

BLACKBELT

BY OMD3D

After being several years a reseller for the Blackbelt 3D Holding, we took over all activities of Blackbelt 3D printers in January 2022.

Since then we not only manufacture Blackbelt printers inhouse (Belgium), but also made improvements & developed a wide range of add-ons.

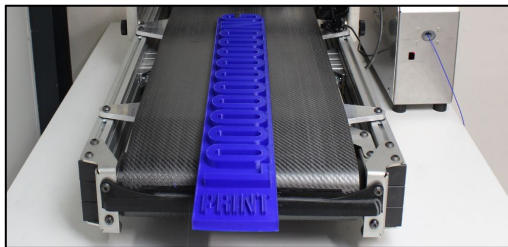
This makes the Blackbelt 3D printer a professional & multi-function machine, suited for all different kinds of productions and companies.

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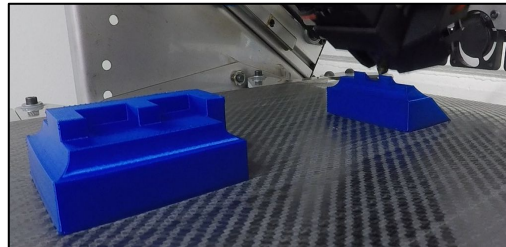
Printing under an angle of 45° combined with a conveyor belt as build platform, makes long profiles, large series or parts without support are perfectly achievable. It is a unique and patented concept, specially designed for all engineering projects, technical parts or mass production.

Blackbelt 3d printer is the original and professional belt printer on the market:

- premium design
- use of high quality components like Bosch profiles, Hiwin linear guides, Dyze extruders, carbon belt , ...
- capable of printing with a wide range of filaments: PLA, PETg, Nylon, PP, PC, carbon fiber or glass fiber filled materials ...
- Adjustable print angles: from 15° to 45° depending on part geometry



Long parts



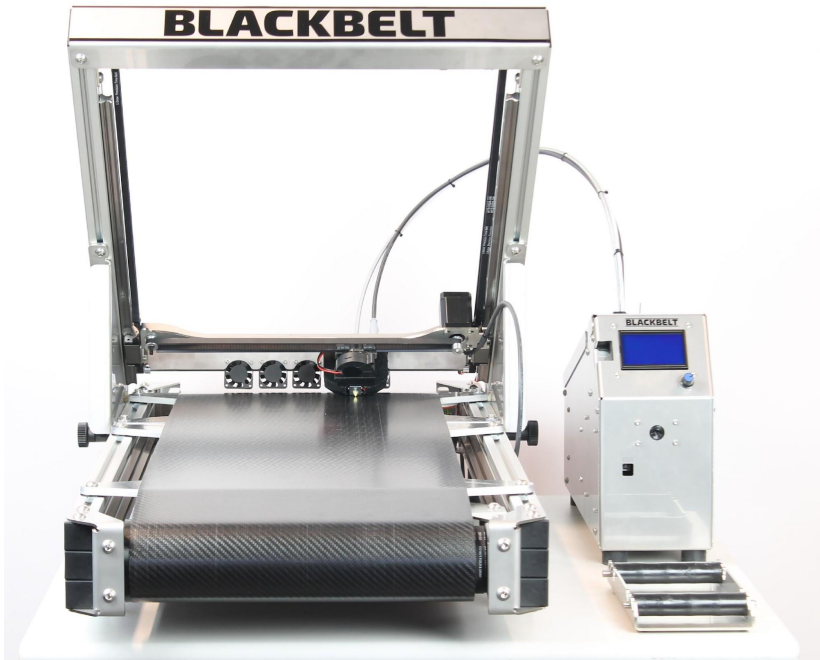
Serial production



Supportless printing

BLACKBELT®

Blackbelt 3D printer starts from the basic printer, but can be upgraded with a wide range of add-ons to meet the needs and wishes of different customers & business applications.



