



# Roboze One +400 Xtreme

## Dimensions

External	(X)790x(Y)690x(Z)1910 mm / 31.1x27,16x75,2 in
Build volume	(X)300x(Y)250x(Z)220 mm / 11.8x9.8x8.7 in
Shipping Box	(X)1030x(Y)1030x(Z)2070 mm / 40.5x40.5x81.5 in
Machine Weight	300 kg / 660 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 Quality Profile:0.12 mm / 0.005 in	Ultra Fast Profile:0.36 mm / 0.014 in

## Electronics

Stepper Motors with High Resolution Encoders
Stepper Driver with heat sinks
5" Display touch screen
Maximum Power Absorbed: 2300 W
Temperature sensors in the extruder and the building plate
Build plate heated up to 150°C / 302°F
200 to 240 V AC (±10% max), 50 / 60 Hz
Current Consumption: 10A Max

**Materials**

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

**Extruder mechanics**

High thermal efficiency extruder block with 1 extruder

Extrusion temperature up to 500°C / 932°F

Tip2-B - 0.4 mm / 0.016 in

Tip2-HA - 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 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 keys
Metallic spatula	Nipper

## Slicing software

Prometheus

## Communications

USB output type B

WiFi & Ethernet connection



PRINT STRONG LIKE METAL

**BARI, IT**  
HEADQUARTERS EMEA  
**Roboze S.P.A.**

Via Vincenzo Aulisio n. 31/33  
70124 Bari, Italia  
(+39) 080 505 7559

**HOUSTON, US**  
HEADQUARTERS US  
**Roboze Inc**

7934 Breen Drive  
77064 Houston, Stati Uniti  
(+1) 346 229 5675