



Roboze Plus PRO

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
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Resolution	Quality Profile	Speed Profile
	UltraQUALITY Profile	UltraFAST Profile

Electronics	Stepper Motors with High Resolution Encoders
	Stepper Driver with heat sinks
	5" Display touch screen
	Installed Power: 1800W + 1100W Dryer
	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: 12.5 A Max

Materials

PEEK	FUNCTIONAL -NYLON	ULTRA-PLA
CARBON PEEK	STRONG-ABS	FLEX-TPU
CARBON PA PRO	PP	
PEKK	TOOLINGX CF	

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 - 0.6 mm / 0.024 in

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Tip2-HA - 0.8 mm / 0.031 in

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Tip3-HSA - 0.25 mm / 0.009 in (HVP)

Tip2-B FLEX - 0.4 mm / 0.016 in

Tip3-HSA - 0.4 mm / 0.016 in (HVP)

Tip2-B FLEX - 0.6 mm / 0.024 in

Tip3-HSA - 0.6 mm / 0.024 in (HVP)

Tip2-HA - 0.4 mm / 0.016 in

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 at 120°C / 248°F with automatic filament loading

Auxiliary pneumatic system

Content

USB flash drive	Screwdriver
Thickness gauge	3,0 mm Allen key
Safety goggles	Blister of HT Grease
Safety gloves	Panel keys
Metallic spatula	Cutter nipper
Blister of Multiuse Grease	2 kg spool of ULTRA-PLA
Extruder Tip2-B 0.4 mm	Pack of 10 buildsheets for ULTRA-PLA
Utility Knife	Syringe with blunt needle

Slicing software

Simplify3D

Communications

USB output type B

WiFi & Ethernet connection

API



PRINT STRONG LIKE METAL

BARI, IT
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