

# Roboze One +400 XTREME



## DIMENSIONS

<b>External</b>	(X)550 x (Y)650 x (Z)890 mm / 21.7x25.6x35.0 in
<b>With Cabinet</b>	(X)800 x (Y)700 x (Z)1890 mm / 31.5x27.6x74.4 in
<b>Build Volume</b>	(X)300 x (Y)250 x (Z)220 mm / 11.8x9.8x8.7 in
<b>Shipping Box</b>	(X)1020 x (Y)930 x (Z)2100 mm / 40.2x36.6x82.7 in
<b>Weight</b>	300 Kg / 660 lb

## LAYER RESOLUTION

Quality Profile: 0,18 mm / 0.007 in  
Speed Profile: 0,24 mm / 0.009 in

## PRINT SPEED

4000 mm/min - 157 in/min

## 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

## MATERIALS

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

## EXTRUDER MECHANICS

High thermal efficiency extruder block with 1 extruder

Extrusion temperature up to 450°C/842°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

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	

## SLICING SOFTWARE

Integrated Roboze Slicing Software

## COMMUNICATIONS

Wi-fi & Ethernet connection

USB output type B

### EMEA HEADQUARTERS

**Roboze SPA**

Via Vincenzo Aulisio 31/33 70124 Bari - Italy

### USA HEADQUARTERS

**Roboze INC**

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Authorized Roboze Reseller  
[www.ncst.com](http://www.ncst.com)