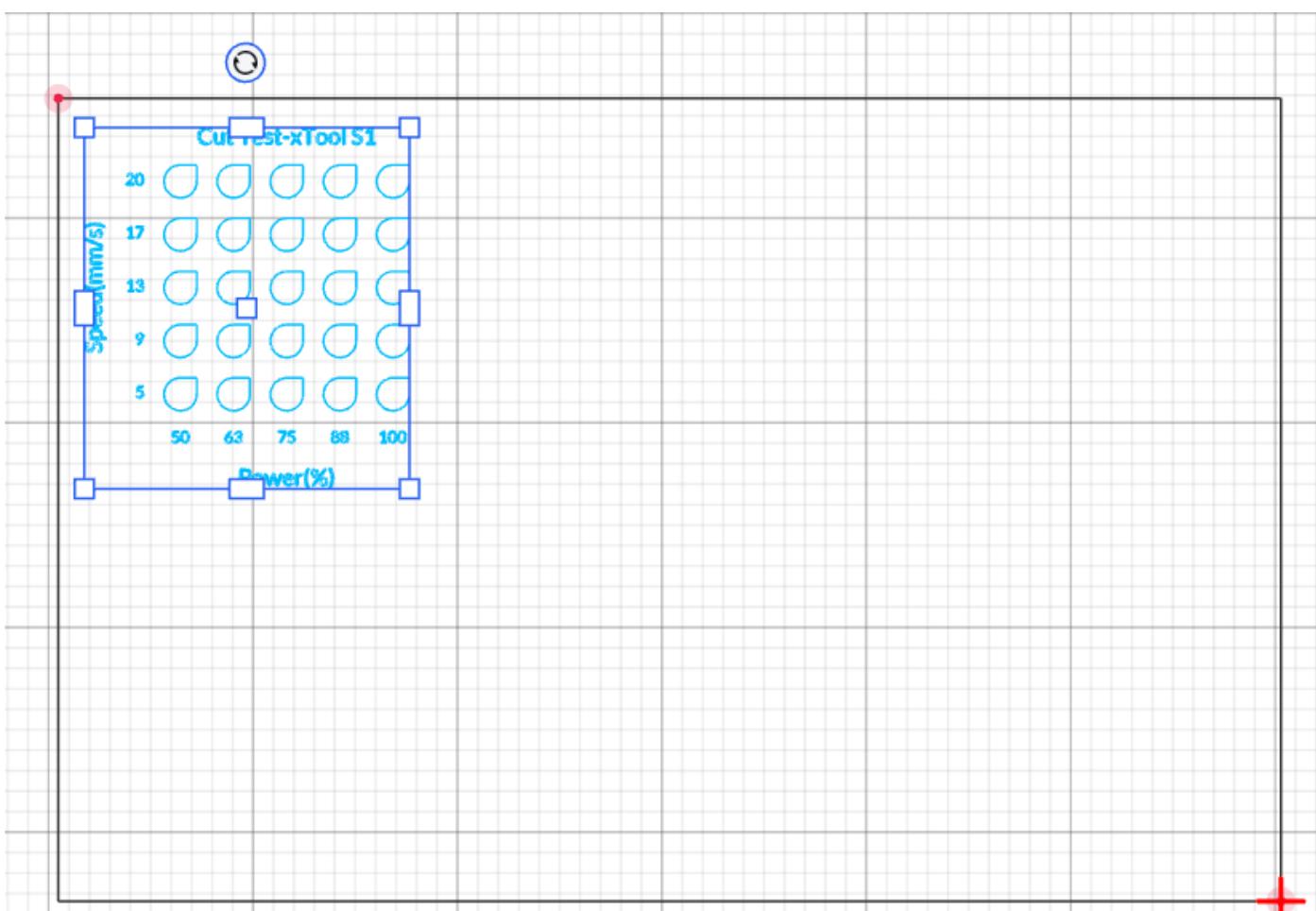
7.- Ens demanarà, les files i columnes que volem, la separació entre les figures i el rang inferior i superior de Potència i Velocitat,

Material test array

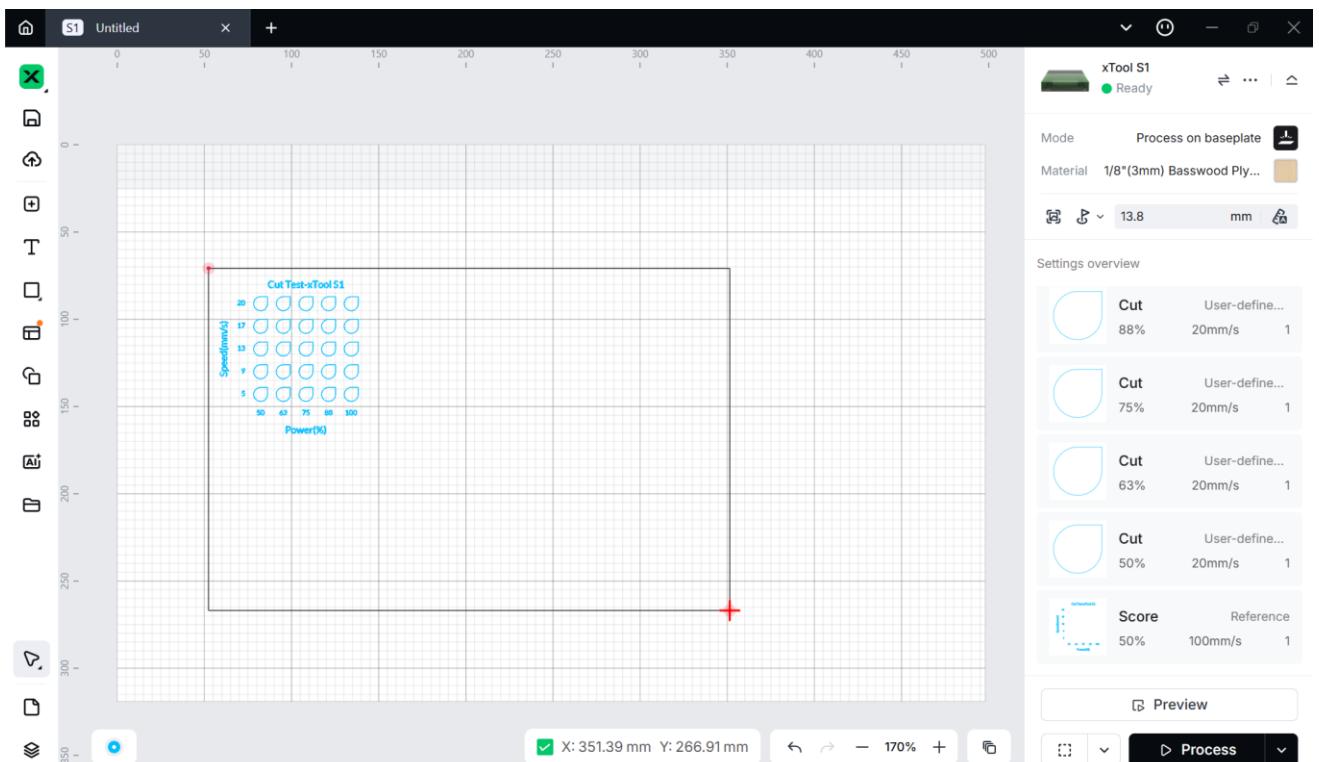
X columns	Y rows
Parameter	Parameter
Power	Speed
Max.(%)	Max.(mm/s)
100	20
Min.(%)	Min.(mm/s)
50	5
Columns	Rows
5	5
Spacing(mm)	Spacing(mm)
5	5

