



Creality Ender 3 V3 SE CR Touch - Adjustable Mount

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Summary

Adjustable CR Touch mount for the V3 SE allowing for much wider nozzle compatibility.

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There are many different nozzles compatible with the Ender 3 V3 SE, but due to the CR Touch being fixed in one single position, it is greatly limiting. This allows for many different nozzle sizes to be used without problems. I am using a 18.9mm hardened steel CHT nozzle on mine and it works great. The stock nozzle I believe is 16.8mm.

Also, the stock CRTouch mount is very cheap and uneven metal. Taking calipers to it, it has varying sizes all over. I would recommend a printed CR/BL Touch mount due to them always measuring uneven or being bent from the factory.

I included the "EAST PRINT" mount simply because it is exactly what it says, easy to print and works. It's just ugly, though surely less flimsy than the non "EASY PRINT" mount. I also made it 1mm thicker than the stock mount, so 2.220mm total. Which theoretically could cause lesser results,

but while using a 5x5 mesh on Klipper without editing the bltouch offset, my prints come out amazing, as though there is no inaccuracy with the CR Touch. I also added some hot glue to the CRTouch + fan (requires the 25-to-40 duct) just to help it wobble less since plastic is flimsier than metal and Klipper can do fast meshes.

Requirements :

2x M3x8mm bolts + nuts

2x original CR Touch long screws for mounting to the stepper motor

Print Settings:

Use whatever orientation you want, they both have pros and cons unless using the “EASY PRINT” version. The one in the photo that I am using was printed laying down flat w/15% infill in PETG.

Remember the CR Touch is used as the endstop, so make sure to take care of the printed mount or else it will have nothing to tell it to stop.

Model files

ender-3-v3-se-cr-touch-mount.stl



ender-3-v3-se-cr-touch-mount-easy-print.stl



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