

Stone Flower 3D

Professional equipment for 3D printing of
clay, porcelain, and concrete

PRODUCT CATALOG

www.stoneflower3d.com

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Contents

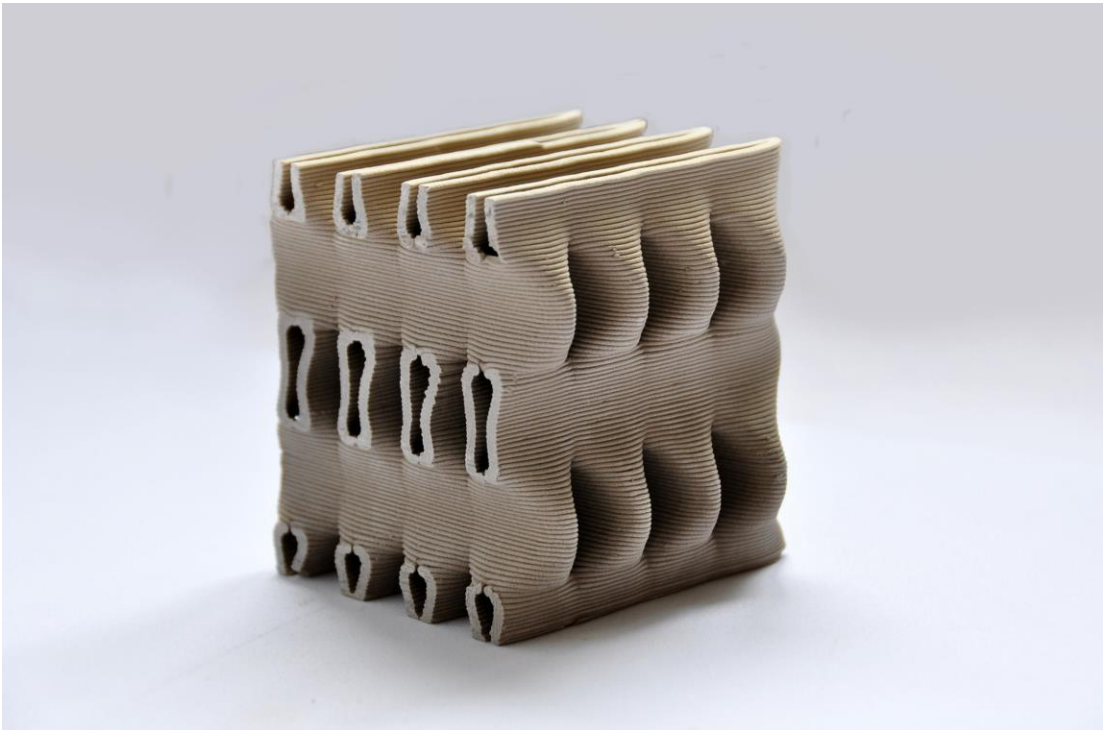
3D printer Stone Flower 4.0..... 3

Add-ons for 3d printing..... 4

Print heads 6 and 6R 5

Print head for mortar 3D printers 6

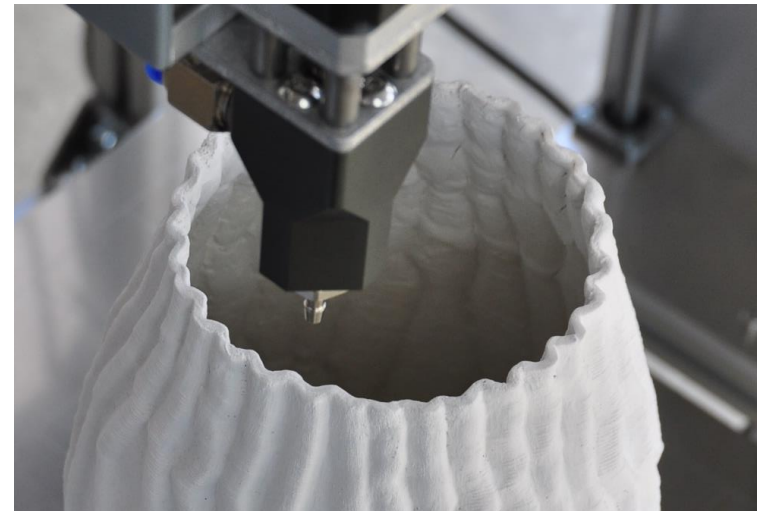
Small-scale concrete 3D printer 7



3D printer Stone Flower 4.0

Suits for clay, porcelain, concrete (mortar).
User-friendly and fast 3d printer with all-metal precise and durable print head 6.0, volumetric flow control, capacity 1.5L advanced electronics, and large build volume

- Large printing volume, $50 \times 50 \times 50 \text{ cm}^3 = 125\text{L}$
- 5" colorful touchscreen
- File uploading and printing via WiFi/Ethernet or USB
- Upon printing: pause/resume of the print, variable printing/extrusion speed, bed level correction
- Duet 3D WiFi/Ethernet 32bit electronics
- Salient and powerful TMC drivers
- All-metal frame for stable printing at high speeds.
- Extended (up to 80cm) height of the printing volume is possible on the request



Add-ons for 3d printing

To print objects from clay and porcelain in your desktop FDM 3d printer, or with the robotic arm

Includes: print head, ram extruder, control unit, compatible with 3D printers.