Done

Automàticament generarà el fitxer de treball.

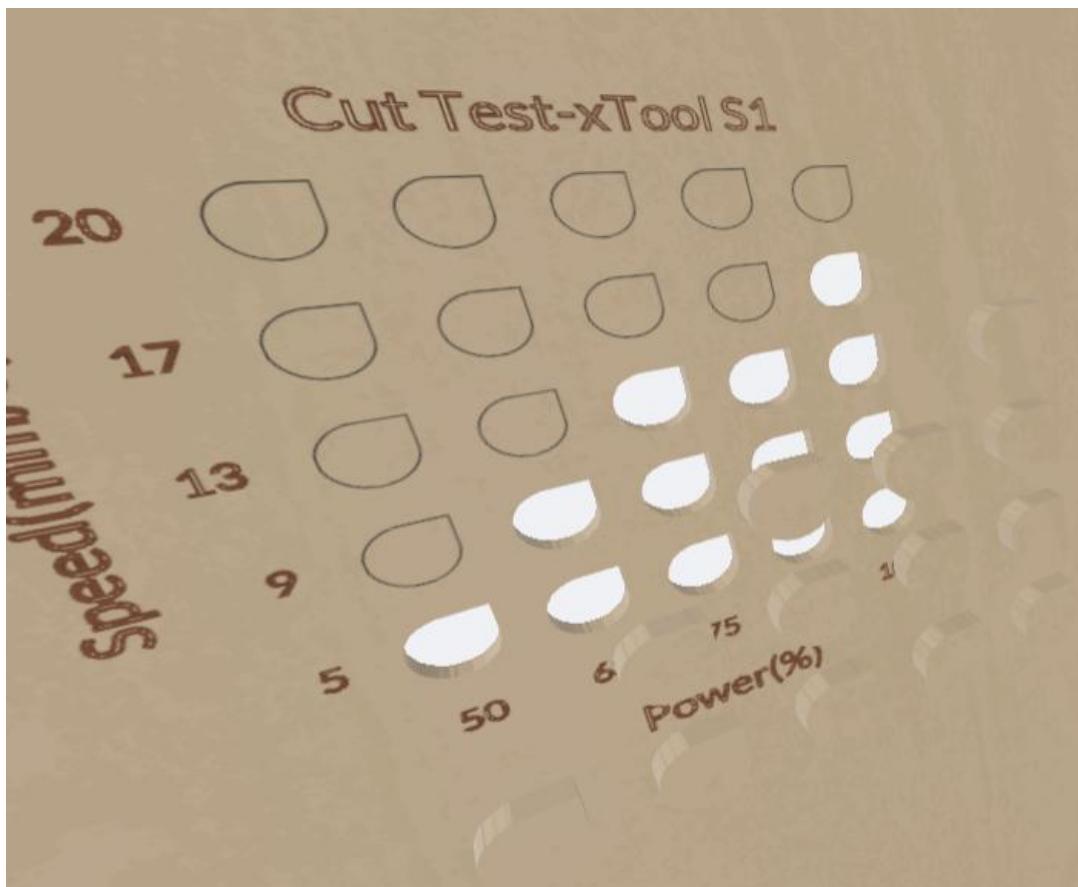


Si fem clic a sobre, veurem els paràmetres de tall de cada figura,

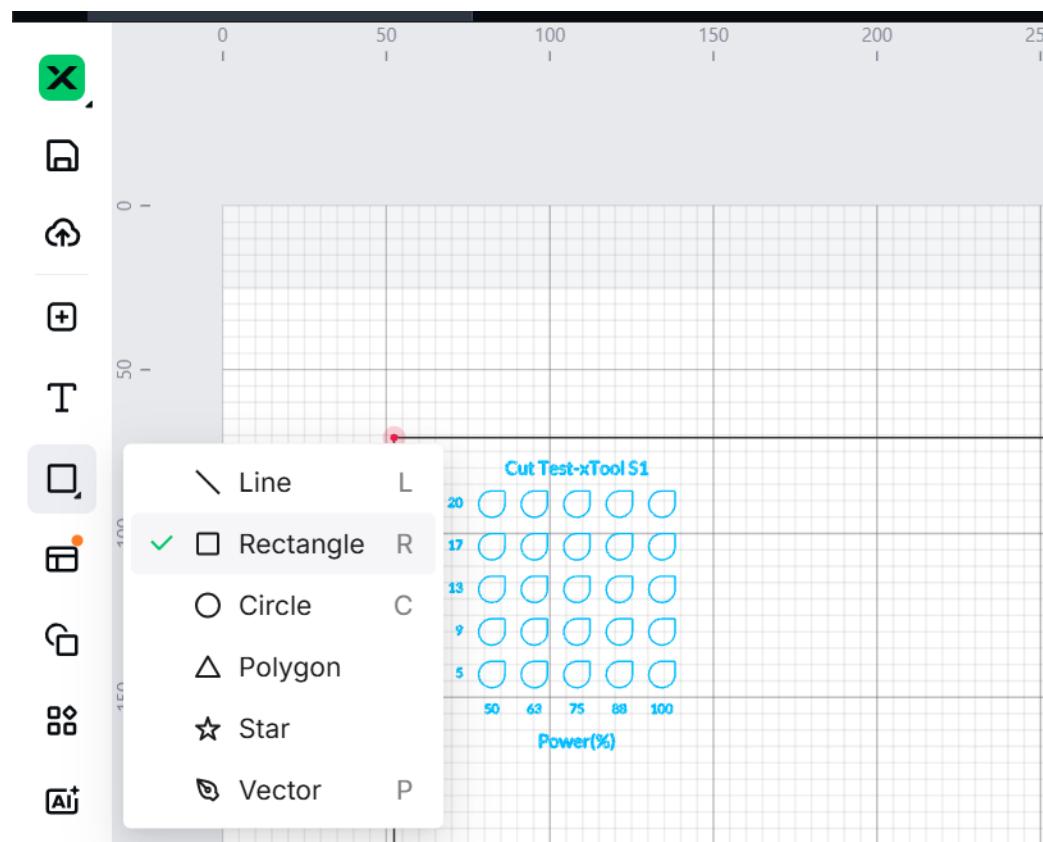


