



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	1500 kg / 3306 lb

Accuracy

XY:10 μ m / 393.70 μ m	Z:25 μ m / 984.25 μ 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: 15 kVA / 400 V AC / 60 Hz

Connector: IEC 60309, 32 A (3P+N +PE / 6H)*

*The American connectors are provided as needed, according to specific conditions

Materials	PEEK	CARBON PA	PP
	CARBON PEEK	FLEX-TPU	PC-LEXAN™ AMHI240F
	HELIOS™ PEEK 2005	FUNCTIONAL-NYLON	ULTRA-PLA
	ULTEM™ AM9085F	STRONG-ABS	ABS-ESD
	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 (1/8") key wrench	Panels keys
Gasket for buildplate's reduction	Nipper

Slicing software

Prometheus

Communications

USB output type B

WiFi & Ethernet connection

API



Authorized Roboze Reseller
www.ncst.com

