

FABULASER

MINI

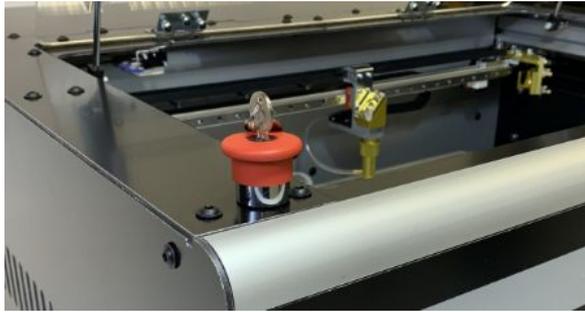
FABULASER MINI

A LASER CUTTER

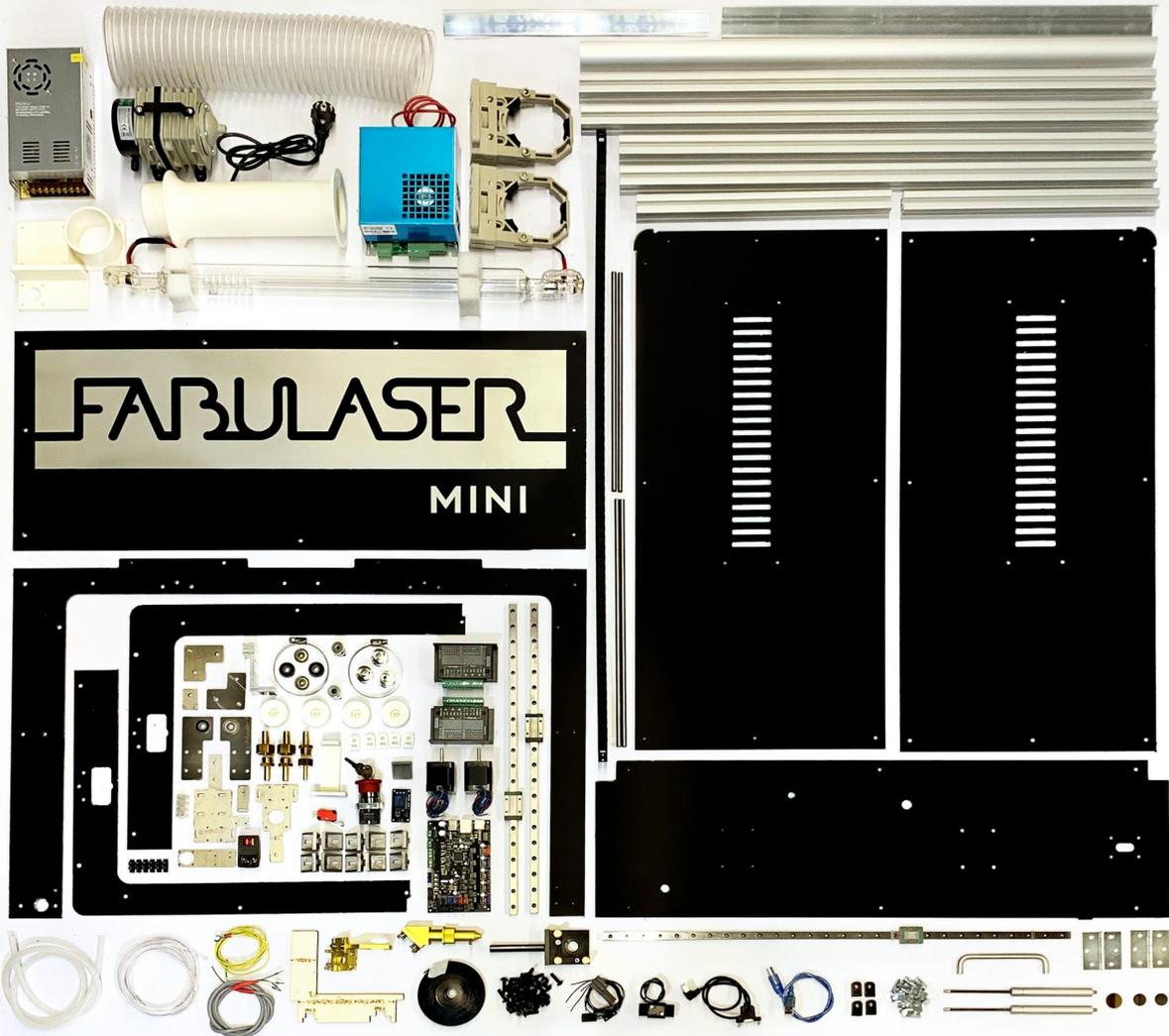
WITHIN YOUR REACH

[SEE SPECS](#)



