

Roboze One +400

Dream up the impossible
then do it!



DIMENSIONS

External	(X)565 x (Y)465 x (Z)900 mm / 22.2x18.3x35.4 in
Build Plate	(X)300 x (Y)200 x (Z)200 mm / 11.8x7.9x7.9 in
Shipping Box	(X)1220x (Y)740x (Z)1160 mm / 48.0x29.1x45.7 in
Weight	90 kg/198 lb

ACCURACY

XY: 25 µm/984.25 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

3000 mm/min - 118 in/min

ELECTRONICS

Stepper Motors: 1A 1,8 deg
Stepper Driver with heat sinks
5" Display touch screen
Maximum Absorbed Power: 700 W
Temperature sensors in the extruder and the build plate
Build plate heated up to 130°C/266°F
100 to 240 V AC (±10% max), 50/60 Hz

MATERIALS

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

EXTRUDER MECHANICS

High thermal efficiency extruder block with 1 extruder

Extruder temperature up to 450°C/842°F

Tip2-B - 0,4 mm/0.016 in

Tip2-C - 0,4 mm/0.016 in

Tip3-HSA - 0,4 mm/0.016 in (HVP)

Compressed air cooling system for HVP extruder

GENERAL MECHANICS

Electro-galvanized steel frame

C50 hardened and chromed steel brass for X and Y supports

Ball sleeves for X and Y linear motion

C7 ball screw nut seat with aluminum flexible 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

Leveling system and cushioning of the building plate on 4 points

CONTENT

SD Card	2,5 mm (3/32") key wrench
Power Cable	Extruder cleaning wire
Thickness gauge	Screwdriver
Safety goggles	Blister of Grease
Safety gloves	Vacuum box with Teflon Hose Kit
Metallic spatula	Spiral pneumatic hose

SLICING SOFTWARE

Simplify3D (not included)

COMMUNICATIONS

Standard DSCH memory card reader and 16GB card included

EMEA HEADQUARTERS

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USA HEADQUARTERS

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