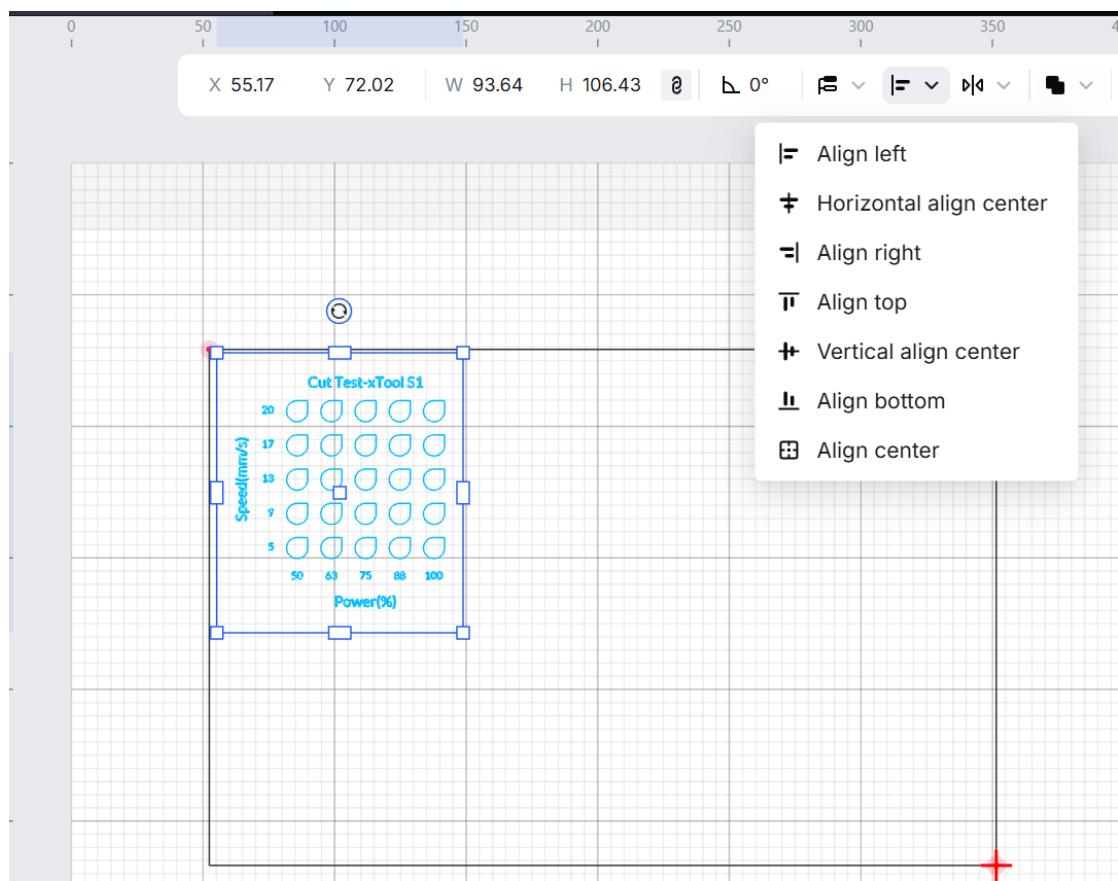


Podem fer una vista prèvia del resultat,

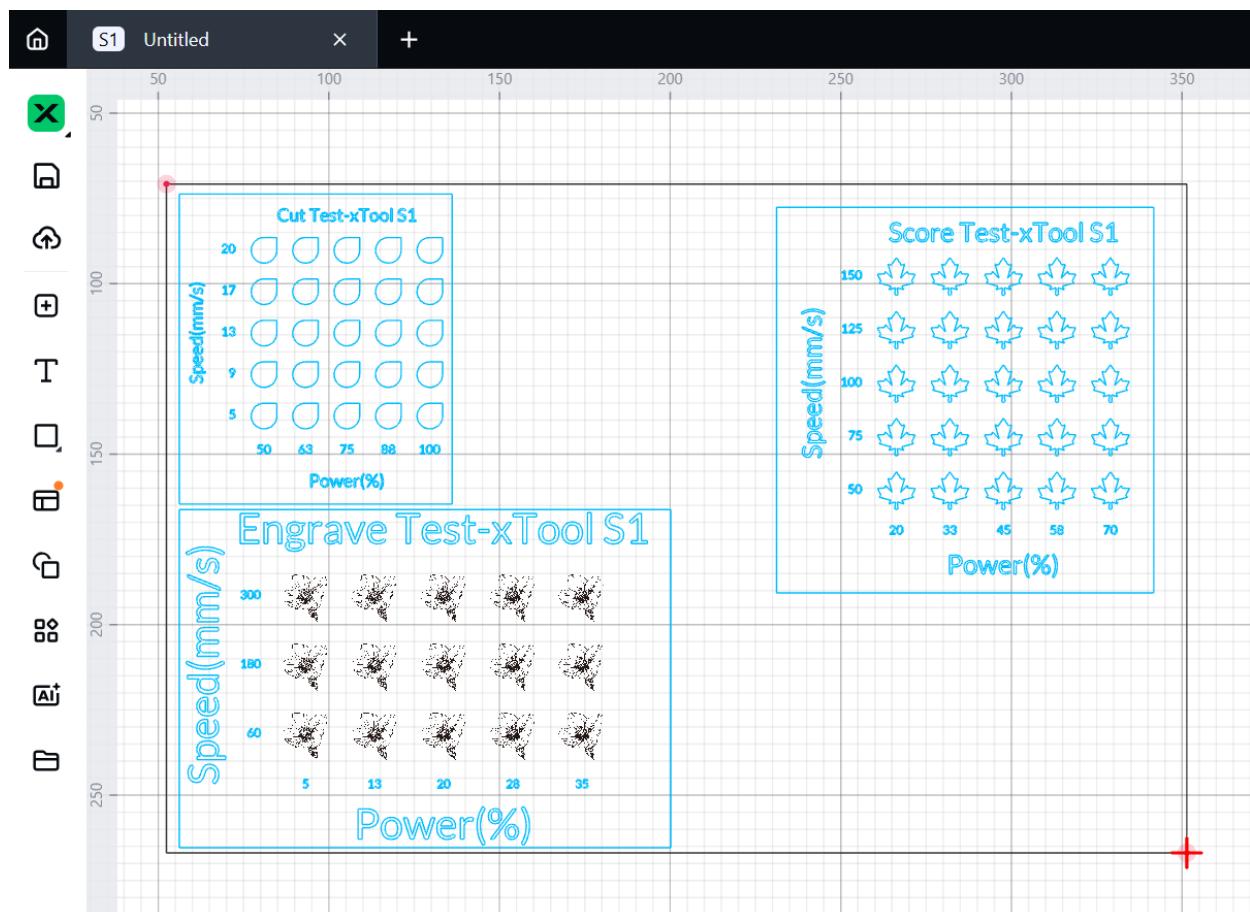


Afegim un rectangle de tall,





I podem aprofitar per provar el gravat i el marcat, repetim el procés,

