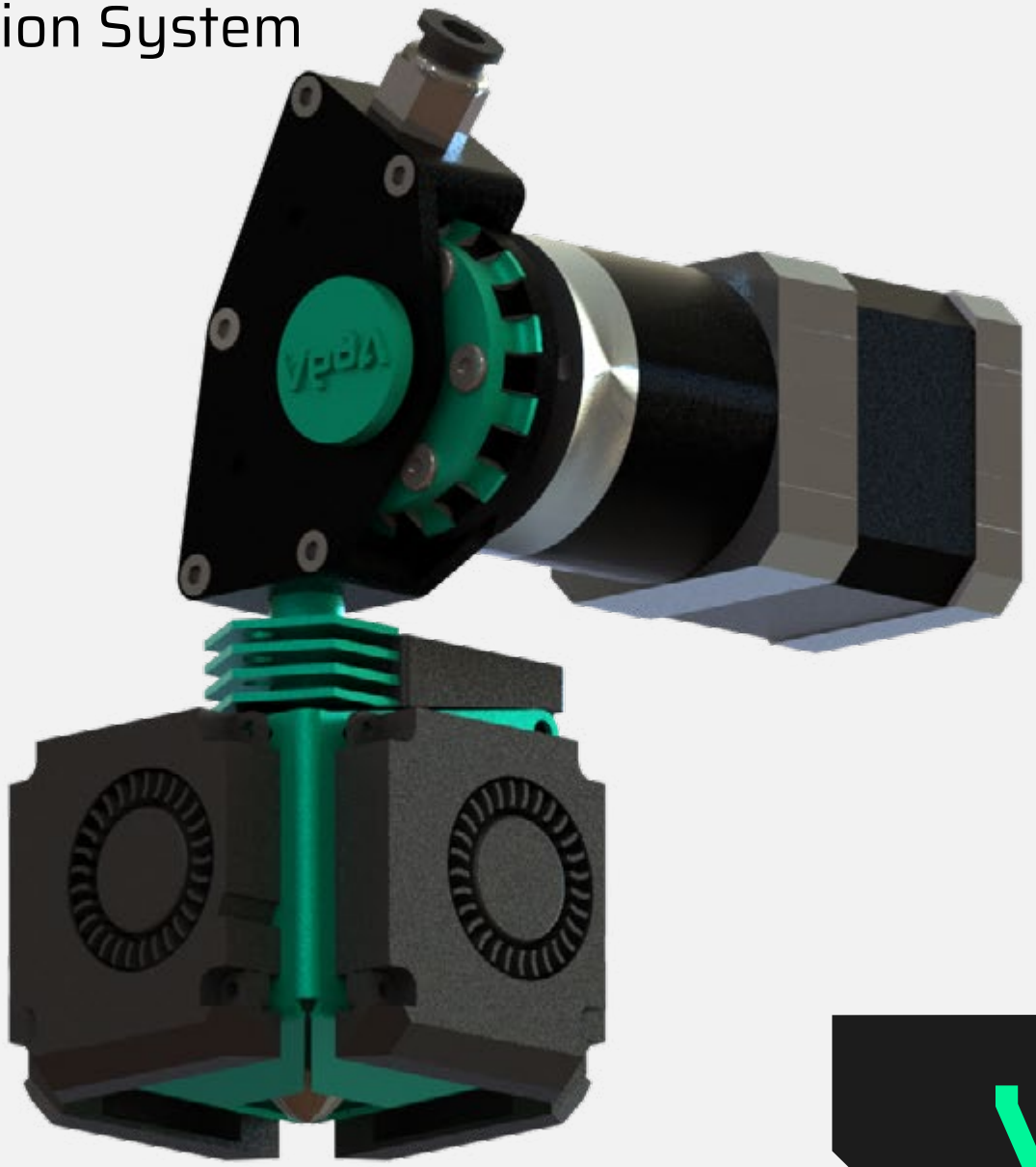
VEDA VXS-150

Advanced Extrusion System



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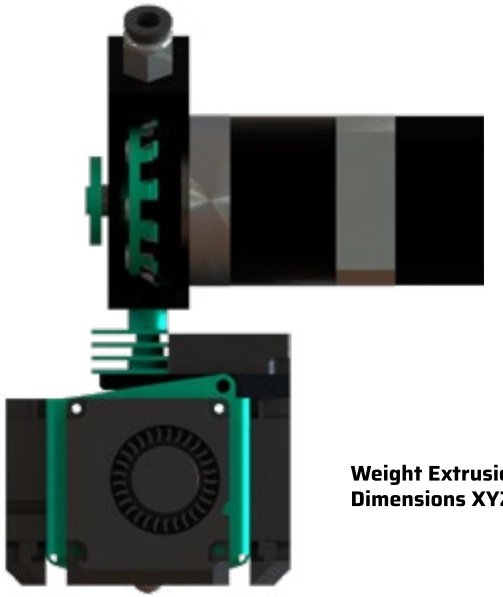
Veda Extrusion System VXS-150



- Superb print quality
- High print reliability
- Volumetric flow rates up to 700 gr/hr
- Compatible with most FDM 3D Printers

Weight Extrusion System: ± 1.75kg.
Dimensions XYZ: 76mm x 126mm x 135mm

Why go for VXS-150

The Veda Extrusion System (VSX-150) is an All-in-One upgrade package containing all the necessary components to turbo boost any printer's performance.

The VXS-150 Feeder (patent pending) is due to its "cutting edge" drive wheel intrinsically slip-free, significantly reducing filament related failures, improving retractions and thus print quality, while allowing for high volumetric flow rates.

The VXS-150 Hot-end (patent pending) uses a topological optimised melt zone to achieve consistent fully molten extrusion (see Fig1 A and B), enabling a high flowrate (see chart: Strength vs Flow) at any speed and acceleration with oozing nearly eliminated.