Basic machine: technical specifications

Volume: 340x340x□ ...mm

Single head

Nozzle temp max: 500°C

Temp build plate: 140°C

Printing speed: 150mm/s

Print angle: adjustable between 15° and 45°

Filament Ø : 1.75mm

Accuracy: +/- 0.4mm

Software: Blackbelt Cura

Power requirements 120- 240 V AC

Power Supply 600W- 24V

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Stand-alone frame for an easy and stable placement of the printer



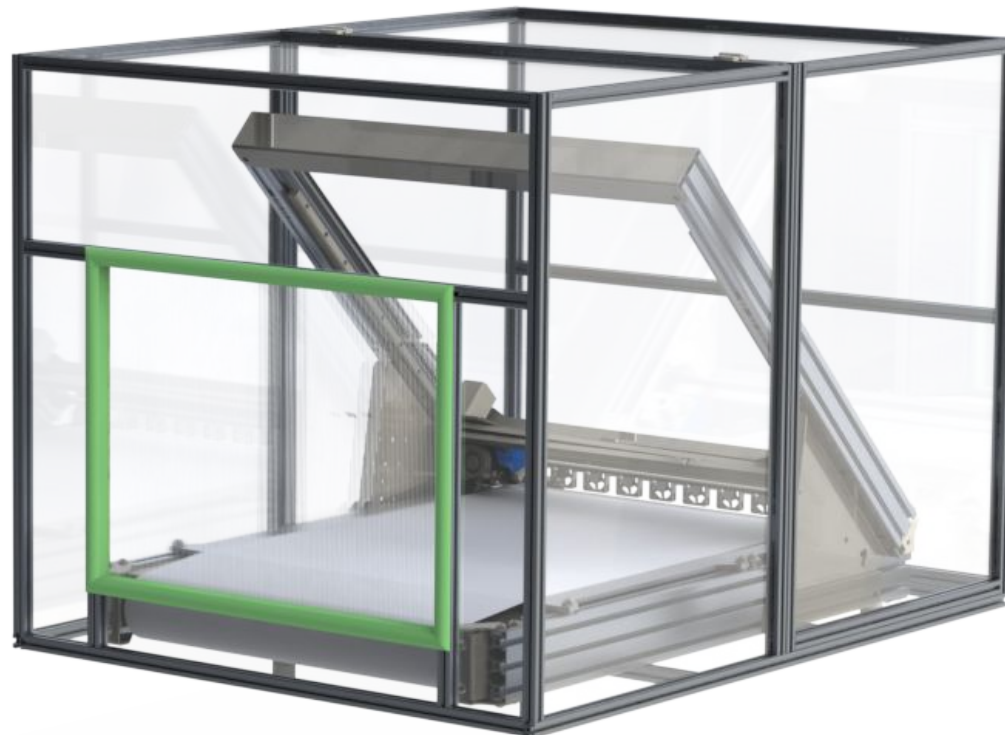
Roller table for supporting long prints like profiles, light tubes, ...



Why an enclosure: - avoid unwanted airflow

- stable print environment
- reduce noise

result : higher print quality and less warping, wider range of filaments



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- Possibilities:
- PC enclosure for printer
 - PC enclosure Roller table
 - Heater ready enclosure (Black)
 - Enclosure heating
 - Filament conditioning
 - Filament drying
 - Roller table heater



PC enclosure



Enclosure heater ready (Black)

Some examples of possible combination



Printer (340mm, single extrusion) with enclosure, stand-alone and roller table



Printer (340mm, double extrusion) with enclosure, heater ready enclosure



Blackbelt worldwide: our distributors

Want to join us as a distributor?

Give us a call +32 474 034 360 or send us an email sales@omd3d.com



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Supported materials

- Colorfabb Economy PLA
- Colorfabb LW - PLA (light weight)
- Colorfabb Economy PETg
- Colorfabb ASA
- Colorfabb HT
- Colorfabb XT-CF
- Colorfabb nGen
- Colorfabb nGen CF (carbonfiber)
- Colorfabb PA-CF
- Colorfabb Colorfabb NT Cheetah (Flex)
- Colorfabb Ninja Flex
- Colorfabb Varioshore TPU
- ...