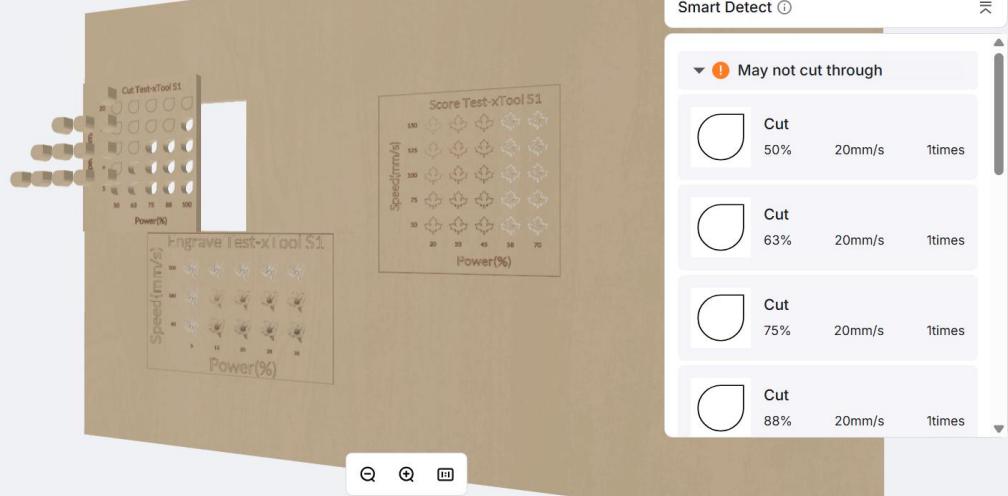




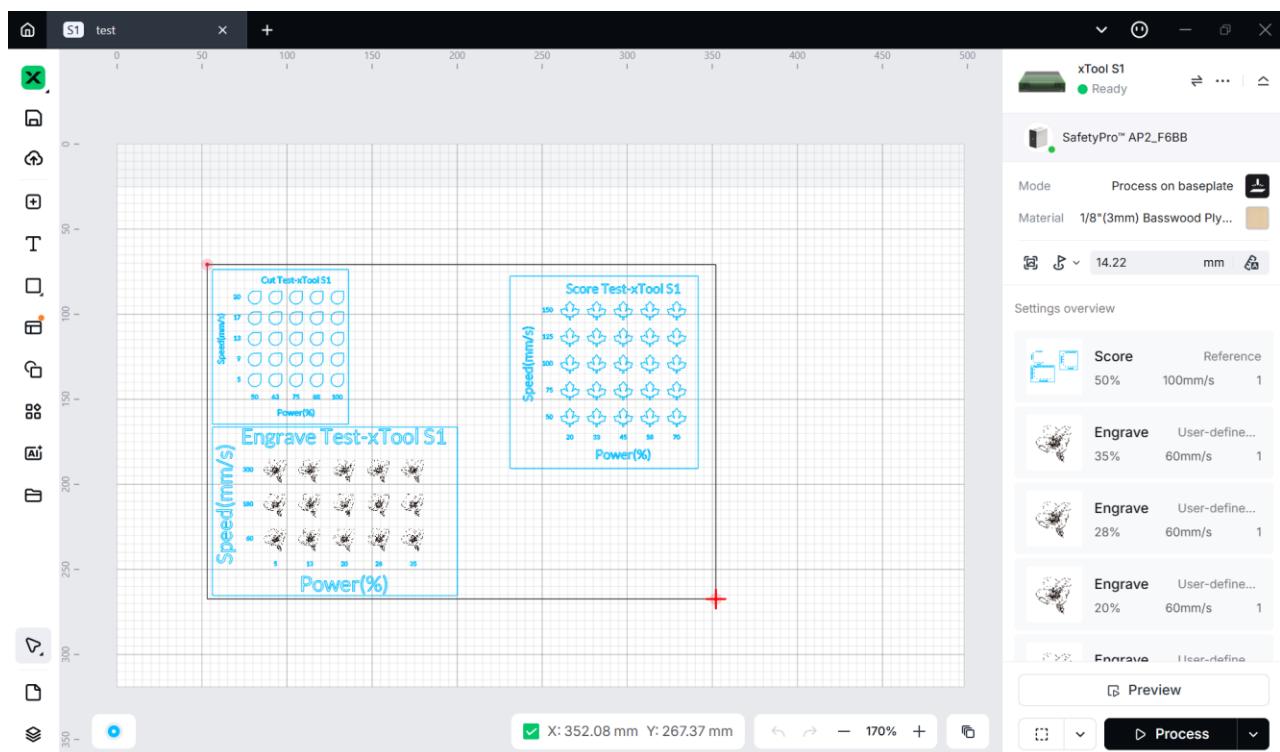
Preview Beta

X

Tip: Simulation based on the Official material the Easyset parameter matrix (for reference only).



