



# Roboze ARGO 500

## Dimensions

External	(X)1935x(Y)1436x(Z)2375 mm / 76,2x56.5x93.5 in
Build volume	(X)500x(Y)500x(Z)500 mm / 19.7x19.7x19.7 in
Optional build volume	(X)300x(Y)250x(Z)500 mm / 11.8x7.9x19.7 in
Shipping Box	(X)2100x(Y)1700x(Z)2430 mm / 87.8x68.9x96.9 in
Machine Weight	1700 kg / 3748 lb

## Accuracy

XY:10 $\mu$ m / 393.70 $\mu$ m	Z:25 $\mu$ m / 984.25 $\mu$ m
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## Resolution

Quality Profile:0.225 mm / 0.009 in	Speed Profile:0.300 mm / 0.012 in
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## Electronics

High Precision Brushless Motors
11" Display touch screen
Power Absorbed: 10.5 kW Machine max + 1 kW per Dryer
Current consumption: 21 A max
Heating resistances: 7.2 kW
Dryers: up to 4 x 1 kW
Heated chamber up to 180 °C / 356°F
Electrical Supply:
- Europe: 15 kVA / 400 V AC / 50 Hz
- America: 230V 3-phase + N + GR*
<small>*A transformer is needed for the USA</small>
Plug: IEC 60309, 32 A (3P+N +PE / 6H)*
<small>*Bare wire for the USA</small>

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Materials	PEEK	CARBON PA	PP
	CARBON PEEK	FLEX-TPU	ULTRA-PLA
	HELIOS™ PEEK 2005	FUNCTIONAL-NYLON	ABS-ESD
	ULTEM™ AM9085F	STRONG-ABS	SOLUBLE SUPPORT
	BREAKAWAY SUPPORT		
Printing process	High thermal efficiency extrusion block		
	Extrusion temperature up to 500 °C / 932 °F		
	Double Extruder - Nozzle: 0.4 mm and 0.6 mm / 0.016 in and 0.024 in		
	Automatic continuous material feeding system		
	Automatic Double Extruder calibration		
	Filament monitoring		
	Easy management of printing parameters customizable according to the material		
	Print functionality management based on the active user profile		
	Components, consumables and process data live monitoring and recording		
	Remote control		
	Compressed air cooling system		
	Automatic filament loading		
General mechanics	High performance structure made of aluminium bars and steel cover		
	System with precision balls linear bars in ground steel		
	Mechatronic movement of X and Y axes with C5 hardened helical rack and pinion		
	Z movement with a system of precise C6 ball screw		
	Mobile components and aluminium supports from CNC mechanical precision machining		
	Vacuum system for the adhesion of the polymeric films		
	Build plate auto-leveling		
	Door lock security system		
	N. 4 HT Dryer integrated with temperatures up to 120 °C / 248 °F with autoloading of the filament (N. 2 for part materials and n. 2 for support materials)		
	Controlled chamber with forced ventilation		
	Auxiliary pneumatic system		

## Content

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

## Slicing software

Prometheus

## Communications

USB output type B

WiFi & Ethernet connection

API