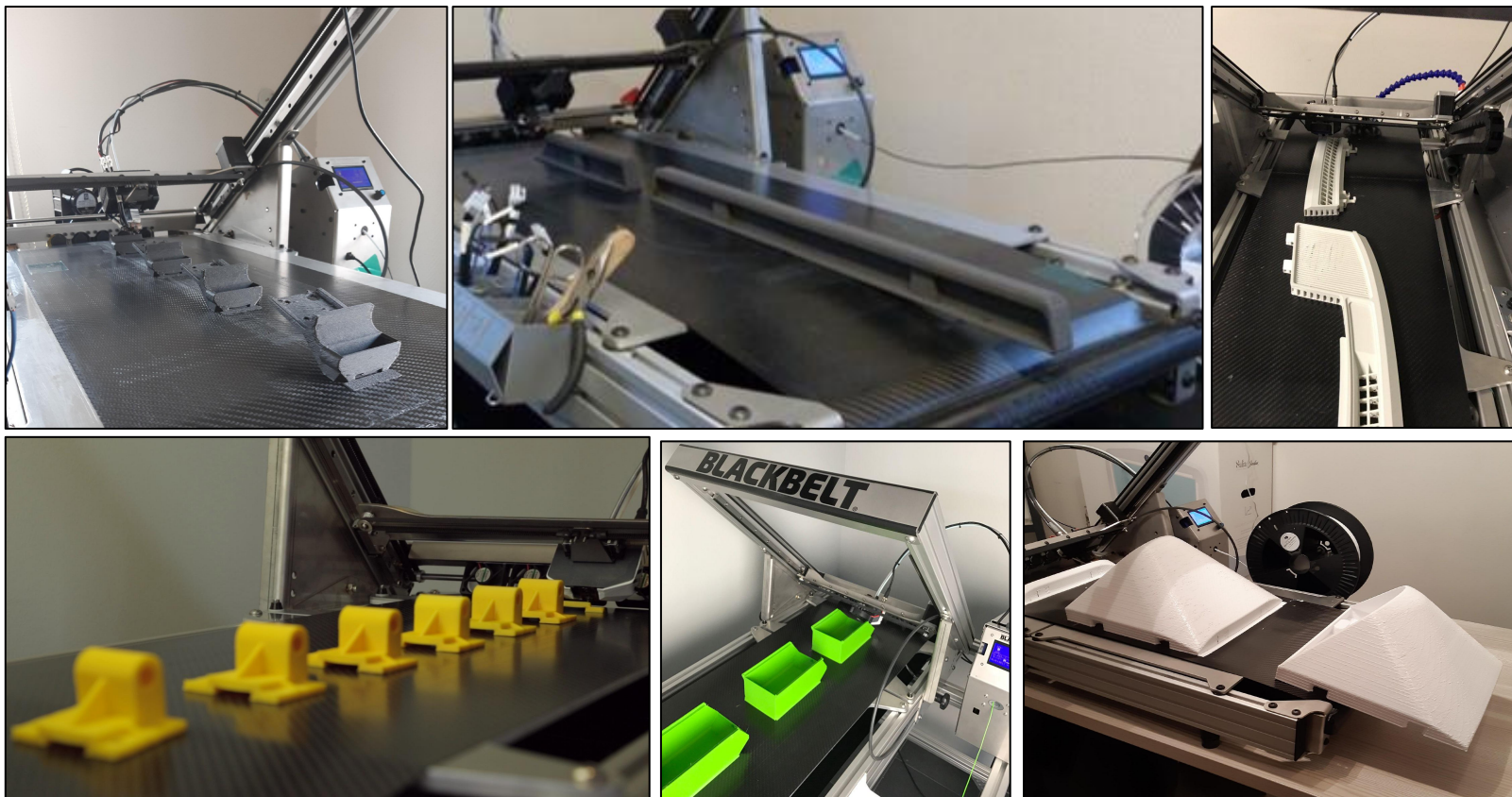


- Treed TPE-U pneumatque (rubber)
- Treed PP P-lene4
- Treed PC P51
- Prusa PC Blend
- Beond3D PP glasfiber (35%)
- Formfutura Abs pro flame retardant
- Formfutura Carbonfil
- Formfutura Novamid ID1030-CF10 (PA-CF)
- Formfutura PLA Easy wood
- ...