Si estem satisfets, podem enviar a la màquina,





S1 test

Check before processing

< Back

Basic Information
Estimated time: 00:15:13

Precautions
 ► Risk of Incomplete Cut-Through
 ▾ Safety reminder
Exercise caution when processing flammable materials to prevent fire.
 ► Safety

Out Test-xTool S1

Speed(mm/s)	Power(%)	Icon
10	10	○
10	20	○
10	30	○
10	40	○
10	50	○
10	60	○
10	70	○
10	80	○
10	90	○
10	100	○
20	10	○
20	20	○
20	30	○
20	40	○
20	50	○
20	60	○
20	70	○
20	80	○
20	90	○
20	100	○
30	10	○
30	20	○
30	30	○
30	40	○
30	50	○
30	60	○
30	70	○
30	80	○
30	90	○
30	100	○
40	10	○
40	20	○
40	30	○
40	40	○
40	50	○
40	60	○
40	70	○
40	80	○
40	90	○
40	100	○
50	10	○
50	20	○
50	30	○
50	40	○
50	50	○
50	60	○
50	70	○
50	80	○
50	90	○
50	100	○
60	10	○
60	20	○
60	30	○
60	40	○
60	50	○
60	60	○
60	70	○
60	80	○
60	90	○
60	100	○
70	10	○
70	20	○
70	30	○
70	40	○
70	50	○
70	60	○
70	70	○
70	80	○
70	90	○
70	100	○
80	10	○
80	20	○
80	30	○
80	40	○
80	50	○
80	60	○
80	70	○
80	80	○
80	90	○
80	100	○
90	10	○
90	20	○
90	30	○
90	40	○
90	50	○
90	60	○
90	70	○
90	80	○
90	90	○
90	100	○
100	10	○
100	20	○
100	30	○
100	40	○
100	50	○
100	60	○
100	70	○
100	80	○
100	90	○
100	100	○

Score Test-xTool S1

Speed(mm/s)	Power(%)	Icon
10	10	○
10	20	○
10	30	○
10	40	○
10	50	○
10	60	○
10	70	○
10	80	○
10	90	○
10	100	○
20	10	○
20	20	○
20	30	○
20	40	○
20	50	○
20	60	○
20	70	○
20	80	○
20	90	○
20	100	○
30	10	○
30	20	○
30	30	○
30	40	○
30	50	○
30	60	○
30	70	○
30	80	○
30	90	○
30	100	○
40	10	○
40	20	○
40	30	○
40	40	○
40	50	○
40	60	○
40	70	○
40	80	○
40	90	○
40	100	○
50	10	○
50	20	○
50	30	○
50	40	○
50	50	○
50	60	○
50	70	○
50	80	○
50	90	○
50	100	○
60	10	○
60	20	○
60	30	○
60	40	○
60	50	○
60	60	○
60	70	○
60	80	○
60	90	○
60	100	○
70	10	○
70	20	○
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70	80	○
70	90	○
70	100	○
80	10	○
80	20	○
80	30	○
80	40	○
80	50	○
80	60	○
80	70	○
80	80	○
80	90	○
80	100	○
90	10	○
90	20	○
90	30	○
90	40	○
90	50	○
90	60	○
90	70	○
90	80	○
90	90	○
90	100	○
100	10	○
100	20	○
100	30	○
100	40	○
100	50	○
100	60	○
100	70	○
100	80	○
100	90	○
100	100	○

Speed(mm/s)
Power(%)

View path preview

Start

! Tips

A high power and low speed have been set for this processing task:

1. Ensure that the baseplate is clean without any wood or other combustible residues.
2. Pay attention to the material processing status inside the machine.

Cancel

OK, process



Attention

▼ ! Safety reminder



Do not leave the device unattended when it is working.

◀ ▶ Safety



Ready

Press the button on the device to start processing.

Exercise caution when processing flammable materials .

Cancel





Attention

▼ ⓘ Safety reminder



Do not leave the device unattended when it is working.

◀ ⓘ Safety reminder



Processing ...