The design of the Extrusion System allows compatibility with most FDM 3D printer on the market allowing users to increase performance of their current, previous and future generations of FDM machines.

Veda Extrusion System
Fig A

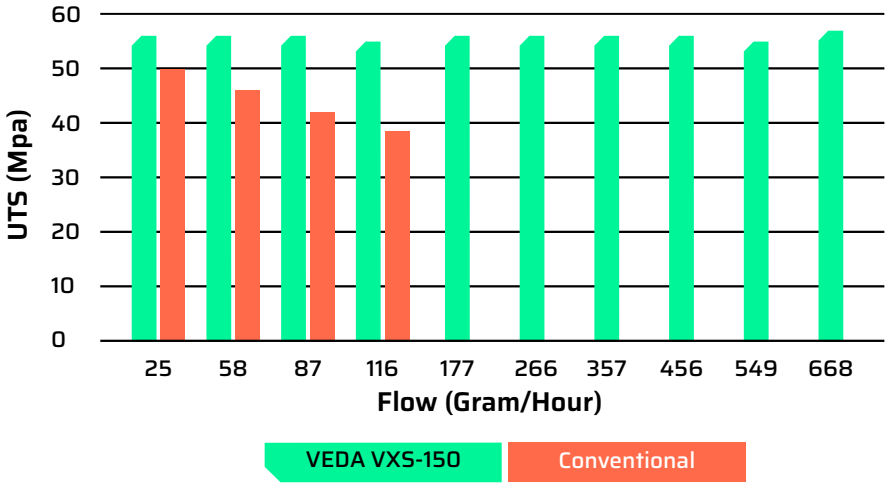
Conventional Extrusion system
Fig B

*Cross Section, Tensile Test D638 0.8 nozzle, PLA, 121gr/hr

Specs

- **Max Extrusion Rate by Nozzle Size:**
  0.4 mm = 60 mm^3/s , 0.6 mm = 80 mm^3/s, 0.8 mm = 100 mm^3/s,
  1.0 mm = 120 mm^3/s , 1.2 mm and larger = 150 mm^3/s
- **Max Airflow Print Cooling:** 24.6 m^3/h
- **Max Hot-End Temperature:** 450 °C
- **Heating Power:** 300 W
- **Max Back-Pressure:** 31 Mpa
- **Special Features:** Slip-free extrusion combined with extruder stall detection and feedback
- **Filament Diameter**: 2.85 mm
- **Compatible Materials**: PLA, ABS, PETG, TPE, PA, Composites, PC, PEI, PEKK, PEEK
- **Motherboard:** Wrecklab Printhat V2 (Klipper)

