

## Mount with airassist 15 Watt Cronos Laser for LASER Engraver designed by infectedfpv26 (Thing 3371373)



arminth

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## Summary

Update as of December 29, 2021: corrected some mistakes, lowered focusholder and shifted buck converter up for more...

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Tags: [lasermount](#) [airassist](#) [cronoslaser15watt](#)

Update as of December 29, 2021:

corrected some mistakes, lowered focusholder and shifted buck converter up for more clearance to heatsink, sdapted measures for long laserholder to get better clearances

added a little 3.5mm addon for the focus cylinder. Put it on the cylinder and you can measure the distance from the heatsink of the laser and not from the brass lensprotector.

All files updated!

Update as of December 27, 2021:

-corrected some dimensions on hexnuts and cylinderheads.

-added a longer version of the original laserholder for more stability and rigidity when lasering very flat things and Laser is lowered pretty far down.

-added a holepattern for mounting a 300W XL4016 Buck downconverter to power Laser with higher voltage thus creating less current on the powercables with less voltage drop. Works pretty neat!

[https://www.aliexpress.com/item/33051908449.html?spm=a2g0o.productlist.0.0.1ec1387bGSgHF&algo\\_pvid=1ddb1ea9-eebe-437e-b65c-7301bab0973b&algo\\_exp\\_id=1ddb1ea9-eebe-437e-b65c-7301bab0973b-0&pdp\\_ext\\_f=%7B%22sku\\_id%22%3A%2267521192480%22%7DmainSearch](https://www.aliexpress.com/item/33051908449.html?spm=a2g0o.productlist.0.0.1ec1387bGSgHF&algo_pvid=1ddb1ea9-eebe-437e-b65c-7301bab0973b&algo_exp_id=1ddb1ea9-eebe-437e-b65c-7301bab0973b-0&pdp_ext_f=%7B%22sku_id%22%3A%2267521192480%22%7DmainSearch)

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This is a mount to attach the 15 Watt Lasermodule from Cronos (<https://www.aliexpress.com/item/32976782035.html?spm=a2g0s.9042311.0.0.4e464c4dmUE7kZ>) to the DIY Laser Engraver <https://www.thingiverse.com/thing:3371373> by @infectedfpv26.

You need some M3 hardware and a 5015 radialfan to complete.

Print with support. 0.2mm layerheight, 15% infill should be ok.

There is a version with and without the holder for the focusingcylinder.

OpenSCAD file includes as is tradition.

Have fun!

## **Print Settings**

### **Printer Brand:**

Crealitiy

### **Printer:**

Ender 3

### **Rafts:**

No

### **Supports:**

Yes

**Resolution:**

0.2

**Infill:**

15%

**Filament:** Noyes PLA+ dark blue

Category: Other

## Model files



**lasermount\_w\_focus.stl**

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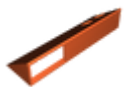
**lasermount\_wo\_focus.stl**

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**focus\_addon.scad**

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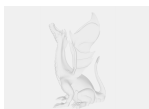
**nozzle.stl**

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**lasermount\_with\_nozzle.stl**

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**laserholder\_long.scad**

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**laserholder\_long.stl**



**focus\_addon\_wo\_base.stl**



**focus\_addon\_w\_base.stl**



**lasermount.scad**

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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