



Hero Me Gen7.4 Printhead Platform – July 2023

3D Printers, Hotends, Extruders, and Other Supported Components

The Hero Me is the premier printhead and part cooling assembly with the widest range of compatible 3D printers. The key design concepts behind the Hero Me are to provide superior part cooling performance and a standards-based print head platform that is highly modular, allowing support of most brands, printer models, hot ends, extruders, fans, ABLs, and other add-ons.

This is a continually growing list of the 3D printers and components that are compatible with the Hero Me Gen7.4 and is updated every 1-2 months with new printers, hot-ends, extruders, etc. as mounts are designed, tested, and released. For more information visit merlinmedia.com, the new public home of everything from MediaMan3D.

Over 115 3D Printer Models and 3rd Party X Axis Kits and X Carriage Plates are supported!

3DFused V1, V2, V3, CoreXY, Master X carriage Alfawise U20-U30 Anet ET4, ET5, E10, A8 Anycubic Vyper, Chyron, Mega S, Mega Zero, Kobra Go Artillery Sidewinder X2 BigTreeTech HermitCrab BIQU B1 BLV Ender 3 Linear Rail Upgrade BLV MGN Metal Cube CR-6SE* CR-10, V2, V3 CR-10 Mini CR-10S, S4, S5 CR-10S Pro, Pro V2, Pro V3 CR-20, CR-MAX Elegoo Neptune 2, 2S, X, 3*, 3 Pro*, 3 Plus*, 3 Max* Ender 2 Pro Ender 3, 3 Pro Ender 3 Neo* Ender 3X Ender 3 V2 Ender 3 V2 Neo* Ender 3 MAX, 3 Max Neo* Ender 5, 5 Pro, 5 Plus ENDER 6 CoreXY Eryone Thinker SE Exoslide Geeetech A10, A20, A30	HevORT Standard/HT MGN9 and MGN12 HyperCube Evolution Kingroon KPS3 Kywoo Labists ET4 Lantro Linear Rails MGN9-H, MGN12-C, MGN12-H Longer LK1, LK5 Pro LulzBot TAZ 5/6/Pro/Sidekick/Mini (universal) MatterHackers Pulse XE Mercury One Micro Swiss DD kits (Ender 3, Ender 5, Exoslide, Linear Rails) OpenBuilds Mini V PrinterMods xChange & MDD kit V1.2, V1.3 RepRap i3 Clones Prusa MK3S/+* SainSmart Coreception 300 Seckit SK-GO Sovol SV01, SV02, SV05, SV06*, SV06 Plus* Sunlu S8 Tevor Tarantula Pro, Tornado Tronxy X5SA Pro Two Trees Bluer, Sapphire Pro, Plus Wham Bam MUTANT, Universal X carriages (v-wheel, linear rails) Voron 2.4, Switchwire-Afterburner Voxelab Aquila-Pro ZYL Tech Gear V3 Most clones of Creality CR & Ender printers
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*3D Printer models listed above with an Asterisk may have limited support. The 3D printer model and its X carriage are fully supported, but a component of the stock printhead assembly may not be compatible (e.g., stock hotend, extruder, ABL) with the Hero Me Gen7 Base or other assemblies. Review what is included with the latest Hero Me Gen7 STL ZIP to see what is supported for these printers. Replacing the affected stock part with a 3rd party equivalent component will resolve this. Details are covered on pages 3 & 4.

WHEN IT COMES TO COOLING EVERYBODY DESERVES A HERO

47+ Hotend Brands and Models Supported:

- Anycubic Vyper V5 Stock
- Creality Stock MK8 (2 screw mount)
- Creality CR-10S Pro (2 screw mount)
- Creality Spider (350c max)
- Creality Spider High Temp (500c max)
- Creality Spider 3 Pro
- Creality Spider 4 Pro (Speedy Ceramic)
- E3D-Online V6 & Volcano
- E3D-Online Revo Six (aka Prusa MK3)
- E3D-Online Revo Micro (aka Mini)
- E3D-Online Revo Voron
- E3D-Online Revo CR
- Haldis Red Lizard K1 V6 (Dragon)
- Haldis Red Lizard K1 Pro-HF-UHF
- Haldis Red Lizard V5, V5 Pro
- Generic MK8
- Generic J-Head V5, V6
- Micro Swiss All Metal CR-10, 10S Pro
- Neptune Stock
- Phaetus Dragon
- Phaetus Dragonfly BMO-BMS-HIC
- Phaetus Rapido (aka ST, HF)
- Phaetus Rapido Plus (aka UHF)
- Phaetus X Voron Dragon ST-HF-UHF
- Phaetus TaiChi
- Slice Engineering Copperhead
- Slice Mosquito, Magnum, Magnum+
- Slice Mosquito for Creality
- TriangleLab Dragon SF-HF
- TriangleLab Rapido HF-UHF
- TriangleLab TCHC CHC, CHC Pro, PT1000 Pro
- TriangleLab TCHC TR6
- TriangleLab CHC Mini
- Clones of any hotends above

20+ Auto Bed Level (ABL) Sensors Supported:

- Beacon3D
- BLTouch
- CR Touch
- Creality OEM
- Euclid Probe
- EryONE ER-20
- EZABL Pro
- EZABL Pro Mini & Micro
- HallON
- PINDA
- PL-08N, XY-08M, SN04-N
- Touch Mi
- TA Sensor
- Omron Sensor
- 8mm, 12mm & 18mm sensors
- Clones of any ABL sensors above

Get Info on Hero Me Pro Kits here:

<https://merlinmedia.com>

37+ Extruder Brand and Models Supported:

- Advanced 3D Printing FXD
- Bondtech BMG (and mirror)
- Bondtech BMG-M (and mirror)
- BMG Mini (clone)
- Bondtech LGX
- Bondtech LGX Lite
- Creality Stock Single and Dual Gear
- Creality E-Fit
- E3D-Online Titan
- EZR Struder
- HextrudORT
- Kingroon Titan Clone
- Micro Swiss DD kits: Ender 3, 5, Linear Rail, Exoslide
- Micro Swiss Dual Gear
- Orbiter V1.5 & V2.0 (and mirrors)
- PrinterMods MDD Kit
- Phaetus APUS
- Sailfin A, B, Sherpa Variants
- Sherpa Mini
- Sherpa Micro
- Sovol SV01 stock
- Sovol SV06 stock
- Vz-HextrudORT
- TriangleLab TBG-Lite
- TriangleLab TBG-S
- Voron, Switchwire-Afterburner
- Clones of any extruders above (look-alikes may not fit)

Heat Sink and Part Cooling Fans Supported:

- 4010 radial fan (single and dual)
- 4020 radial fan (single and dual)
- 5015 radial fan (single and dual)
- 5020 radial fan (single and dual)
- 4010 & 4020 axial fans for heat sink cooling

There are also 14 mounts for various ADXL345 accelerometer PCBs and other options like endoscope cameras and analog dial gauges.

If there is a generally known component (hotend, extruder, etc.) that is not listed in this doc., it is either not compatible (too large, etc.) or has not yet been tested.

Hero Me Gen7 Documentation, including STL Parts Selection, Illustrated Assembly Manual, as well as live technical support and private Discord community are available from MediaMan3D starting at \$5 here:

<https://www.patreon.com/MediaMan3D>

Or here:

<https://thangs.com/designer/MediaMan3D?plans=true>

Hero Me Gen7 Release 4 STLs:

<https://www.printables.com/model/39322>

Hero Me Swag:

<https://hero-me-shop.creator-spring.com>

Hotends NOT Supported by Hero Me



If there is a generally known component (hotend, extruder, ABL, etc.) that is not listed in this document, it is either not compatible (too large, etc.) or has not yet been tested.

While the Hero Me Gen7 supports the new 'Neo' family of Creality 3D printers (Ender 3 Neo, Ender 3 V2 Neo, and the Ender 3 Max Neo), the stock hotend used in the 'Neo' family of printers is not supported.

This hotend, along with the other two shown at left, are the few hotends that the Hero Me system cannot support. The maximum width for hotends that will fit in the Hero Me Gen7 Base is 26.8mm wide.

The hotends shown range from 29mm-38mm wide. The Creality 'Neo' hotend is currently only found in the three Creality Ender 3 based 'Neo' models.

While the Elegoo Neptune 3 series hotend (3/3 Pro/3 Plus/3 Max) is also not supported in the Hero Me Gen7 base, **the Neptune 3 Series Stock setups are now supported with Hero Me Part Cooling Ducts and ADXL345 mounts that have been designed into the Neptune 3 shroud.** If you have a 3D printer that has one of these hotends and you want to upgrade your printer to take advantage of the Hero Me Gen7 system, replace the hotend with one from the hotend list on the previous page.

Integrated Extruder/Hotends NOT (yet) Supported by Hero Me

The following Integrated extruder/hotends are not compatible with the current Hero Me Gen7 design architecture. BIQU H2, Bondtech LGX Sidekick, Creality Sprite S1, E3D Titan Aero, E3D Hemera, Micro Swiss NG, or any others of this design style.



These are all too large, too wide, to fit into a Hero Me Base. The Hero Me was designed before these integrated extruder/hotend combos were developed. To make a Hero Me fit these assemblies it would no longer be a Hero Me as it would not be compatible with any of the hundreds of parts from both my Master Suite and the over 700 remixes and add-ons created by the community.

As for the integrated extruder/hotends above, I will be developing specific solutions based upon the Hero Me part cooling ducts with ABL/ADXL345 mounts for as many of these integrated extruder/hotends as is possible. ETA sometime in the Summer of 2023.



Setups like the Bondtech DDX for Creality Ender and CR series 3D printers is not compatible with the Hero Me as it is a 'system', not a discrete extruder. In addition to being an extruder, it has the X carriage mounts, it contains the extruder, holds the hotend, the heat sink fan and part cooling fan/duct, so this does some of what the Hero Me does, and therefore can't be integrated with the Hero Me.

Note that other direct drive setups that mate discrete extruders and hotends together (e.g. Bondtech BMG or E3D Titan with a collar/groove mount hotend like E3D V6 that can fit inside the extruder body), these are compatible with the Hero Me Gen7 as separate components. The additional 8-12mm space between the two components in a Hero Me configuration has no measurable impact on print performance or quality. All Hero Me Direct Drive configurations also fully support printing with flexible filaments.