Strength vs Flow



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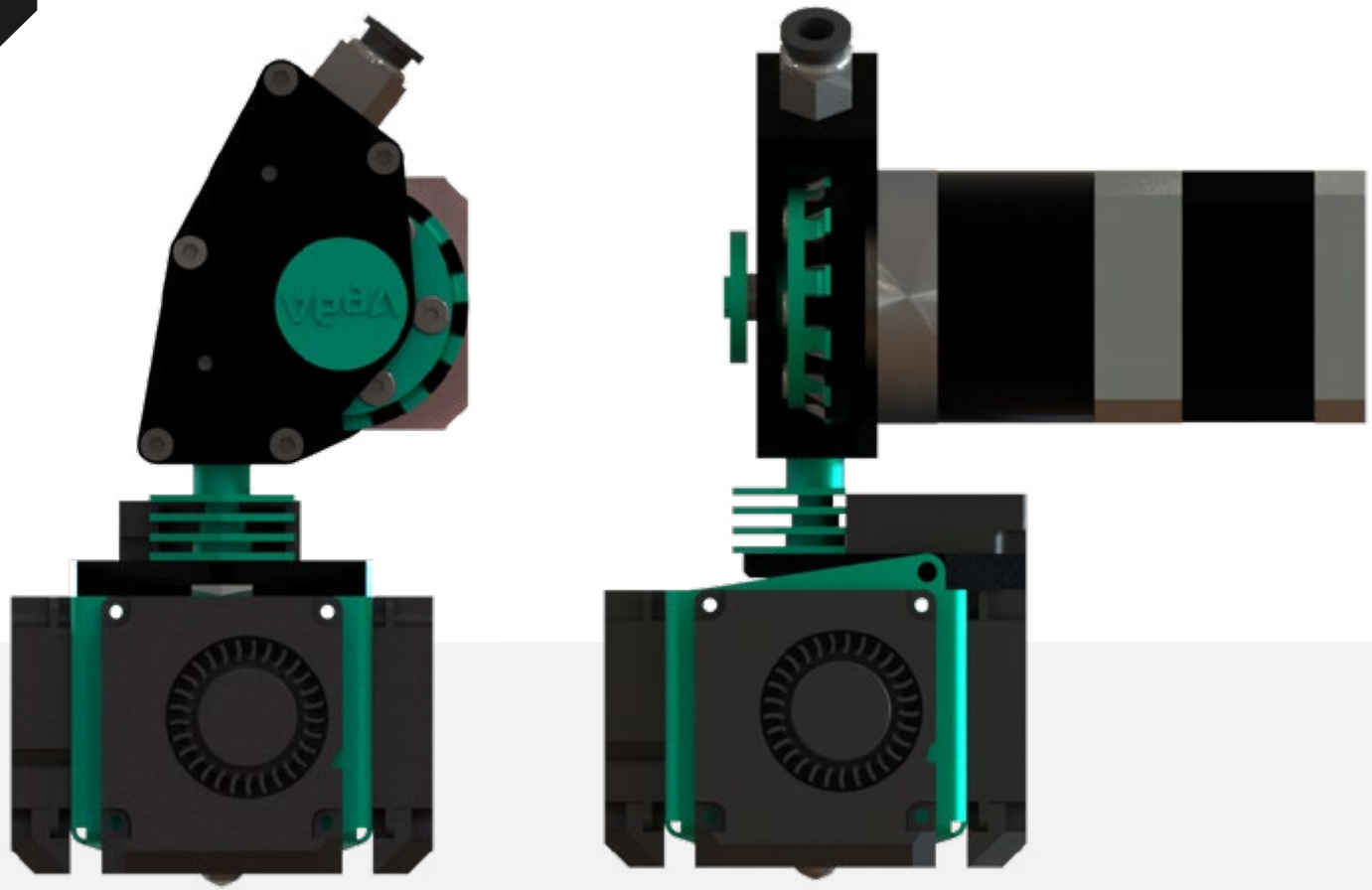

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