



Roboze One Xtreme

Dimensions

External	(X)790x(Y)690x(Z)1660 mm / 31.1x27,16x65,35 in
Build volume	(X)300x(Y)250x(Z)200 mm / 11.8x9.8x7.9 in
Shipping Box	(X)1030x(Y)1030x(Z)2070 mm / 40.5x40.5x81.5 in
Machine Weight	280 kg / 620 lb

Accuracy

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

Resolution

Quality Profile:0.18 mm / 0.007 in	Speed Profile:0.24 mm / 0.009 in
	Ultra Fast Profile:0.36 mm / 0.014 in

Electronics

Stepper Motors with High Resolution Encoders
Stepper Driver with heat sinks
3.5" Display touch screen
Maximum Power Absorbed: 2300 W
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
Current Consumption: 10A Max

TDS.X1.01

Materials

CARBON PA

FUNCTIONAL-NYLON

ULTRA-PLA

FLEX-TPU

STRONG-ABS

ABS-ESD

PP

Extruder mechanics

High thermal efficiency extruder block with 1 extruder

Extrusion 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

C7 ball screw nut seat with aluminum flexible spider shaft coupling to absorb vibrations from Z motor

Mechatronic movement of X and Y axes with C5 hardened helical rack and pinion

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	Screwdriver
Thickness gauge	3.0 mm (1/8") key wrench
Safety goggles	Blister of HT Grease
Safety gloves	Panel's keys
Metallic spatula	Nipper

Slicing software

Prometheus

Communications

USB output type B

WiFi & Ethernet connection