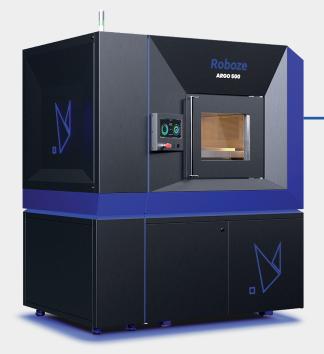
TDS.A5.07





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:10μm / 393.70 μin	Z:25 μm / 984.25 μin		
Resolution	Quality Profile:0.225 mm / 0.009 in	Speed Profile:0.300 mm / 0.012 in		
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* *A transformer is needed for the USA			

Plug: IEC 60309, 32 A (3P+N +PE / 6H)* $_{*\mbox{\footnotesize Bare wire for the USA}}$

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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 continous 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

 ${\sf Z}$ 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
3,0 mm Allen key Cutter nipper	Panel keys 2 kg spool of ULTRA White
Cutter nipper	2 kg spool of ULTRA White

Slicing software

Prometheus

Comunications USB output type B

WiFi & Ethernet connection

API

