Ultra-fast printing of prototypes and equipments

Roboze One PRO

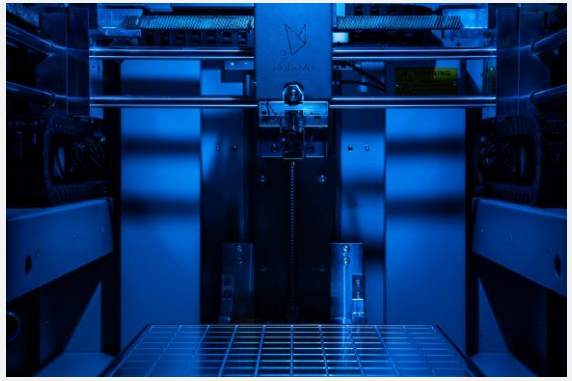
Roboze

Accelerate the production phase of your equipment, from days to just a few hours

Roboze Technology

Accuracy and Repeteability

Roboze's patented gear motion system, the **Beltless System**, has always been synonymous with repeatability and accuracy. The **Roboze One PRO** guarantees **printing precision** of 0,59 mil (15 µm) and repeatability of the printed parts.

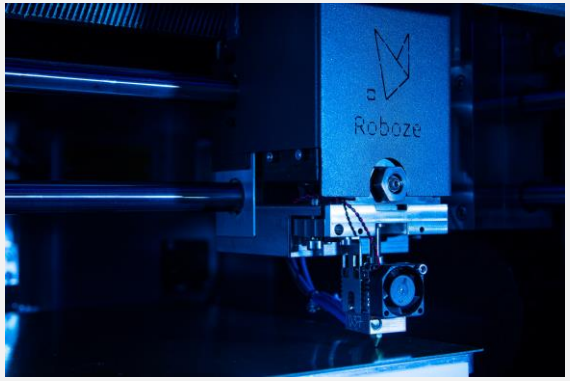


Quick Setup Process

The **complete automation** of all stages of the process **reduces manual operations**. From the loading of the material to the **self-calibration** of the build plate. Achieve the best by doing less

Ultra Fast Production

The **Ultra Fast** profile developed for the PRO systems allows production of components in **Carbon PA and Ultra-PLA** two times faster than any other solution on the market.



#PrintStrongLikeMetal

Professional Series

Roboze Solution

Roboze

Roboze One PRO

Ultra fast printing of prototypes and equipment

Speed, tolerances and repeatability guaranteed by
a solid and industrial 3D printing system

HIGH-PERFORMANCE MATERIALS

ULTRA FAST PRODUCTION

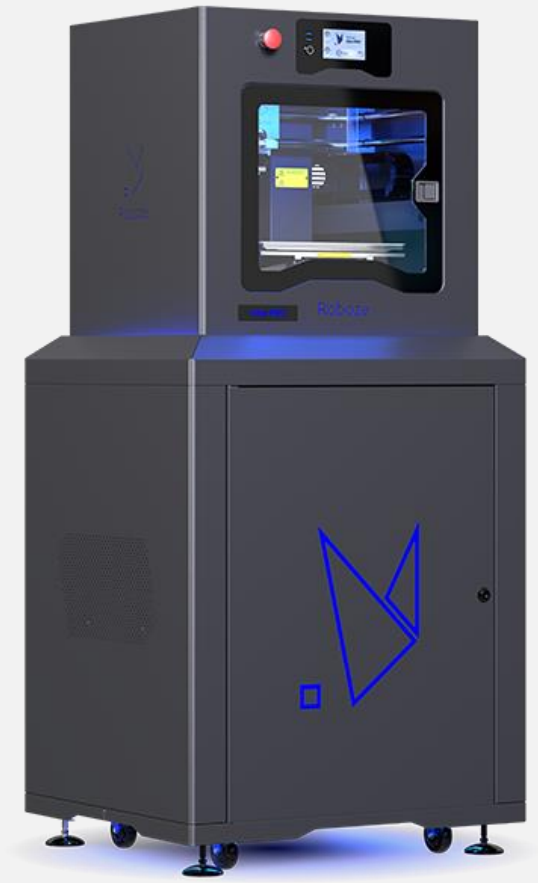
REPEATABILITY OVER TIME

15 µm POSITIONING ACCURACY

#PrintStrongLikeMetal

Professional Series

Roboze Solution



	Professional Series
	Roboze One PRO
Build Volume	300 x 250 x 200 mm 11.8 x 9.8 x 7.9 in
Extruder Temperature	300 °C / 572 °F
Bed Temperature	100 °C / 212 °F
Vacuum Plate	Yes
Accuracy	XY: 15 µm / 590.55 µin Z: 25 µm / 984.25 µin
Resolution	Quality Profile Speed Profile Ultra Fast Profile
MATERIALS	
ULTRA-PLA	X
STRONG-ABS	X
FUNCTIONAL-NYLON	X
ABS-ESD	X
FLEX-TPU	X
PP	X
CARBON PA	X

