

rize

SAFE | AFFORDABLE | COLOR
3D PRINTING



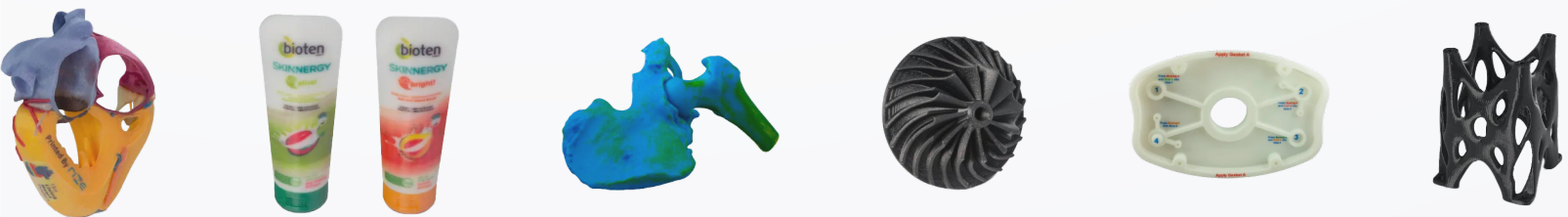
xRIZE
FULL-COLOR COMPOSITE
3D PRINTER
310 X 200 X 200MM



RIZE 2XC
DESKTOP COMPOSITE
3D PRINTER
228 X 200 X 300MM



RIZE 7XC
LARGE FORMAT
3D PRINTER
380 X 390 X 450MM



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SAFE | AFFORDABLE | COLOR

xRIZE



Full-color 3D printing with composite materials



- CMYK color 3D printing
- Release ink provides peel away supports
- UL GREENGUARD safety certified

FEATURES

Color	Full, CMYK color
Build Material	RIZIUM™ ONE , RIZIUM™ CARBON, RIZIUM™ GF
Industrial + Office Safe	UL 2904 GREENGUARD Certified
Heated Build Chamber	Yes, for industrial part strength and accuracy
Security	Secure Internet Connection, Optional Cloud connectivity
Fastest Time to Part	Minimal pre-processing and post-processing

SPECIFICATIONS

Device Dimensions	21.4" H x 36" W x 25.4" D (535 x 915 x 647mm)
Build Volume	12" x 8" x 8" (310 x 200 x 200mm)
Weight	137 lbs (62kg)
Layer Thickness	.250mm or .125mm
Resolution	X/Y 300dpi; Z 200dpi at .125mm layer thickness
Accuracy	X/Y +/- .127mm, or +/- .003mm/mm, whichever is greater and Z +/- layer thickness (.250mm or .125mm)





SAFE ANYWHERE MANUFACTURING

RIZE 2XC



The world's first UL GREENGUARD certified desktop 3D printer



- No harmful VOCs or toxic emissions
- Composite materials for strong parts
- Simple Post-Processing

FEATURES

Multi-Material Platform	Rizium™ Carbon, Rizium™ GF, Rizium™ Support, PLA, ABS, Flexible and PVA
Dual Extruders	RIZE 2XC leverages two independent composite-capable extruder nozzles
Fine Resolution 3D Printing	Z-Resolution of 50 microns enables demanding geometries and superior surface finish
Smart Features	RIZE 2XC contains an integrated camera and advanced voice support capability
Safe Materials, Safe Process	Rizium™ materials are developed for health and safety, print anywhere without venting
Minimal Post Processing	Rizium™ Support provides fast post-processing. Supports peel away in minutes

SPECIFICATIONS

Device Dimensions	19.3" W X 18.3" D X 22.6" H (490mm x 466mm x 573mm)
Build Volume	8.9" W X 7.9" D X 11.8" H (228mm x 200mm x 300mm)
Weight	68.34lbs. (31kg); excluding cartridge
Layer Thickness	0.05 ~ 0.4mm (50 ~ 400μ)
Smart Features	Voice Assistant, Monitoring Camera, Color Touch Screen, Onboard Storage
Convenience Features	Auto Bed Levelling, Auto Nozzle Cleaning, Internal LED lights



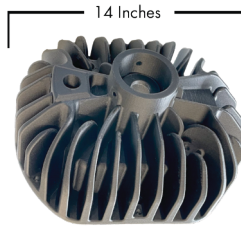


LARGE FORMAT | INDUSTRIAL | COMPOSITES

RIZE 7XC



Perfect for high quantity or large part 3D printing with industrial composite materials



