

# 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

#### 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.

#### 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.

#### 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. **4GB internal storage.**

#### 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.

## PLUG&PLAY 3D PRINTER WITH 5 YEARS WARRANTY

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: 12.5x12.5x5 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

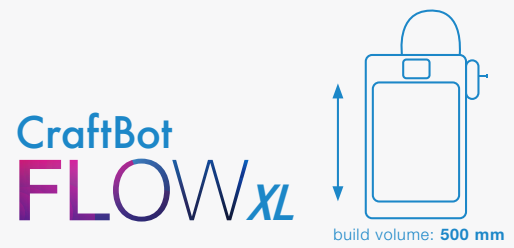
## SOFTWARE

Software package	CraftWare
File types	OBJ, STL

## COLOR

Grey  and white 

## PHYSICAL DIMENSION



Build volume	300 x 200 x 250 mm - 11.8 x 7.9 x 9.8"	300 x 200 x 500 mm - 11.8 x 7.9 x 19.7"
Frame dimension	485 x 400 x 540 mm - 19.1 x 15.7 x 21.2"	485 x 400 x 790 mm - 19.1 x 15.7 x 31.1"
Shipping weight (net. weight):	37 kg (28 kg)	42,5 kg (35 kg)
Shipping box size:	605 x 510 x 730 mm - 24 x 20 x 28"	605 x 510 x 985 mm - 24 x 20 x 38"



For a perfect user experience, we provide an unique maintenance – and nozzle kit for our craftbot printers.

## GET IN TOUCH!

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CraftBot is made in the EU.  
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