

EXFLOW-3D

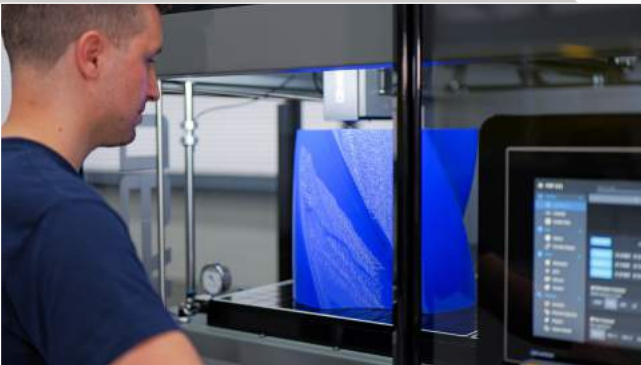


ExFlow-3D Pellet printer

build volume 1 x 1 x 1 mtr.

Patented anti-oozing/retraction!

EXFLOW 3D



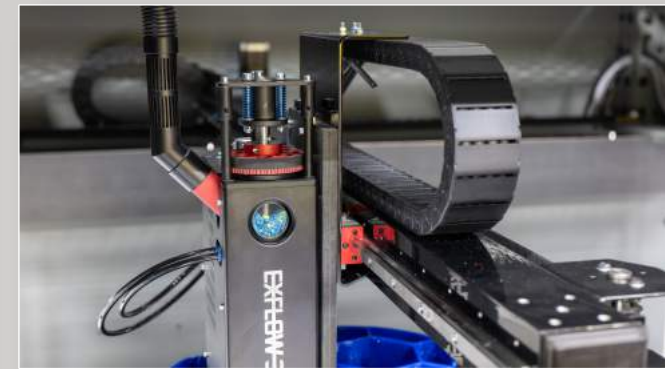
Top-down printing at eye height



Easy access to pellet printhead and print chamber



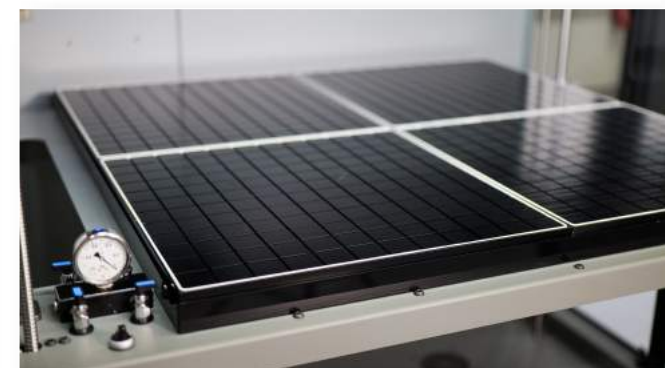
Easy access to print chamber and touch screen



Easy access to printhead.
Auto pellet feeder from dryer

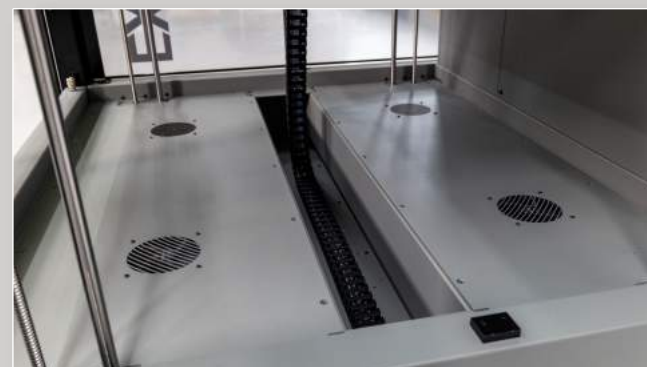


Compact printheads 12 and 16mm screw
Patented anti oozing/retraction system

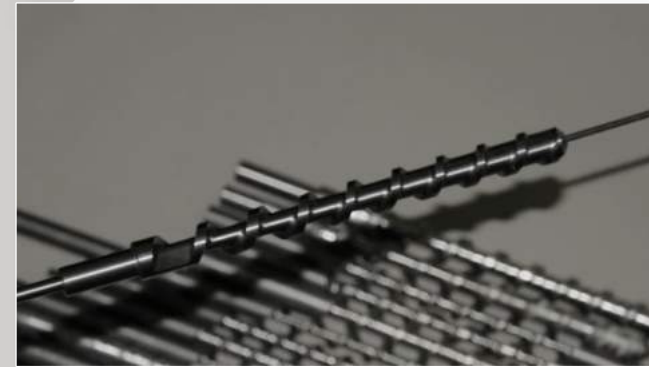


4 sections heated platform
4 separate vacuum sections

Integrated pellet dryer / auto pellet load



Temperature controlled printchamber



Full tungsten carbide screw for abrasive resins



Powered by Duet 3 controllerboard

ExFlow 3D pellet printer

Specifications:

Effective build size 1000 x 1000 x 1000 mm.*

Outer dimensions 1650 x 1650 x 2000 mm.

**Other dimensions on request*

Closed temperature-controlled printing chamber

Easy access to print chamber

Print platform

Vacuum platform, 1100 x 1100 mm. 4 separate sections

Heated platform 80 C. 4 separate sections

Printing top-down at eye height

Drives

All drive motors are steppers, optional with servo's

X - Y - axis time belt

Z - axis 4 x lead screw

Pellet printheads	12mm screw	16mm screw
Water cooled hopper	Yes	Yes
Heating zone's 300W	2	3
Thermal insulated	Yes	Yes
High precision PT100 sensors	3	4
Max. temp. 450 C.	Yes	Yes
Full tungsten screw	12mm	16mm
Nozzles	0,5 – 4mm	1 – 5mm
Patented / retraction system	optional	optional
Max. output	1,8 kg./h.*	2,5 kg./h.*

** Depending on polymer, temperature and nozzle size*

** Custom printheads on request*

Pellet supply

Manual

Auto pellet loading to dryer

Auto pellet feed to printhead

Controller

Duet 3 controller board

Open source software

touch screen + additional removable keyboard

Power supply

380V

Air supply, dry air 6 bars

Weight ca. 950 Kg.

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