

# CraftBot FLOW GENERATION

INSPIRED BY YOU



[WWW.CRAFTBOT.COM](http://WWW.CRAFTBOT.COM)

# CraftBot FLOW IDEX XL

HEAD OF THE CRAFTBOT  
FLOW FAMILY

THE BIGGEST  
IDEX 3D PRINTER

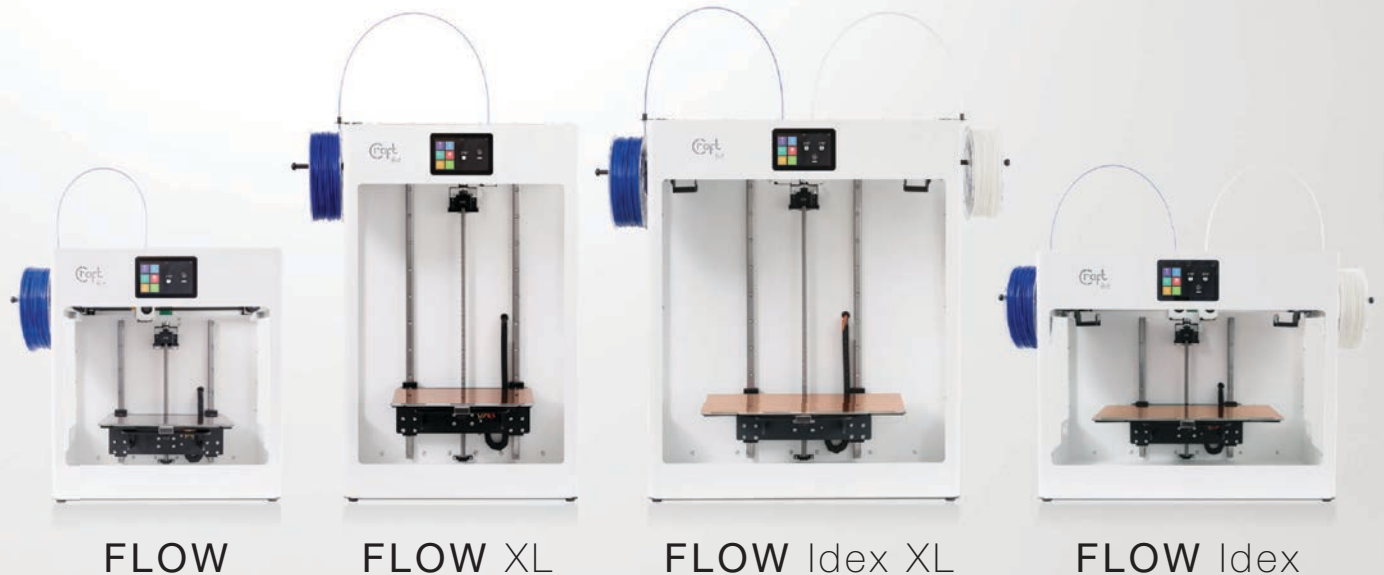


**Our mission is to offer a user-friendly 3D ecosystem,  
which are also reliable, plug&play printers based on  
our users'needs and feedback.**

We believe that printers are only machines without people.

**Our users always inspire us to do our best.  
We have created our best 3D printer range  
- dedicated to efficiency and innovation.**

Let us introduce our collective masterpieces, that can be easily  
your next effective workmate.



# CRAFTBOT FLOW GENERATION

## KEY FEATURES

### EFFECTIVITY



#### **HUGE PRINT VOLUME:**

Our new printers have larger print volume than the market average. FLOW IDEX XL is the biggest IDEX on the market.



#### **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:**

The user-friendly semi-automatic bed leveling system makes the very first steps easy and the proper calibration settings brings you higher printing accuracy. 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 aluminum profiles along the Z axis. Even though our new printers have larger print volume, they are rock-solid printers and can be a very reliable workmate for any of your requirements. We can also minimize the damage during the delivery with this new design.



#### **NEW FILAMENT MONITORING SENSOR - FOR THE SMOOTH OPERATION:**

Due to our new filament sensor you can minimize breakdowns caused by filament errors. The mechanical and electronical parts of the integrated monitoring system are built-in in the extruders for the smooth filament dosage. Less jam and filament slip are guaranteed.



