

Roboze One XTREME



DIMENSIONS

External	(X)550 x (Y)650 x (Z)660 mm / 21.7x25.6x26.0 in
With Cabinet	(X)800 x (Y)700 x (Z)1680 mm / 31.5x27.6x66.1 in
Build Volume	(X)300 x (Y)250 x (Z)200 mm / 11.8x9.8x7.9 in
Shipping Box	(X)1020 x (Y)930 x (Z)2100 mm / 40.2x36.6x82.7 in
Weight	280 Kg / 620 lb

ACCURACY

XY: 15 µm/590.55 µin	Z: 25 µm/984.25 µin
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RESOLUTION

Quality Profile: 0.18 mm/0.007 in	Speed Profile: 0.24 mm/0.009 in
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PRINT SPEED

4000 mm/min -157 in/min

ELECTRONICS

Stepper Motors with High Resolution Encoders

Stepper Driver with heat sinks

3.5" Display touch screen

Maximum Power Absorbed: 2300W

Temperature sensors in the extruder and the building plate

Build plate heated up to 100°C/212°F

200 to 240 V AC (±10% max), 50/60 Hz

MATERIALS

CARBON PA	FLEX-TPU	ULTRA-PLA
PP	ABS-ESD	STRONG-ABS
FUNCTIONAL-NYLON		

EXTRUDER MECHANICS

High thermal efficiency extruder block with 1 extruder
Extruder temperature up to 300°C/572°F
Tip2-B - 0,4 mm/0.016 in
Tip2-HA - 0,4 mm/0.016 in

GENERAL MECHANICS

Electro-galvanized steel frame and cover
C50 hardened and chromed steel brass for X and Y supports
High precision ball sleeves for X and Y linear motion
Mechatronic movement of X and Y axes with C5 hardened helical rack and pinion
C7 ball screw nut seat with aluminum flexible spider shaft coupling to absorb vibrations from Z motor
Mobile components and aluminum supports from CNC mechanical precision machining
Vacuum system for the adhesion of the polymeric films
Build plate auto-levelling
Integrated HT Dryer up to 120°C/248°F with automatic filament loading
Auxiliary pneumatic system

CONTENT

USB flash drive	3,0 mm (1/8") key wrench
Thickness gauge	Screwdriver
Safety goggles	Blister of Grease
Safety gloves	Panel key
Metallic spatula	Nipper

SLICING SOFTWARE

Simplify3D

COMMUNICATIONS

Wi-fi & Ethernet connection
USB output type B

EMEA HEADQUARTERS

Roboze SPA

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USA HEADQUARTERS

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