



# Ender 6 Voron Gantry Conversion



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updated 1. 5. 2024 | published 1. 5. 2024

## Summary

**\*\* UNTESTED \*\*** This is a concept to convert the Ender 6 to use Voron and Compatible toolhead Systems

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Unfortunately I sold my ender 6 before I was able to test and finalize this system, but by popular demand, here it is:

The Ender 6 Voron Gantry Conversion:

This System should be able to be mounted to the existing frame of the Creality Ender 6 allowing use of Voron Compatible toolhead systems such as the Afterburner, Stealthburner, XOL Toolhead and so on.

This system uses the original AB Motor Mounts to alleviate the need for massive modification to the XY motion system.

You will Need:

- M5x40 BHCS x6
- M5x35 SHCS x6
- M5x8 SHCS x14
- M5 hex nuts x12
- M3x10 SHCS x8
- M3x8 BHCS x40
- M3 Roll in t nuts x40

- M5 Roll in t Nuts x14
- 2020 extrusion 355mm long x1
- MGN9 Linear Rail w/ H block - 375mm long x2 (Y axis)
- MGN12 Linear Rail w/ H block - 350mm long x1 (X axis)
- 6mm GT2 Timing Belt - 2 meters (x2)
- GATES Powergrip® 2MR-20S 2GT 6mm Pulley x6
- GATES Powergrip® 2GT smooth idler 6mm x2
- Voron Compatible Toolhead of choice x1

NOTE;

This system was designed for use with sensorless homing and CANbus toolhead in mind, with that there was no provisions made for endstops or cable management. i have included a STEP file of the assembly should you like to make any changes to suit your machine.

## Model files



### XY Joints

4 files

**left-upper.stl**

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**left-lower.stl**

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**right-lower.stl**

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**right-upper.stl**



### Front Idlers

2 files

**right-idler.stl**

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**left-idler.stl**



CAD

1 file

ender6-voron-gantry-conversion.step

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