But other materials can be used as this is an open filament system

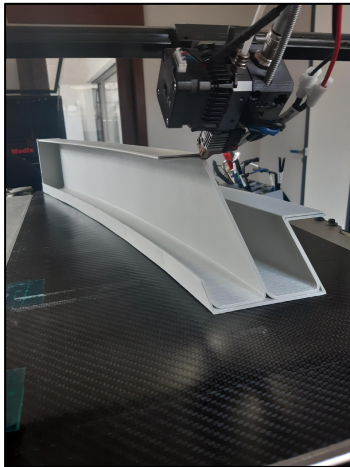
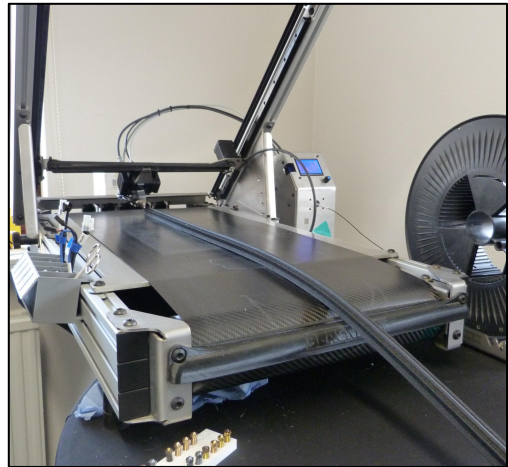
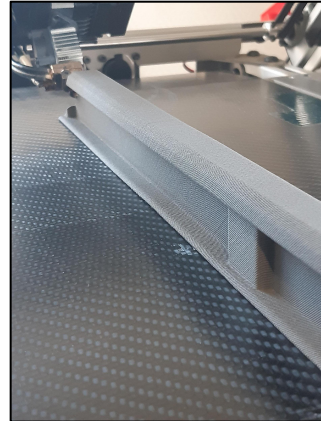
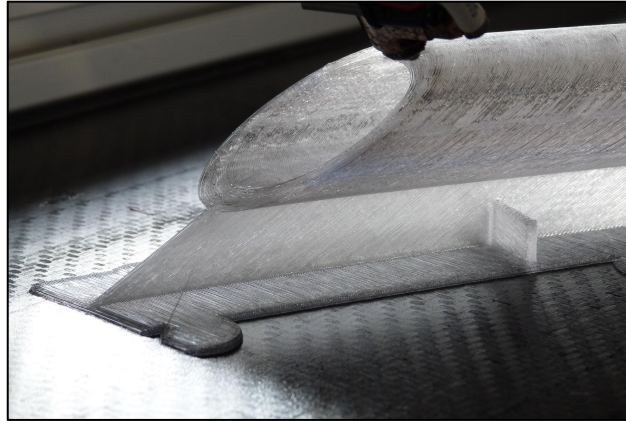
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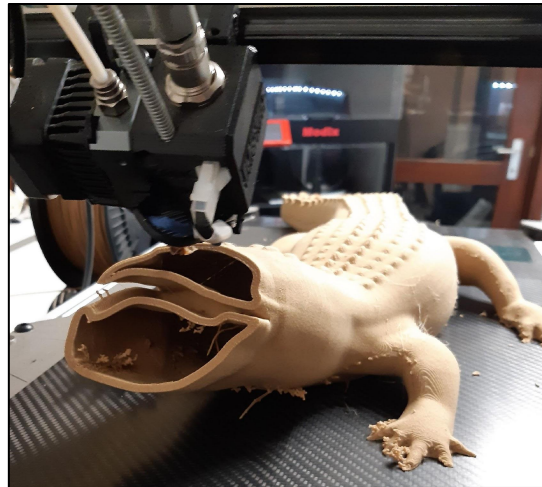
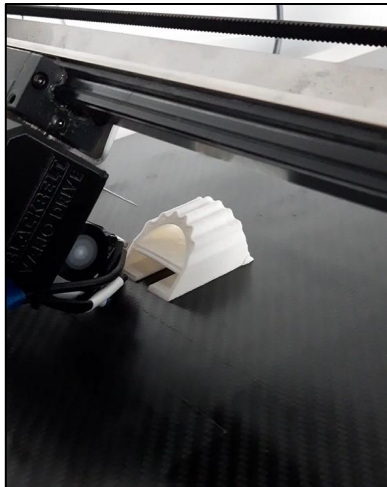
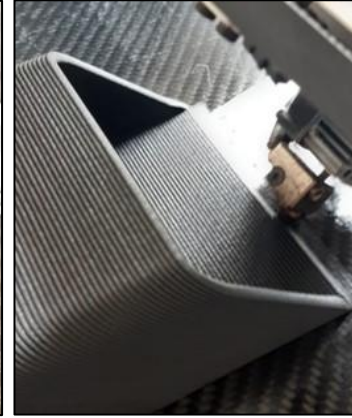
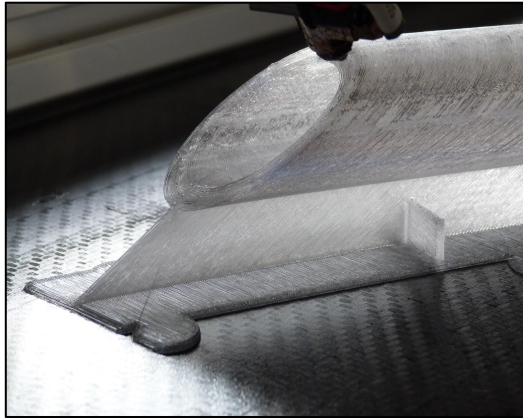
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Long profiles



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Supportless prints



Complete service – from design to production

Have a particular question or special requests?

Do not hesitate to contact us or one of our
distributors.

We are all here to help and assist you!

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