Time remaining: 00:11:19

Estimated time: 00:15:13

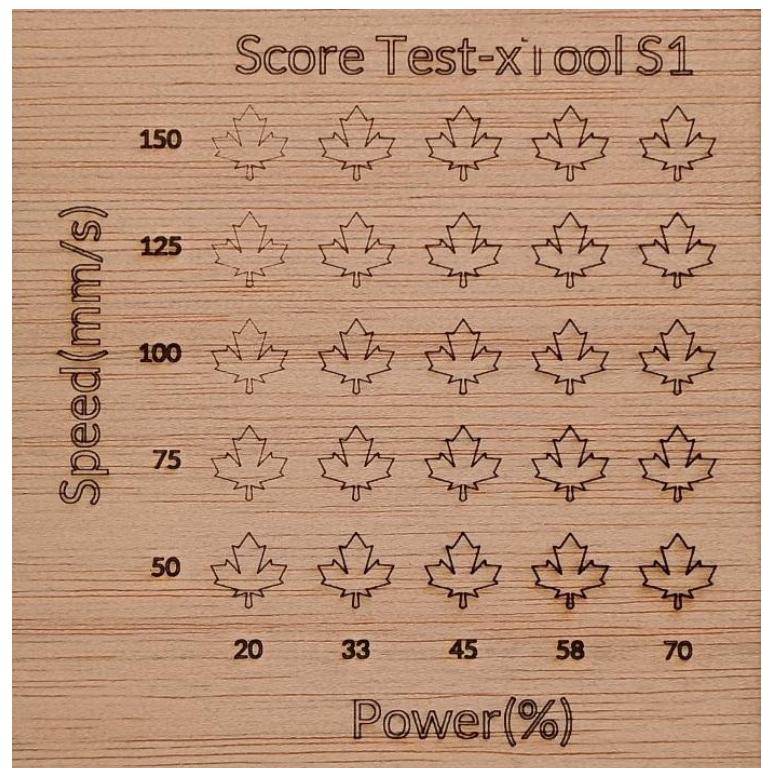
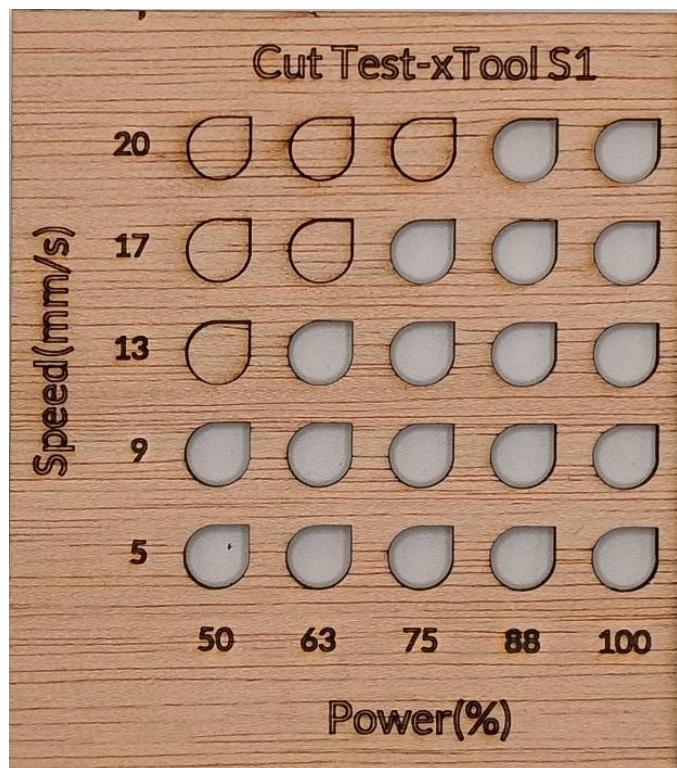
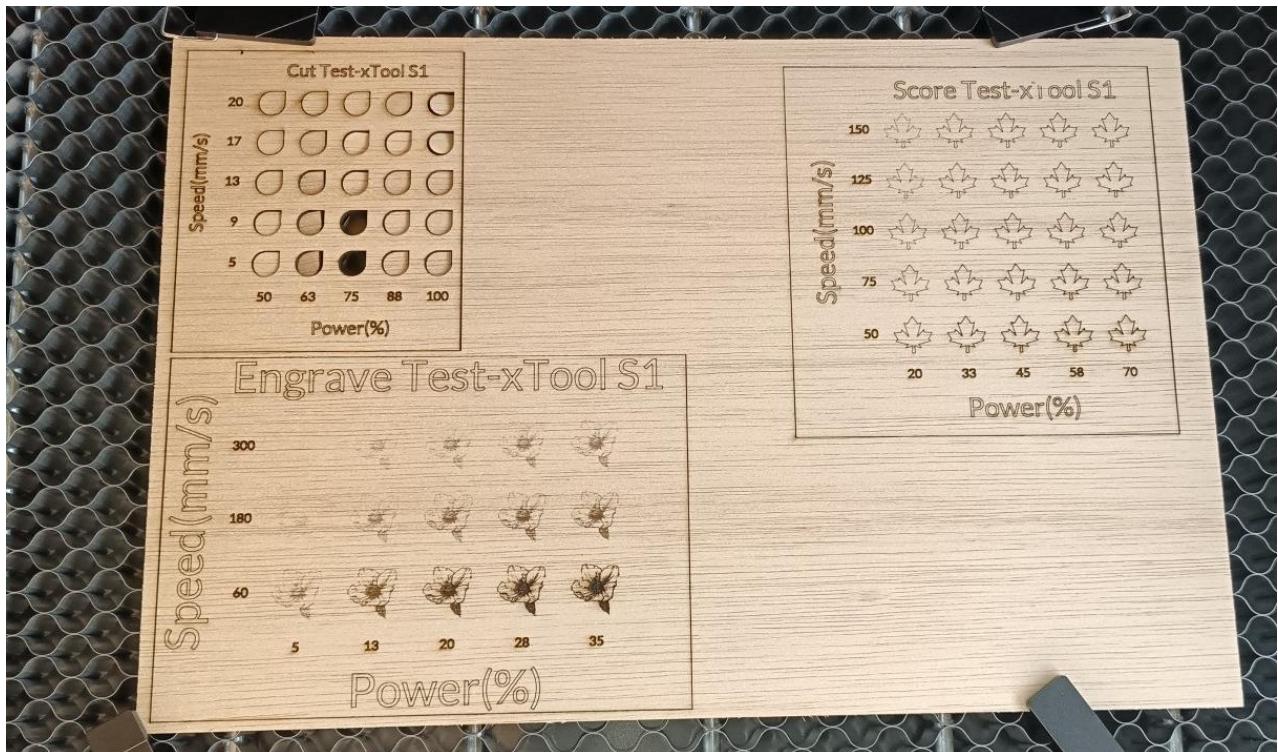
Cancel

