



Aldi 3d printer

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Basics

Aldi's new 'mini' 3D printer Cocoon Create Model Maker: A rebrand of the 'Wanhao i3 Duplicator Mini'



Advantages

- \$299 when in stock. Less on clearance. About \$350-380 from under the original brand from other online stores:
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<https://www.ebay.com/itm/Wanhao-Duplicator-i3-Mini-3D-Printer-Ships-from-USA-/282697048544>
- *
<https://www.3dprinters4u.com.au/shop/product/39914/WANHAO-I3-MINITHE-ALL-NEW-POCKET-ROCKET-FROM-WANHAO/>
- Works out of the box with no assembly Simple setup, well packaged.
- Good manual for hardware setup and test. Comes with enough filament to get started.
- Bed leveling wizard built in and paper to help.

- Quiet printing.
- Metal construction, descent seeming parts
- E3D clone print head! (But with caviet below) So replacement tips and heatbreaks might make a nice upgrade.

Disadvantage

- Minimal software instructions beond a very few 'getting started' pages.
- NO HEATED BED. So can't print ABS. PLA or PETG will be your main materials.
- No dedicated cooling fan, so fine detail can be tricky.
- Due to being a clone, hotend is PTFE lined rather than all metal so print temperature is limited to 140 continuous and 160 for limited times.

Example prints



Software

Instead of using cura/slic3r and an SD card, we are trying Matterhacker's 'Matter control' 3d printing software that works over USB.

Settings

Settings and Controls → Settings → Printer Switch to 'Basic' to 'Advanced'

- Connection:
 - Baud Rate: 250,000
- Print area:
 - Bed Size: 120×135
 - Print center: 60×65
 - Build Height: 100
- Features:
 - Has Fan
 - Has SD Card
- Extruder:
 - Nozzle Diameter: 0.3mm

Upgrades

Easy

- [E3D V6 Brass Nozzles](#)

Replace 0.4 with 0.3mm for finer printing.

- [FAN DUCT WANHAO I3 MINI](#)

Requires no modification or parts, uses existing fan but gives no controllable cooling.

Intermediate

- [Cocoon Create Model Maker \(Wanhao Duplicator i3 Mini\) mount with part-cooling fan](#)

Requires minor wiring changes and new parts but allows for a proper controlled cooling fan.

Hard

- Should be possible to upgrade bed to a heated one using cheap parts. This requires 3d printer and electronics knowledge and is not recommended for most users.