



News Release

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## **RIZE Inc. Introduces XRIZE, The World's First Desktop Industrial Additive Manufacturing Solution for Creating Vibrant, Full-Color Functional Parts with Minimal Post-Processing**

*Multiple Materials and IoT Solutions Enable Maximum Flexibility and Quickest ROI*

**WOBURN, Mass., USA November 7, 2018** – In a giant leap to deliver flexibility and scalability to customers, RIZE INC., a Boston, USA-based, next-generation additive manufacturing company, has announced new hardware, materials and IoT functionality: XRIZE™, the world's first true color desktop industrial 3D printer, RIZIUM™ CARBON and RIZIUM™ ENDURA materials and the RIZE™ CONNECT cloud platform.

Until now, users had to produce non-functional color parts or implement very expensive solutions, making tradeoffs between color, strength and price. These tradeoffs have limited the expansion of additive manufacturing to users across the enterprise and inhibited true innovation. Moreover, companies had to purchase separate 3D printers to achieve varying capabilities, including office use, full color, end-use and production parts and the ability to use carbon fiber and other materials.

For the first time in the industry, XRIZE enables users to manufacture functional polymer and composite parts in full color. And since RIZE's intelligent and innovative solutions focus on the user as much as the machine, XRIZE is easy to use, safe and enables markup to provide much-desired IP security, traceability and branding.

Like RIZE's first product, RIZE™ ONE, the experience of using the XRIZE 3D printer is as easy and safe as an office 2D printer. Providing a safe, clean process, minimal pre- and post-processing and minimal material management, users throughout the enterprise, from engineering to marketing to the manufacturing floor, can use XRIZE to easily manufacture full-color prototypes for FEA and stress analysis, tooling with safety instructions, consumer products, package design, GIS mapping, anatomical parts for patient/clinician communication, pre-surgical planning and parts for marketing and the entertainment industry.

XRIZE leverages RIZE's patented Augmented Deposition process by extruding an engineering-grade thermoplastic and simultaneously jetting C, M, Y, K (cyan, magenta, yellow and black) inks through industrial printheads to achieve the full-color part. RELEASE INK is jetted between the part and the automatically-generated supports to enable the user to quickly peel the supports away from the part, leaving a smooth surface finish and eliminating the need for additional finishing. With RIZE ONETOUCH software, users can quickly and easily apply text, images and texture maps to monochrome part files and import color CAD files.

**Key Features:**

- Full, CMYK color 3D printing with best-in-class Z-strength
- Runs multiple materials: RIZIUM ONE, RIZIUM BLACK and the new RIZIUM CARBON and RIZIUM ENDURA materials
- Minimal pre- and post-processing provide the fastest time to part
- Easy to operate with an auto-leveling build plate, automatic filament changeover and intuitive high-resolution touch screen for access to part library, build management and system diagnostics
- Heated build chamber for industrial part strength and accuracy
- Safe process and materials for office compatibility
- Secure; Internet/Cloud connectivity optional

**Key Specifications:**

- Four-channel color and dedicated Release Ink channel
- 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: 135 lbs (61kg)
- 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)

With an MSRP of \$55K USD (and €55K Euro), XRIZE will be available in 2019.

**RIZIUM™ CARBON Material**

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.

**RIZIUM™ ENDURA Material**

RIZIUM ENDURA is a fiber-reinforced filament providing high-accuracy and high-impact strength. It is ideal for large functional parts and is compatible with RIZE's full-color inks.

**RIZE CONNECT**

RIZE CONNECT enables users to remotely manage and monitor their RIZE ONE and XRIZE 3D printers from any location to improve production efficiency. Users can receive notifications, queue jobs and manage an enterprise print farm from desktop and mobile devices. Using RIZE CONNECT, users can also build greater security into their parts with digital part identification and other forms of part augmentation, such as QR codes and version control for part traceability, compliance and authenticity. RIZE CONNECT will be available in 2019.

"Our mission from the beginning has been inclusive and sustainable innovation," said Andy Kalambi, President and CEO of RIZE. "With this approach, we can take additive manufacturing anywhere and to everyone. The way to do that is to make industrial 3D printing easy, safe and fully digital. Our innovative platform approach is the core to driving sustainable innovation. With the launch of XRIZE, RIZIUM CARBON, RIZIUM ENDURA and RIZE CONNECT, we are now realizing the potential of this platform, providing our customers with maximum flexibility, complete ease of use and quickest ROI."

RIZE will demonstrate its comprehensive suite of new and existing products **November 13-16 at Formnext in booth 3.1/C28**. In addition, RIZE VP of Product, Kishore Boyalakuntla, will discuss this announcement in detail during a presentation, *RIZE: Announcing a Technology Platform for Connected Innovation and Scale*, on November 13, 2:45PM on the TCT Stage at Formnext.

#### **About RIZE**

RIZE is a Boston, USA-based company defining desktop additive manufacturing. RIZE's first product, RIZE™ ONE, won numerous industry and customer accolades. IDC named the Company a '2018 Innovator in 3D Printing Solutions' and RIZE earned the 2018 Frost & Sullivan award for 'Best Practices in Technology Innovation in the Zero-Emission Polymer Material Additive Manufacturing industry.' Prestigious organizations like NASA, US Army, US Navy and Merck have chosen the product for supporting their additive manufacturing needs.

RIZE additive solutions combine simplicity, speed, safety, strength and security, all at the lowest cost of ownership in the industry. For more information, visit [www.rize3d.com](http://www.rize3d.com).

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