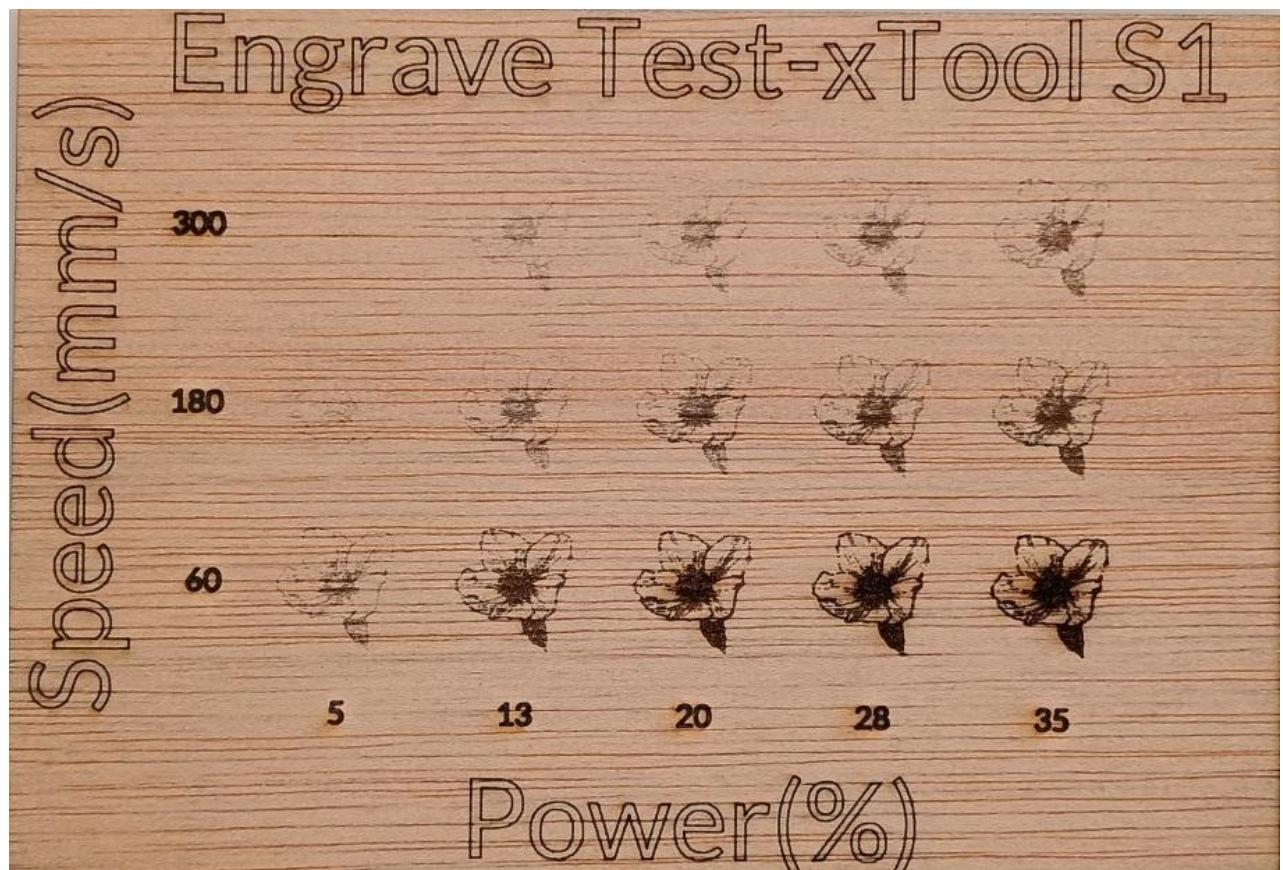
Pause



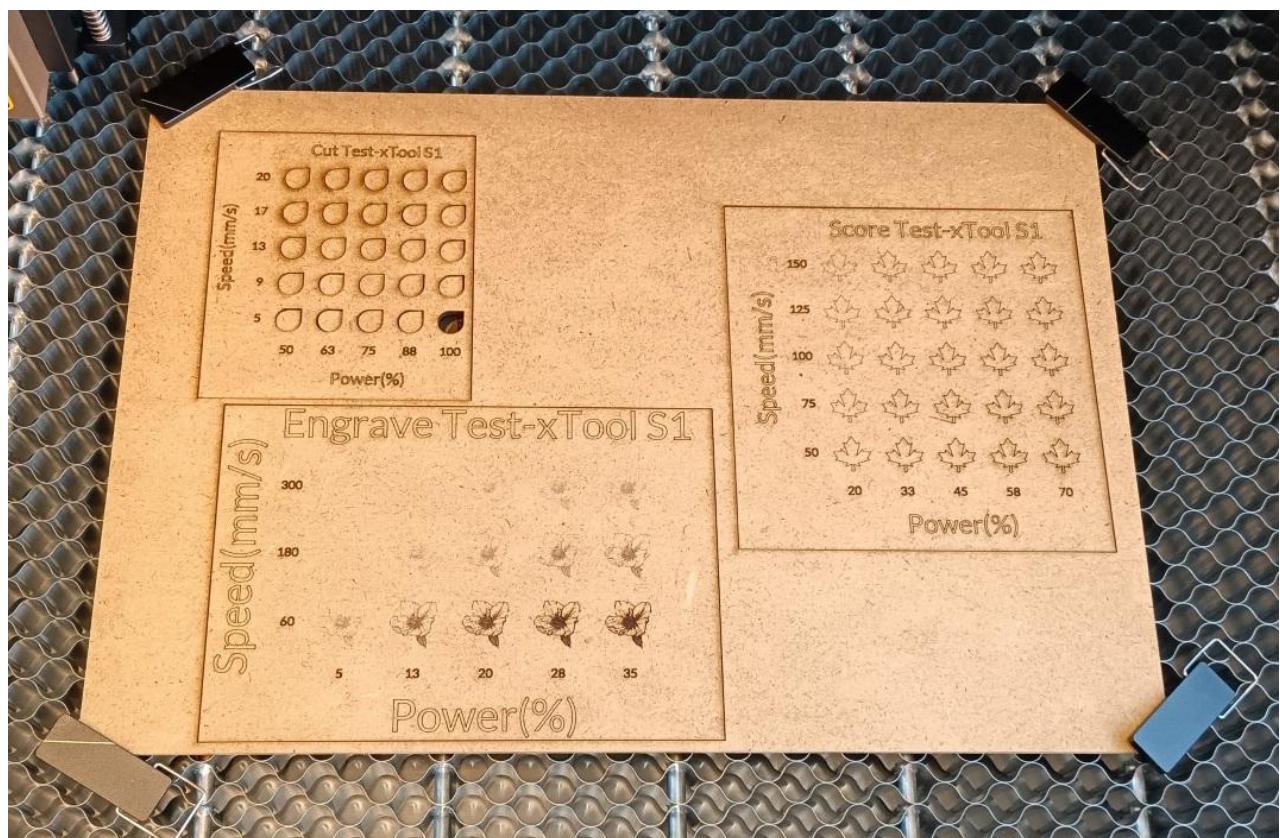


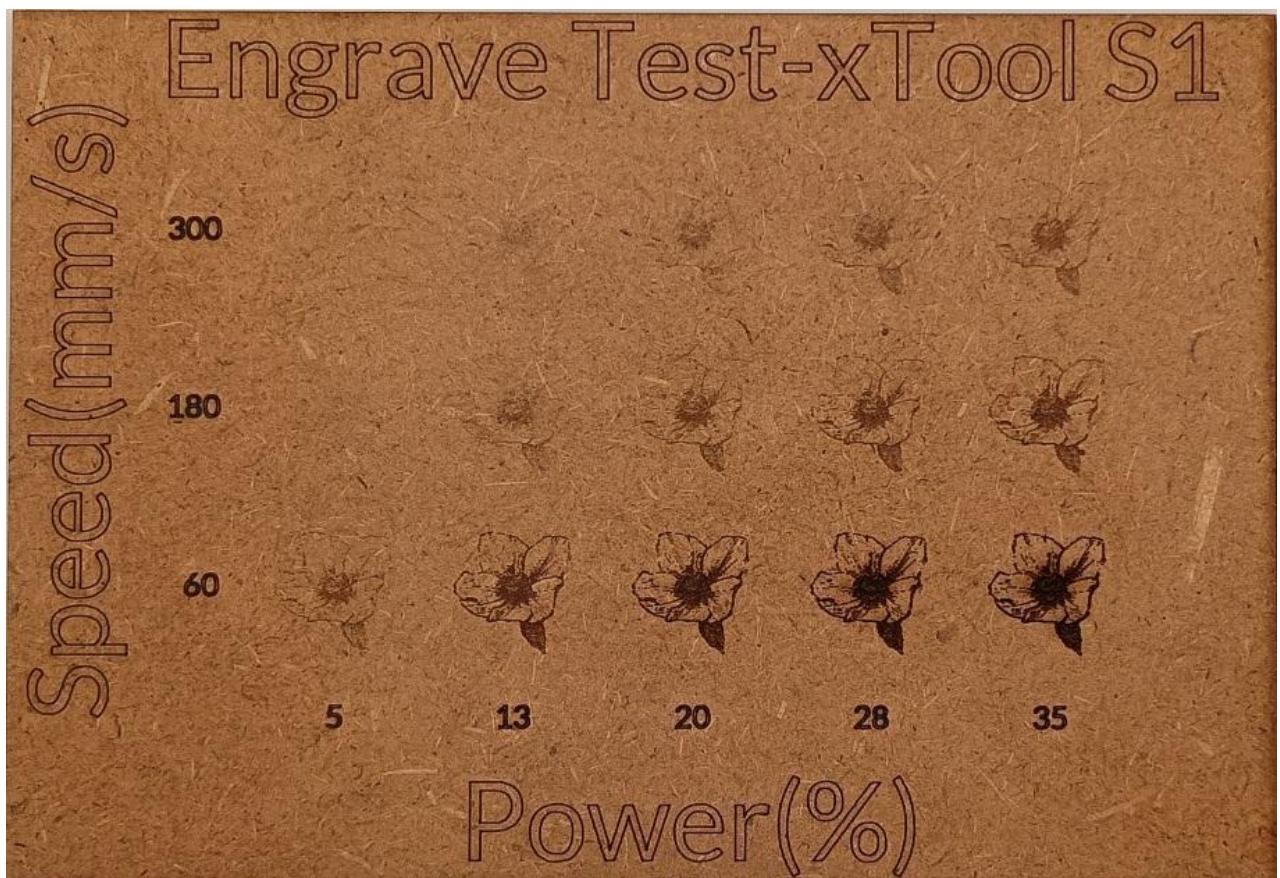
