

# CraftBot FLOW GENERATION

DUAL EXTRUDER:  
DOUBLE YOUR  
PERFORMANCE



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

**INDEPENDENT DUAL EXTRUDER:** Our IDEX printers with their huge print volume and high quality independent dual extruders are able to print two objects in the same time (mirror or parallel mode) as well as PVA printing.

### 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.

### 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 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 platformindependent access, the programmable API, the finetuning 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



Great value  
for money



The Tank



Printing accuracy



CraftWare



Plug 'n' Play



Print pause  
& resume



Color lcd  
touchscreen



Heatable  
build platform

# SPECIFICATION

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

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 (0.35, 0.6 and 0.8mm available and delivered in double amount with the Flow IDEX.
Power consumption	max. 500 W

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 package	CraftWare
File types	OBJ, STL

Other slicers as KISSlicer, Simplify3D, Cura and Slic3r can produce gcode for the Flow IDEX as well.

General you can use all available filament as PLA, PETG, ABS, flexible, SBS and high tech filament with the Flow IDEX. Only for carbon we have to wait until CraftUnique produces hardened Steel nozzles.

***The new Flow series is sold, serviced and supported by CraftBot.nl.***

**We only sell CraftBots // no other 3D printer brands // and know all about them.**

**We keep all parts on stock. We still have parts available for the original CraftBot, produced five years ago!**

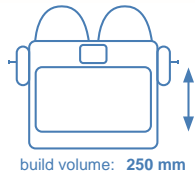
**We are architects, [www.balans.ac](http://www.balans.ac), and believe in the CraftBots as heavy reliable *making* machines.**

**But! The manufacturer, CraftUnique, is lacking “to the point” support. For that: we are at the ball!**

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CraftBot  
**FLOW** IDEX



Build volume 425 x 250 x 250 mm - 16.7 x 9.8 x 9.8"

Frame dimension 635 x 450 x 540 mm - 25 x 17.7 x 21.2"

Shipping weight 45,5 kg (32 kg) (net. weight):

Shipping box size: 760 x 560 x 730 mm - 30 x 22 x 28"