#### **NEW ALL-METAL HOTENDS:**

Fewer parts and connection points make jams less likely and much easier to clear. Due to the inclusion of an all-metal hotend, CraftBot is able to print in exceptional quality.



## 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. It is also a power saving solution.



### **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, high-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**



**FOR THE  
RELIABILITY AND  
COST EFFECTIVITY**





# CraftBot FLOW

## THE COMPACT WORKHORSE

Our Plug 'n' Play 3D Printers are a good choice for both professionals and beginners. They have advanced functions which can make the cooperation and working process easier. Compact 3D printer with large printing area is a good solution for everyday use in the field of engineering, machinery, prototyping, design, etc.



Great value  
for money



„The Tank”



Printing  
accuracy



Plug 'n' Play  
device



Print pause  
& resume



Color LCD  
touchscreen



Heatable  
build platform



CraftWare

### PERFORMANCE

Print speed: up to 200 mm/s  
Power consumption: max. 500 W

### PHYSICAL DIMENSIONS

Build volume: 300 x 200 x 250 mm - 11.8 x 7.9 x 9.8"  
Frame dimension: 485 x 400 x 540 mm - 19.1 x 15.7 x 21.2"  
Weight: 28 kg

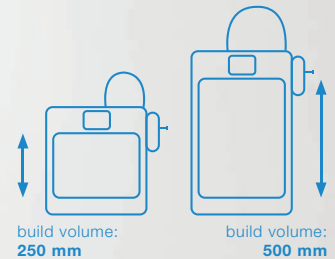
### TEMPERATURE

Operating nozzle temperature: up to 300 °C  
Operating heated build plate temperature: 60 - 110 °C



# CraftBot FLOW<sub>XL</sub>

If you have really big ideas choose  
the CraftBot Flow XL!



## PERFORMANCE

Print speed: up to 200 mm/s  
Power consumption: max. 500 W

## PHYSICAL DIMENSIONS

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"  
Weight: 32 kg

## TEMPERATURE

Operating nozzle temperature: up to 300 °C  
Operating heated build plate temperature: 60 - 110 °C

# CraftBot FLOW IDEX

## DOUBLE YOUR PERFORMANCE

Our IDEX printers with their huge print volume and high quality independent dual extruders are able to print 2 objects in the same time (mirror or parallel mode).

You can also use 2 different materials, print bicolor items, or object with PVA support.



Great value for money



„The Tank”



Printing accuracy



Plug 'n' Play device



Print pause & resume



Color LCD touchscreen



Heatable build platform



CraftWare

### PERFORMANCE

Print speed: up to 200 mm/s  
Power consumption: max. 500 W

### PHYSICAL DIMENSIONS

Build volume: 450 x 250 x 250 mm - 17.7 x 9.8 x 9.8"  
Frame dimension: 635 x 450 x 540 mm - 25 x 17.7 x 21.2"  
Weight: 35 kg

### TEMPERATURE

Operating nozzle temperature: UP TO 300 °C  
Operating heated build plate temperature: 60 - 110 °C

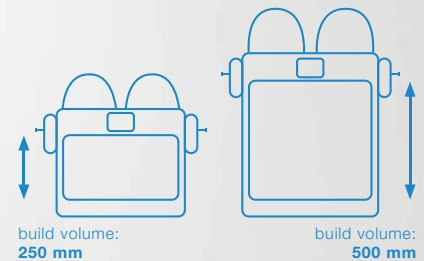




# CraftBot FLOW *IDEX XL*

CraftBot Flow IDEX XL is  
**THE BIGGEST IDEX  
PRINTER OF THE WORLD.**

Build volume:  
**450 x 250 x 500 mm**



## PERFORMANCE

Print speed: up to 200 mm/s  
Power consumption: max. 500 W

## PHYSICAL DIMENSIONS

Build volume: 450 x 250 x 500 mm - 17.7 x 9.8 x 19.7"  
Frame dimension: 635 x 450 x 790 mm - 25 x 17.7 x 31.1"  
Weight: 38 kg