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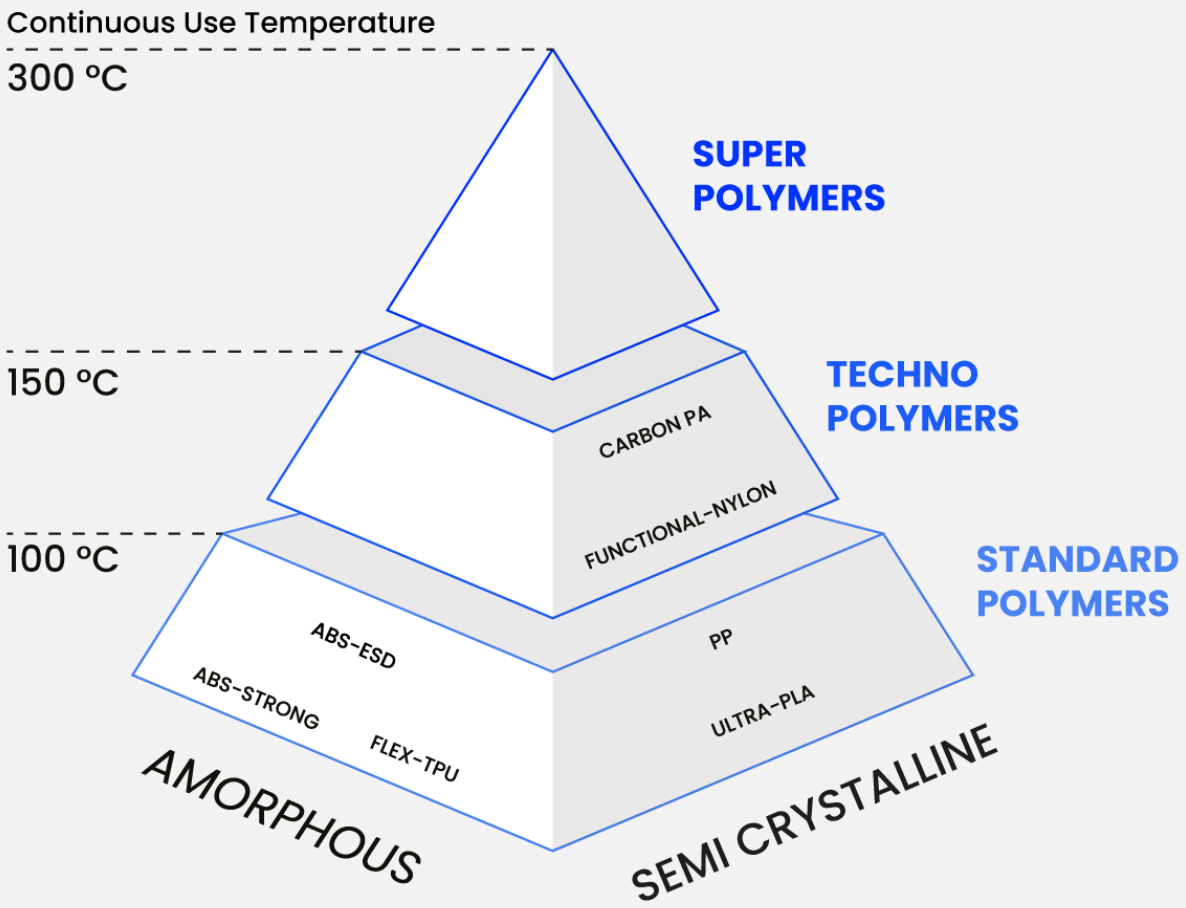
Roboze Material

Engineered for Production



#PrintStrongLikeMetal

Polymers and Composite Materials

Roboze Materials

Carbon PA
PA + Carbon Fibers

High tensile strength
High tensile modulus
Good thermal resistance

FUNCTIONAL-NYLON
Polyamide 6

Low wear and low friction coefficient
Good chemical and mechanical resistance

ABS-ESD
ABS + Carbon Nanotubes

Electrostatic discharge protection with a surface resistivity of 10^7 Ω (the typical range is 10^6–10^9 Ω)

PP
Polypropylene

High chemical resistance, bump and abrasion.
Electric insulation properties.

FLEX-TPU
Thermoplastic polyurethane

Abrasion and fatigue resistance
High elasticity and good hardness
Atmospheric agents resistance

STRONG-ABS
Acrylonitrile-butadiene-styrene

Good processability
Impact resistance
Low water absorption

ULTRA-PLA
Polylactic Acid

High surface quality
Easy to print
Sustainable and hypoallergenic

#PrintStrongLikeMetal

Roboze 3D Printing to be competitive and generate profits

Industrial Production Challenges

SOFT VICE JAWS

MANUFACTURING

FLEX-TPU | **36.14 g** | **7 €** | **3 h 6 min**

20% Infill

SLIDING BRACKET

MANUFACTURING

CARBON PA | **207 g** | **36 €** | **4 h 40 min**

60% Infill

#PrintStrongLikeMetal

Keep in touch

BARI, IT

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