

BLOCKS

BLOCKS PRO S30
technical specifications



BLOCKS PRO S30

The **Pro S30** is the new professional 3D Printer by Blocks. The first of a new generation of professional 3D printers, engineered to higher standards capable to cope with harsh professional and industrial environments. Featuring a bigger build volume addressing the need for larger technical 3D prints , auto bed levelling ensuring a perfect first layer turns the Pro S30 is the ultimate professional focused 3D printing solution.



BLOCKS PRO S30 Technical Specifications

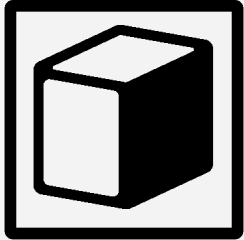
Build Volume: 310 x 310 x 310 mm
Layer Resolution: 0,4 mm nozzle: 20-200 microns
Build Plate: up to 100 °C heated glass build plate
Build Plate Levelling: Assisted calibration or full automatic
Sensors: Filament break sensor
Filament diameter: 1.75 mm
Nozzle temperature: 170° – 270° C
Nozzle heat up time: 1 min approx.
Build plate heat up time: up to 100° in 5 min approx.
Build speed: 60 (mm/s)
Travel Speed: up to 250 (mm/s)

Dimensions: X Y Z: 500 x 490 x 600 mm (no filament)
Dimensions: X Y Z: 500 x 590 x 750 mm (with filament)
Supported Materials: PLA, ABS, PETG, HIPS, Nylon, Materials with particles: metal, wood, stone, among others.
Recommended printing method: SD Card
Software: Cura, Simplify 3D, Slic3r
Operating ambient temperature: 15° – 32° C
Non-operating temperature: 0° – 32° C
Power Rating: 24 V DC, 20 AMPS
Connectivity: USB Port, SD card,
Display: LCD Display

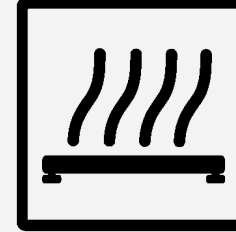
Package Includes:

SD Card	Calibration Piece
USB Cable	24 Months Warranty (excl. hot end)
Power cable	Spool Holder
Spatula	Spool of Filament
Tweezer	Set of Nozzles

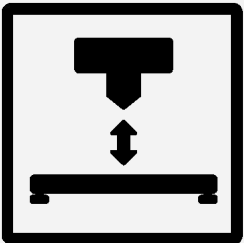
BLOCKS PRO S30 Key Features



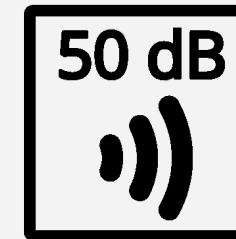
Print volume of 200x210x210 (mm) and a removable print platform.



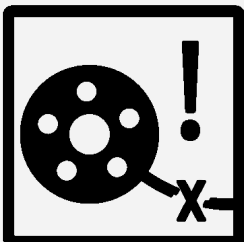
High Performance Heated Bed
Improved energetic efficiency. 24v power supply, capable of reaching 100° C on the print plate in under 5 minute. Making it easy to print in most exotic materials



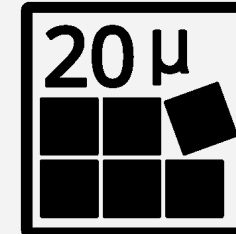
With two modes of operation, assisted calibration or full auto, never worry again about prints not sticking to the plate.



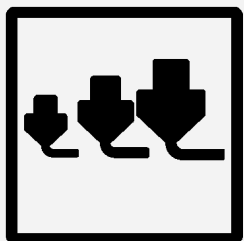
Operating noise of only 40-50 dB.
Quiet electronics, due to TMC stepper motor control.



A sensor contained in the extruder block detect a filament run out or filament break making it possible to resume printing and avoid losing any job.









High quality prints with a maximum Resolution of 20 microns.



For those who want to explore the limits of high resolution printing with small nozzles, as well as faster high layer height printing with large nozzles.

BLOCKS PRO S30 3D Printers Benchmark

Features	BLOCKS Pro30	Ultimaker S5	Zortrax M300	Builder	Makerbot Replicator Z18	Pro2 3D Printer
						
Origin	PT	NL	PL	NL	USA	USA
Price (VAT excl)	2,449.00 €	5,495.00 €	2,627.50 €	3,250.00 €	5,709.09 €	3,499.00 €
Dimension	500 x 490 x 600	495 x 585 x 780	473 x 488 x 665	370 x 380 x 710	493 x 565 x 861	620 x 590 x 760
Build volume (X/Y/Z)	310 x 310 x 310	330 x 240 x 300	300 x 300 x 300	210 x 210 x 400	300 x 305 x 457	305 x 305 x 300
File Transfer	USB	USB	SD Card	USB	USB	USB
Filament Diameter (mm)	1.75	2.85	1.75	1.75	1.75	1.75
Weight (Kg)	22	20.6	27	24	41	52
Autocalibration	✓	✓	✓	✗	✓	✗
Filament Sensor	✓	✓	✗	✗	✓	✓
Dual Extrusion	✗	✓	✗	✓	✗	✓
Heated Bed	✓	✓	✓	✓	✓	✓
Wi-Fi	optional	✓	✗	✓	✓	✓
LCD Display	✓	✓	✗	✓	✓	✓
Materials Available	PLA, ABS, PETG, HIPS, Nylon, Materials with particles of metal, wood, stone, etc.	PLA, Tough PLA, Nylon, ABS, CPE, CPE+, PC, TPU 95A, PP, PVA, Breakaway	Z-HIPS, Z-GLASS, Z-PETG, Z-ESD, Z-ASA Pro, Z-PLA Pro	PLA, PVA, FLEX, PET, Woodfill, Bronzefill	MakerBot PLA, Smart Extruder+ MakerBot Tough, Tough Smart Extruder+ Additional materials such as bronzefill, copperfill, and woodfill	PLA / ABS / HIPS / PC / TPU / TPE / NYLON / PETG / ASA PP / Glass Fiber Enforced / Carbon Fiber Enforced Metal Particles Filled / Wood Filled

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info@blockstec.com | www.blockstec.com | +351 215 874 598

Rua Mártires de Timor 30

2685-331 Lisboa

Portugal