



## Voron 0.2 Tool Handle Mod

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updated 2. 8. 2023 | published 2. 8. 2023

### Summary

This mod replaces the handle for the Voron 0.2 with one with an integrated tool head

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Update: Hadn't realised that the tool doesn't work for the right hand camlock when the door is on. So I've updated the model to extend the tool bit passed the hinge.

I found that with the new hex bit cam locks that hold the top hat down they're a bit too soft/weak for a metal bit and I was always having to hunt down a allen key that fit. So I decided to modify the door handle to have a hex bit integrated into it.

This mod requires you to not glue the handle to the perspex door. However I have found that with the correct placement of magnets you don't actually need to fix the door handle. With two extra pairs of 6x3 neodymium magnets you can glue magnets into the door itself and then another pair into the handle making the handle removable. Which is super handy for maintenance as you don't need to take the door off to place the machine on its front and now you can remove the hand from the door to open the camlocks without needing to hunt around for an allen key.

For best results you will need insert your magnets where each couple of pairs (the door latch, the door itself and the handle) have opposing magnet polarity for example looking from the side:

latch door handle

N N N

S S S

-----gap-----

N N N

S S S

This way the door handle automatically orientates itself and allows for the strongest attraction. The extra pair of magnets in the perspex door just makes sure that you get a super good seal on both the handle onto the door and the door itself onto the latches.

Here is a short video of showing how it works.

<https://youtube.com/shorts/AazEQ7A7Lwk?feature=share>

Unfortunately for aesthetic reasons you will need to print this with supports but it doesn't add that much extra material to the print. I will work on adding an integrated support version where you will be able to snap this off and not waste material supporting the magnet holes, unless you want to use support blockers for the holes, that also works. You do need supports for the key though.

## Model files



**door\_handle\_x1\_rev3.stl**

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