- 370 x 390 x 450mm build volume
- RIZIUM composite materials
- Simple post processing

FEATURES

Massive Print Size	14.6" W X 15.4" D X 17.7" H (370mm x 390mm x 450mm)
Dual Extruders	RIZE 7XC leverages two independent composite-enhanced extruder nozzles.
Fine Resolution 3D Printing	Z-Resolution of 50 microns enables demanding geometries and superior surface finish.
Smart Features	RIZE 7XC contains an integrated camera and advanced voice support capability
Safe Materials, Safe Process	Rizium materials are developed for health and safety, print anywhere without venting.
Minimal Post Processing	Rizium Support provides fast post-processing. Supports peel away in minutes.

SPECIFICATIONS

Device Dimensions	34.0" W X 31.9" D X 66.5" H (864mm x 810mm x 1,690mm)
Build Volume	14.6 W X 15.4" D X 17.7" H (370mm x 390mm x 450mm)
Weight	374.79lbs. (170kg); excluding cartridge
Layer Thickness	0.05 ~ 0.4mm (50 ~ 400μ)
Smart Features	Voice Assistant, Monitoring Camera, Color Touch Screen, Onboard Storage
Convenience Features	Auto Bed Levelling, Auto Nozzle Cleaning, Internal LED lights









RIZIUM™ GF GLASS FIBER FILLED



RIZIUM™ GF composite 3D printer filament offers excellent mechanical, chemical and dielectric properties. Glass fibers also add tensile and compressive strength and increased dimensional stability.

Flexural Strength	87 MPa	12.7 Kpsi (max strain 23°C)	ISO 178, method A
Flexural Modulus	2.9 GPa	416 Kpsi	ISO 178, method A
Tensile Strength	57 MPa	8.2 Kpsi	ASTM D638
Tensile Elongation	1.9%	1.9%	ASTM D638
Tensile Modulus	3.6 GPa	524 Kpsi	ASTM D638
IZOD Impact, unnotched	230 J/m	4.3 ft-lb/in	ASTM D256
IZOD Impact, notched	83 J/m	1.6 ft-lb/in	ASTM D256
	Glass Transition, C Heat Deflection (HDT), C Flame Classification	75° 75° UL94-HB	
	Specific Gravity Moisture Absorption <i>Chemically resistant to acids, alcohols, and ketones.</i>	1.06 g/cm³ < .01%	
	Venting Requirements	None	
	Packaging Shelf Life Storage Requirements	50 in³ (820g) spool, individual carton One year Store in carton until ready for use	

Specifications are subject to change without notice. Data presented are actual measured values and not guaranteed specifications. They do not guarantee performance level under actual usage. Actual user results can vary based on part design, application, user, operating and testing conditions and more. Users are responsible for determining that Rize™ materials are lawful and technically suitable for their applications and for disposal or recycling methods according to applicable environmental laws and regulations. Rize Inc. makes no warranties of any kind, express or implied, including, but not limited to, the warranties of merchantability, fitness for a particular use or warranty against patent infringement.







RIZIUM™ CARBON CARBON FIBER FILLED



RIZIUM™ CARBON is an engineering-grade thermoplastic filament reinforced with carbon fiber for a superior visual finish and higher modulus. RIZIUM CARBON is ideal for applications such as functional prototyping for manufacturing.

Flexural Strength	85 MPa	12.3 Kpsi (max strain 23°C)	ISO 178, method A
Flexural Modulus	4.8 GPa	682 Kpsi	ISO 178, method A
Tensile Strength	56 MPa	8.1 Kpsi	ASTM D638
Tensile Elongation	1.1%	1.1%	ASTM D638
Tensile Modulus	6.7 GPa	966 Kpsi	ASTM D638
IZOD Impact, unnotched	225 J/m	4.2 ft-lb/in	ASTM D256
IZOD Impact, notched	75 J/m	1.4 ft-lb/in	ASTM D256
	Glass Transition, C Heat Deflection (HDT), C Flame Classification	78° 73° UL94-HB	
	Specific Gravity Moisture Absorption Chemically resistant to acids, alcohols, and ketones.	1.02 g/cm ³ < .01%	
	Venting Requirements Residual Metals Content	None < .02 ppm	
	Packaging Shelf Life Storage Requirements	50 in3 (820g) spool, individual carton One year Store in carton until ready for use	

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