



Lite3DP Tray (VAT) 8 screws



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[VIEW IN BROWSER](#)

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Summary

Remix of the original Tray (VAT) for the Lite3DP resin printer so you can use 8 screws (instead of the original 4).



4.65 hrs



3 pcs



0.20 mm



0.40 mm



PLA



37 g



Creality
Ender-3

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After using the printer I realised that some resin would get under the fep film around the middle (where there are no screws), so I decided to take the VAT model C provided by Lite3DP on their [GitHub](#) and modify it so it can take 4 more screws. This way, the fep film is tighter on the tray and resin can't go under it.

I also designed a stencil for the original metal frame so you can drill the extra holes with a 3mm drill bit.

In case you don't want or can't modify the original metal frame I've also designed an alternative frame where you can glue some washers needed for the tray to stick to the magnets on the printer. The washer dimensions is **9mm** for the outer diameter and **4.3mm** for the inner hole.

If you don't use the original metal frame or any metal at all at the bottom, you can use the brackets I designed to hold the VAT down: <https://www.printables.com/model/202719-lite3dp-brackets-to-hold-the-vat-down>

I have added two new versions, one with a pour channel so it's easier to remove the resin from the tank.

The other one has space on the back so you can slide it in and out, when using the brackets, so you can keep the magnets in place.

Model files



vat.3mf



frame.3mf



metal-frame-stencil.3mf



vat_magnets_channel.3mf



vat_pour_channel.3mf

Print files



vat_3h38m_020mm_215c_pla_ender3.gcode

🌀 PLA 🌀 0.40 mm 🌀 0.20 mm 🕒 3.63 hrs 📊 30 g 🖨️ Creality Ender-3



frame_42m_020mm_215c_pla_ender3.gcode

PLA 0.40 mm 0.20 mm 0.69 hrs 5 g Creality Ender-3



metal-frame-stencil_20m_020mm_215c_pla_ender3.gcode

PLA 0.40 mm 0.20 mm 0.33 hrs 2 g Creality Ender-3

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