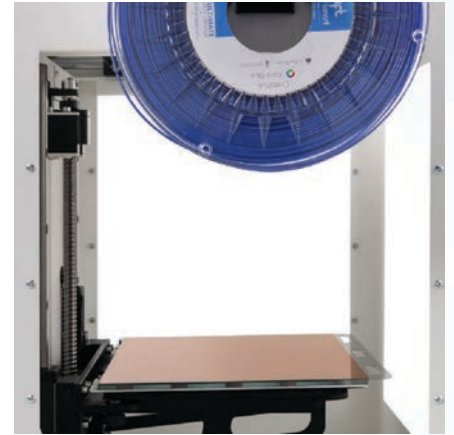
## TEMPERATURE

Operating nozzle temperature: up to 300 °C  
Operating heated build plate temperature: 60 - 110 °C



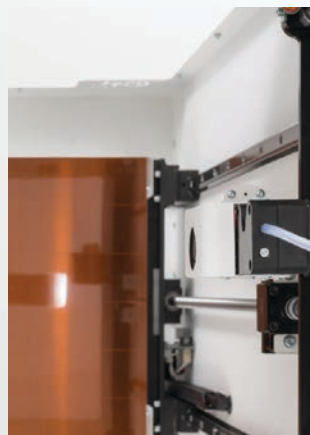
# CraftBot FLOW

THE COMPACT 'TANK' FOR EVERYDAY USE



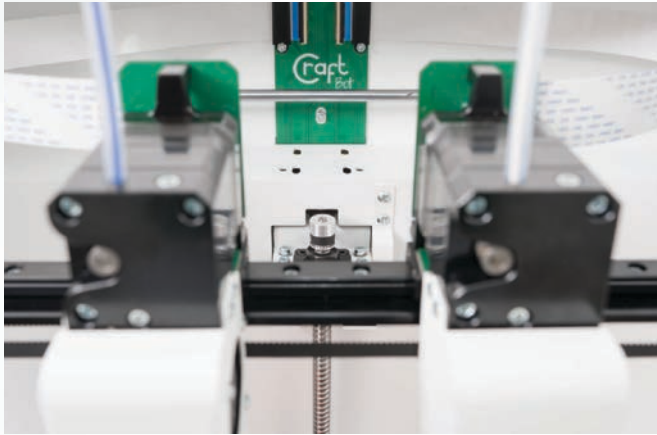
# CraftBot FLOW<sub>XL</sub>

THE BIG 'TANK' BROTHER WITH LARGER PRINTING AREA



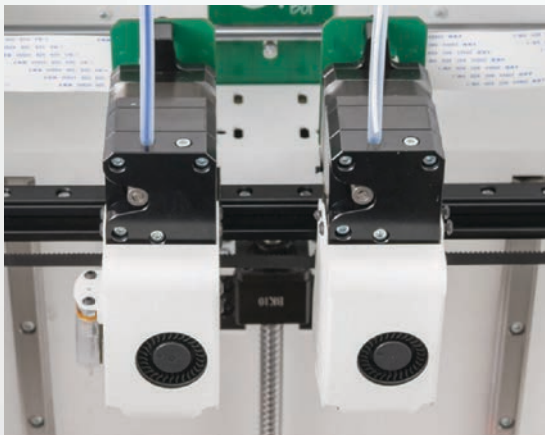
# CraftBot FLOWIDEX

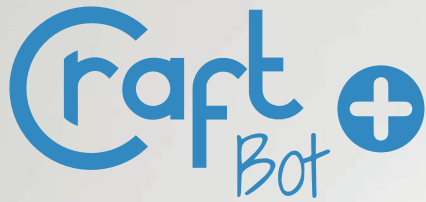
DOUBLE YOUR PERFORMANCE



# CraftBot FLOWIDEX XL

THE BIGGEST IDEX EVER





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

The multi award-winning CraftBot Plus 3D printer was upgraded and from now on it is available with glass build plate and allmetal hotend for an even better printing experience.



## PERFORMANCE

Print speed: 50-200 mm/s  
Power consumption: cca. 110 W

## PHYSICAL DIMENSIONS

Build volume: 250 x 200 x 200 mm - 10 x 8 x 8"  
Frame dimension: 410 x 360 x 380 mm - 14 x 16 x 15.2"  
Weight: 14.45 kg

## TEMPERATURE

Operating nozzle temperature: 180 - 260 °C  
Operating heated build plate temperature: 50 - 110 °C



UPGRADED WITH:

## GLASS BUILD PLATE

### Flatness

Print beds need to be flat throughout printing to avoid running into errors. Glass has a high modulus of elasticity and is thermally stable. Therefore, it remains flat and will ensure the bed's leveling remains consistent throughout.