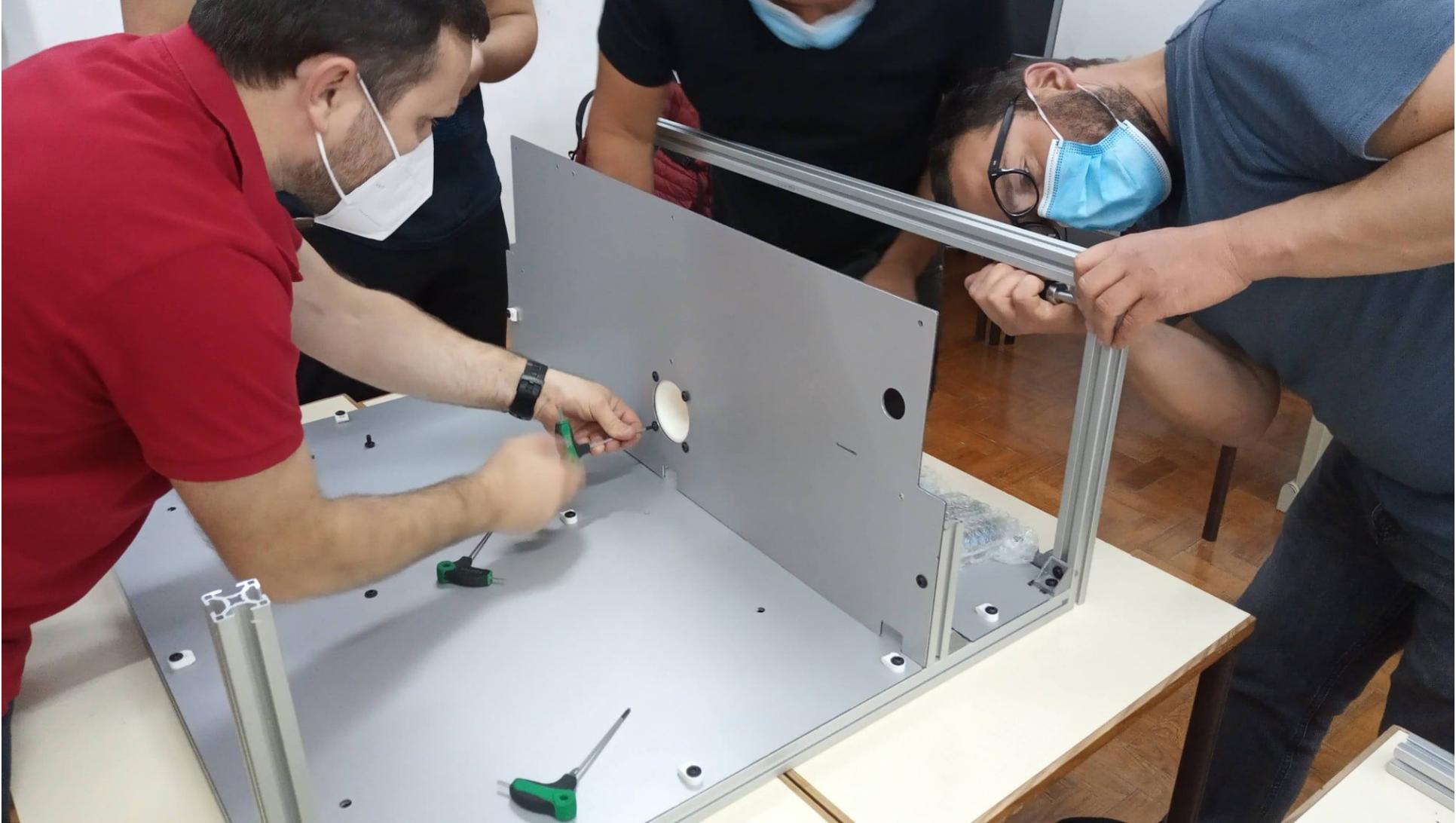


Cutting Area	600mm x 400mm
Laser	CO2 40W
Materials	Wood, Acrylic, Textile, Paper, Cardboard etc.
Max Thickness	8mm Acrylic / 6mm Plywood / 15mm Poplar
Mechanics	Industrial grade linear guides, profiles
Resolution	0.05mm
Maximum speed	400mm/s
Housing	fully enclosed aluminum composite
Safety	double interlock, water sensor, emergency button with key, magnetic switches
Data Formats	SVG, DXF, PNG, JPG, BMP etc.
Machine dimensions	870x810x380mm











	satshas Update README.md	5cb53a6 2 days ago	🕒 21 commits
📁	cad	added CAD files, converter PCB	2 days ago
📁	converterPCB	added CAD files, converter PCB	2 days ago
📁	firmware/24.10.2021	zipped firmware	2 days ago
📁	manual	added manual	2 days ago
📁	media	linked images	2 days ago
📁	settings	updated grbl defaults	2 days ago
📄	Fabulaser_V2.1_BOM.pdf	added BOM, firmware and updated readme	2 days ago
📄	LICENSE_CC_BY_SA_4.0.txt	added licenses	2 days ago
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📄	README.md	Update README.md	2 days ago

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📦 Fabulaser 2.21 Latest
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• nesC 100.0%

☰ README.md

Fabulaser Mini



HOW TO USE THIS MANUAL

This manual provides you a step by step guide on how to assemble the Fabulaser Mini laser cutter machine. It was developed to be visually instructive, with only necessary text support.

When the Step is complex, it is divided in substeps.

Colors are often used to aid and facilitate the identification of parts. If it is necessary to print this manual, make sure to print it color. It is recommended to use it digitally for environmental care.

Please read the Safety Instructions before starting the assembly.

It is also recommended to read the How-to Section when instructed in each Step to facilitated the assembly process.

