

craftbot FLOW GENERATION

SINGLE EXTRUDER: COMPACT WORKHORSES WITH HIGH-TECH FEATURES

Our mission is to offer a user-friendly 3D ecosystem, which are also reliable, plug&play printers based on our users'needs and feedback. Our users always inspire us to do our best. We have created our best 3D printer range - dedicated to efficiency and innovation.

KEY FEATURES – inspired by you

EFFECTIVITY

UNIQUE DESIGNED PRINTING BED

- FOR THE STRONG ADHESION & EASY REMOVAL: The heated bed comprises of metal, tempered glass, and Kapton this ensures the maximum adhesion during printing, while the flexible top plate makes the removal easy even in the case of very flat objects.

MESH BED LEVELING - SIMPLIFY THE

CALIBRATION PROCESS: Beside the automatic XY calibration we have built in a semi-automatic, electronically aided Z calibration as well into our IDEX printers.

HUGE PRINT VOLUME

RELIABILITY

REINFORCED STEEL FRAME - MAKES CRAFTBOTS "TANK" : reinforced double-shell structure and robust extruded aluminium profiles along the Z axis.

NEW FILAMENT MONITORING sensor - for the smooth operation

ALL-METAL HOTEND: Exceptional quality printings and less filament jam.

HIGH - TECHNOLOGY

NEW PR3DATOR MOTHERBOARD - FOR THE MAXIMUM SPEED: 32 Bit fast for more accurate and precise control. Our mainboard is equipped the industry leading motor control system, extended features and great interface connections.

RASPBERRY PI IS THE ENGINE OF HMI - ENABLES MORE FLEXIBLE

DEVELOPMENTS: A brand new microcomputer which supports your effective working time. Ultra-fast response times, unified user interface, stable Linux operating system in a modern, hi-tech design, future-proof execution.

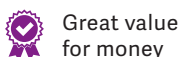
WEB INTERFACE, IOT - FOR THE INDUSTRY 4.0 COMPATIBILITY:

Each printer has its own responsive interface with a simple control option connected to the owner PC via a secure intranet connection. In addition the built-in camera facilitates working processes. The platform-independent access, the programmable API, the fine-tuning CraftWare software and compatibility with even a heterogeneous printer farm bring you a totally personalized option to control your work.

5" COLOR TOUCH SCREEN - for the innovative design

LED STATUS INDICATOR - maximize the user experience

With all of the exciting new features Flow Generation still holds true to our original values:



Great value for money



The Tank



Printing accuracy



CraftWare



Plug 'n' Play



Print pause & resume



Color lcd touchscreen



Heatable build platform

SPECIFICATION

PRINTING

Technology	Fused Filament Fabrication (FFF)
Layer resolution	50 micron
Position precision	XYZ accuracy: 12.5 x 12.5 x 5 micron
Filament diameter	1.75 mm
Filament types	PLA, ABS, HIPS, PET, Nylon, etc.
Nozzle	0.4 mm
Print speed	up to 200 mm/s
Power consumption	max. 500 W

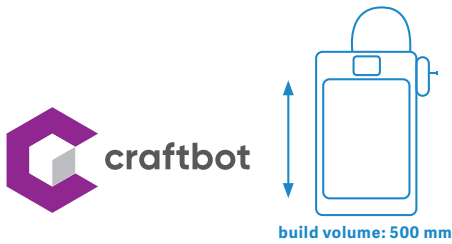
TEMPERATURE

Ambient temperature	5 - 40 °C
Storage temperature	0 - 50 °C
Operating nozzle temperature	180 - 300 °C
Operating heated build plate temperature	30 - 110 °C

SOFTWARE

Software package	CraftWare
File types	OBJ, STL

PHYSICAL DIMENSION



Build volume	300 x 200 x 500 mm - 11.8 x 7.9 x 19.7"
Frame dimension	485 x 400 x 790 mm - 19.1 x 15.7 x 31.1"
Shipping weight (net. weight):	42,5 kg (35 kg)
Shipping box size:	605 x 510 x 985 mm - 24 x 20 x 38"