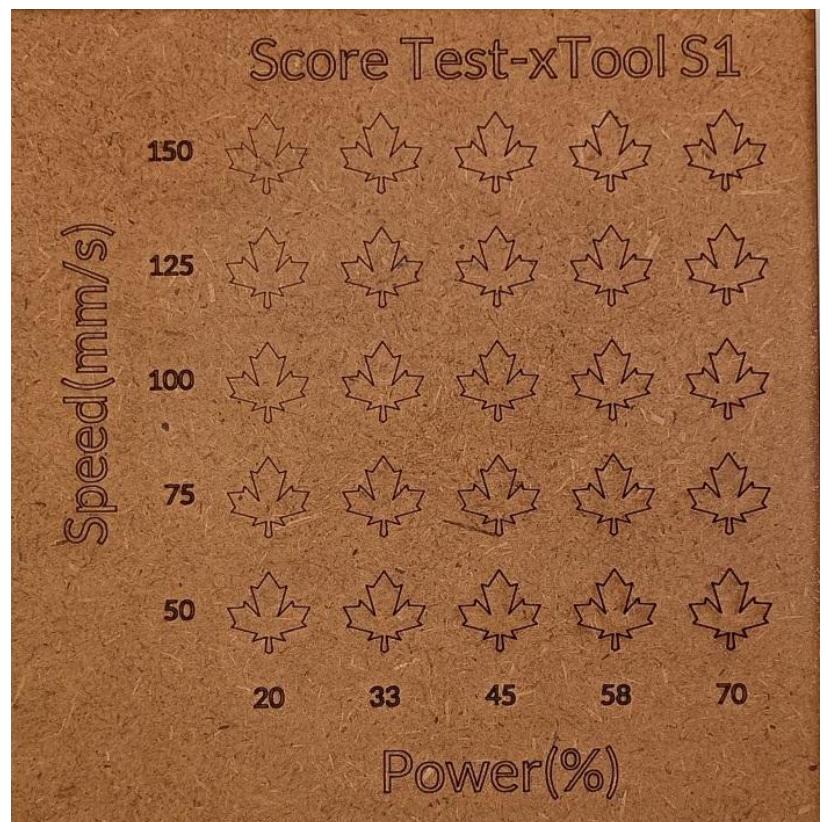
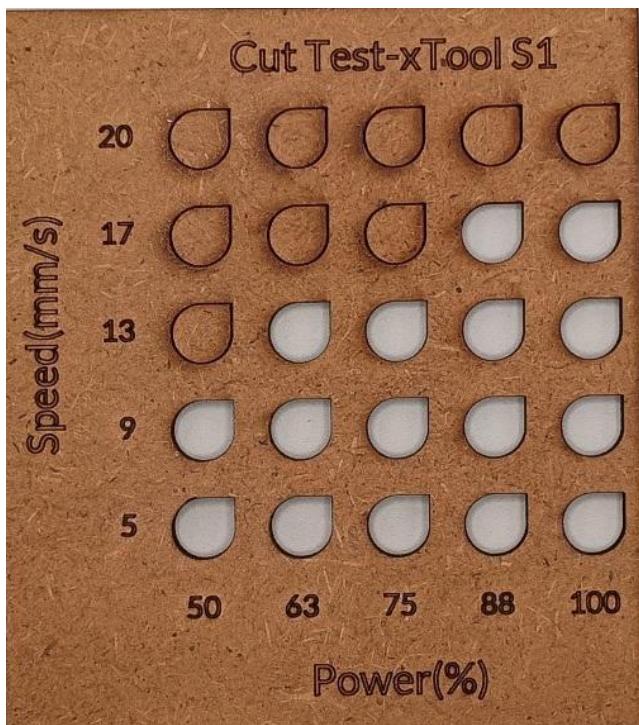
I valorar els resultats,





Amb altres materials, com MD,







Amb cartolina,

