CNC GRBL 32bits board V2.0 LCD enclosure

Info

A robust, 3D-printable enclosure designed for the CNC GRBL 32-bit Board V2.0 and LCD screen. Protect and organize your CNC controller with this custom-fit housing. This easy-to-print design provides a secure mount for your board and display while offering clean cable management, optimal cooling, and convenient access to all essential ports and controls.

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Project Overview

Enclosure for the LCD touch module of the GRBL 32bits board V2.0 from makerfr.com. You can control a CNC machine using the LCD touch module and the main board.

This powerful controller offers versatile connectivity options, such as connecting the LCD module to the main board via cable or wirelessly. To accommodate this, I designed a detachable housing with accessible connectors.

If you need to modify the design, all parts are available as STEP files as well.

Overall Required Parts & Materials

Qty	Part Name	Links & Steps
1 x	**CNC GRBL LCD enclosure STL files**	Printables 1
1 x	**GRBL 32bits board V2**	makerfr.com 1
4 x	**10 mm x 2 mm Neodym Magnets**	Amazon 1
4 x	**30 mm long 3 mm wood screws**	1
4 x	**Euro cent**	1

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Instructions

1 Overview

USED IN THIS STEP:

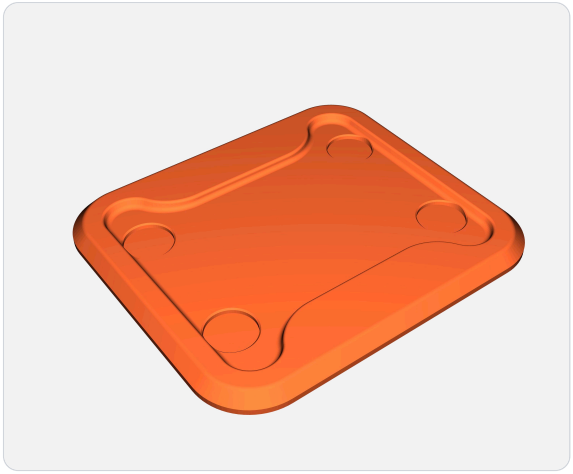
- 1 x GRBL 32bits board V2
- 1 x CNC GRBL LCD enclosure STL files
- 4 x 10 mm x 2 mm Neodym Magnets
- 4 x 30 mm long 3 mm wood screws
- 4 x Euro cent

2 Assembly

Use four 30mm long wood screws with a diameter of 3mm to hold the two halves together.
You need four magnets for the bottom part. Each magnet should be 10mm in diameter and 2mm thick. Glue the magnets into the designated holes with superglue.

3 Base Plate

Attach four euro cent pieces to the base plate using superglue.



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