Available in different capacities

Standard Ceramic KIT

Capacity 0.5L

Ceramic KIT PRO

Capacity 1.5L

Ceramic KIT BIG

Capacity 2.5-5.0L



Print heads 6 and 6R

Print head from stainless steel 304, for more durability and corrosion-resistance upon clay and mortar extrusion.

- Dimensions WxDxH = 42x72x124mm (without nozzle)
- Screw length 62mm, diameter 8mm;
- Inlet: push-in connector for 16mm pipe (external diameter);
- Outlet: 1/4 NPT threaded hole for up to D=8mm;
- Comes with metallic nozzles: 2.5mm, 4mm, 7mm, nozzle adapter for standard luer tips, 6 different PE luer tips (0.2mm ... 1.55mm);
- Stepper motor Nema17, 2.5A/phase, 40Ncm, 2-phase, 1.8deg.

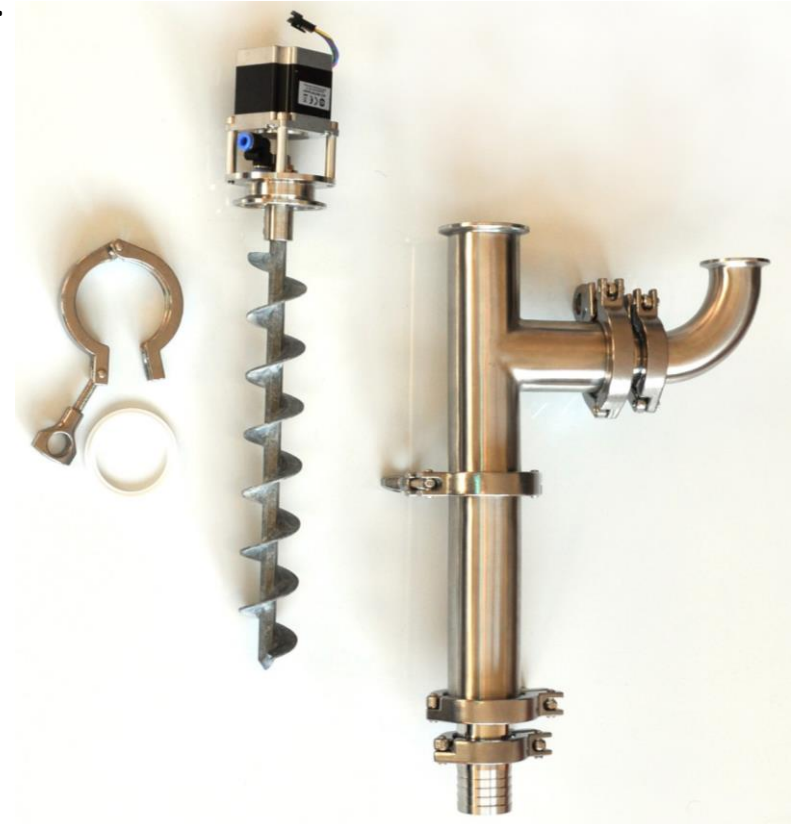


Print head for mortar 3D printers



Large-scale mixing print head from stainless steel 304 with stepper motor Nema23 for mortar/concrete.

Maximum durability, and corrosion-resistance. Easy to assemble and clean, thanks to standard tri-clamp connectors. Compatible with 2inch and 1.5inch inlets. Separate inlet for accelerator. Screw diameter 45mm, tube diameter 50mm. Compatible with big ram extruder (2.5L, 5L), and our mortar 3d printer.



Small-scale concrete/mortar 3D printer

Applications

Small-scale 3d printing of mortar, suspensions and clay.

Custom build volume

Width: from 50cm to 180cm

Depth: from 50cm to 300cm

Height: from 50cm to 200cm

Specification

Includes router, mixing print head for mortar,
5L big ram extruder

Input voltage 230V AC, 600W

Industrial belt drives from CCM

Electronics Duet WiFi/Ethernet

Colorfull 7 inch touch screen

Compatible pumps

Progressive cavity mortar pump, ram extruder
(syringe pump, up to 5L), compressed air feed
system



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