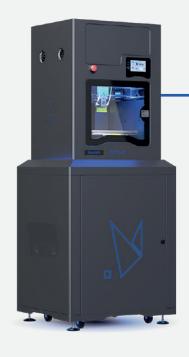


Plus PRO

3D Printer Brochure





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			
Resolution	Quality Profile	Speed Profile			
	UltraQUALITY Profile	UltraFAST Profile			
Electronics	CS 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				
	Current consumption: 12.5 A Max				

Materials	DEFIN	FUNCTIONAL-NYLON	ULTRA-PLA	
	PEEK			
	CARBON PEEK	STRONG-ABS	FLEX-TPU	
	CARBON PA PRO	PP PRO		
	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 0.6 mm 0.8 mm / 0.016 in 0.024 in 0.031 in			
	Tip2-B FLEX - 0.4 mm 0.6 mm / 0.016 in 0.024 in			
	Tip2-HA - 0.4 mm 0.6 mm 0.8 mm / 0.016 in 0.024 in 0.031 in			
	Tip3-HSA - 0.25 mm 0.4 mm 0.6 mm / 0.009 in 0.016 in 0.024 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 at 120°C / 248°F with automatic filament loading			
	Auxiliary pneumatic system			

ROBOZE DATA SHEET

Plus PRO Rev 0.0 - Technical datasheet - ENG [04]

Revision Date: 07.2023

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	
Comunications	USB output type B	
	WiFi & Ethernet connection	
	API	



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