Start each step or substep by separating the necessary parts and tools. Then, read the Remarks and How-tos, since they contain important information regarding the step. After that you can start assembling by following the main image and Detail Bubbles.

Step and Substep number and title

Remarks - important text instructions. Read them before starting the step assembly.

How-to - Refers to the How -to Section of this manual. It contains assistance and tips.

Detail Bubbles are visual assistants of a detail in the main image. It contains a detailed explanation of the pointed part or a illustration of a Remark.

STEP 10.1 COMPLETING THE Y AXIS - MOTOR

Step 10.1 30 min

Assembly progress

Estimated time to complete the step or substep

List of parts necessary for this step/ substep

- 2x Y Back Shafts 350 mm and 400 mm
- 1x Y Stepper Motor
- 2x Y Back Bearings Holder
- 2x Coupler
- 1x Y-Motor Attachment
- 4x C-Screw M3-12 & 6x C-Screw M6-14
- 6x T-Nut M6

List of tools necessary for this step/ substep

- 1x Allen Key 1.5
- 1x Allen Key 2.5
- 1x Allen Key 5
- 1x Screwdriver slotted small

Remarks

- R21.** Make sure the shafts are not advancing out of the frame boundaries by adjusting the position of the shafts and the Y-Motor Attachment.
- H1.** How to insert T-nuts? p.77
- H4.** How to tighten set screws? p.77

How-to

Detail Bubbles

Movements and directions of parts are illustrated in red lines and arrows.

Specification Notes - are used to specify a part of a group of parts that might be confusing to identify.



Fabulaser Mini Workshops 2021 @ Fab City Hamburg

This section of the starter kit is dedicated to the Fabulaser Mini workshops that will take place for Fab City Hamburg in November 2021.



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Thanks

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