### Smooth Finish

Most of the user want the bottom of their prints to be as soft as possible; glass guarantees such a finish, giving a mirror-like, glossy base that cannot be achieved by most bed surfaces.

### Thermal Conductivity

There are instances where the build platform needs to be heated to prevent warping and to improve print quality. Thermal conductivity means you have a thermally stable platform that will not be affected by sudden rises or drops in temperature.



## Durability

Durable glass like tempered glass will not easily shatter or crack when exposed to high strains because it is manufactured to be more tolerant.

## Scratch Resistance

Beds like acrylic can easily get scratched and become a nuisance when printing. However, tempered glass tends to be scratch resistant and is not susceptible to abrasive or chemical damage.

## ALL-METAL HOTEND

### Less filament jam

Fewer parts and connection points make jams less likely and much easier to clear.

### Better printing quality

Thanks to the inclusion of an all metal hotend, Craftbot is able to print in exceptional quality. This makes it perfect to also print in more exotic materials, like wood and brass filaments.

### Improved cooling system

All-metal hotends have active cooling in order to isolate the melt zone. A smaller, more controlled melt zone provides cleaner retractions and less oozing for better print quality.



## FILAMENT MONITORING SYSTEM (ADD-ON)

The filament monitoring system (FMS) supervises filament consumption, starts immediate troubleshooting when a filament jam is detected and messages the user in case there's a need for intervention.



Great value for money



Printing accuracy



Print pause & resume



Heatable build platform



„The Tank”



Plug 'n' Play device



Color LCD touchscreen



CraftWare







TECHNOLOGY	Technology Fused Filament Fabrication (FFF)
EXTRUDER TECHNOLOGY	Direct drive single extruder
BUILD VOLUME	300 x 200 x 250 mm 11.8 x 7.9 x 9.8 in
FRAME DIMENSION	485 x 400 x 540 mm 19.1 x 15.7 x 21.2 in
SHIPPING WEIGHT (NET WEIGHT)	37 kg / 81.6 lbs (28 kg / 61.7 lbs)
FILAMENT TYPES	Open filament
OPERATING NOZZLE TEMPERATURE	180-300 °C
OPERATING HEATED BUILD PLATE TEMPERATURE	30-110 °C
LAYER RESOLUTION	50 micron
WEB PLATFORM, IOT INTEGRATION	✓
BUILT IN CAMERA	✓
MESH BED LEVELING - BL TOUCH	✓
RASPBERRY PI HMI ENGINE	✓
IOT INTEGRATION	✓
MAGNETIC FLEX METAL BUILD PLATE	✓
5" COLOR LCD TOUCHSCREEN	✓
FILAMENT MONITORING SENSOR	✓

## CraftBot FLOW<sub>XL</sub>

Technology Fused Filament  
Fabrication (FFF)

Direct drive single extruder

300 x 200 x 500 mm  
11.8 x 7.9 x 19.7 in

485 x 400 x 790 mm  
19.1 x 15.7 x 31.1 in

42.5 kg / 93.7 lbs  
(32kg / 70.5 lbs)

Open filament

180-300 °C

30-110 °C

50 micron



## CraftBot FLOW<sub>IDEX</sub>

Technology Fused Filament  
Fabrication (FFF)

Direct drive independent dual extruder

450 x 250 x 250 mm  
17.7 x 9.8 x 9.8 in

635 x 450 x 540 mm  
25 x 17.7 x 21.2 in

45.5 kg / 100.3 kg  
(35 kg / 77.2 lbs)

Open filament

180-300 °C

30-110 °C

50 micron



## CraftBot FLOW<sub>IDEX XL</sub>

Technology Fused Filament  
Fabrication (FFF)

Direct drive independent dual extruder

450 x 250 x 500 mm  
17.7 x 9.8 x 19.7 in

635 x 450 x 790 mm  
25 x 17.7 x 31.1 in

53 kg / 116.8 lbs  
(36 kg / 79.3 lbs)

Open filament

180-300 °C

30-110 °C

50 micron



Cooperation between 3D printer and people has never been easier.  
Get in touch!

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CraftBot is made in the EU.

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