

## AM8 BLV with EVA 3.0 printhead (Orbiter 2.0 & Rapido HF)

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### Summary

Modified version of the EVA 3 printhead to make it fit on the AM8 BLV printer.

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I really liked the design of the EVA 3.0 printhead and I have modified it a little to make it work on the AM8 BLV. The parts I have changed are the parts for the Orbiter 2.0 extruder and Pheatus Rapido HF hotend.

Website of the AM8 BLV website:

<https://www.blvprojects.com/blv-mgn12-mod-3d-printer>

Website of the EVA 3.0 printhead

[https://main.eva-3d.page/heat\\_insert/core/cartesian/](https://main.eva-3d.page/heat_insert/core/cartesian/)

To get the printhead working you will need to print 8 files.

4 parts that I have changed to work with the AM8 BLV:

- BLV - BLV - front\_universal
- BLV - back\_cartesian
- BLV - drive\_orbiter\_2.0
- BLV - top\_endstop\_MGN12H

The other 4 files are the original EVA parts that you can download from here, or from the original EVA website:

- bl\_touch mount
- 5015\_inlet\_fi
- hotend\_rapido\_fi
- bottom\_horns\_fi

As far as I know it is also possible to change the hotend model or fan mount/duct by downloading another model from the EVA website. When using another extruder, you will probably need to change some parts to make it work with the belts.

## This remix is based on



### EVA 3 - Modular 3D Printer carriage platform

by McAbra

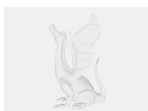
## Model files



**bl\_touch\_mount.stl**



**blv-top\_endstop\_mgn12h.step**



**blv-front\_universal.step**



**blv-back\_cartesian.step**

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**5015\_inlet.fi.stl**

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**blv-drive\_orbiter\_20.step**

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**hotend\_rapido.fi.stl**

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**bottom\_horns.fi.stl**

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