



High Performance Machinery, LLC

We have the INEXPENSIVE, TIME SAVING SOLUTION for your AM 3D Printer needs... *The **riZE** ONE 3D PRINTER*

So you require more iterations, faster than ever to stay competitive and you don't want to waste time and money tying up your people post processing??? ... The Solution is a *RIZE ONE* printer

The **riZE** One near zero-post-processing 3D printer enables you to produce Water Tight, Isotropic Thermoplastic parts up to 100% faster with near ZERO labor cost

- No need to wash or melt away supports, just easily SNAP off!
- Realized savings of \$100,000 plus per year utilizing less staffing expense \$25K - \$50K consumable cost saved per year, per 3D printer
- Produces WATERTIGHT, ISOTROPIC parts that are stronger than polycarbonate and 2X stronger than *ABSplus and have HIGH HDT*
- No longer having concerns of Health and Mess, perfect for lab or office use
- **riZE** One can *COLOR*, serialize parts, part #'s, an Image or a Company Logo

The most versatile industrial 3D printer for your lab or office providing the industry's fastest turnaround on manufacturing parts



313 South Main Street, Orange, MA 01364 ~ Tele # (508) 958-5565 ~ Fax # (401) 694-1290 ~ otz1@aol.com 1




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See manufacturer's actual speed & cost comparison of  APD vs. FDM

	FORTUS	RIZE
SYSTEM	\$100,000+	\$24,000
MAINTENANCE CONTRACT	\$10,000	\$500-\$3,500
CONSUMABLES	\$250/Kg x 80 Kg/yr. = \$20,000	\$99/Kg x 80 Kg/yr. = \$7,920
POST-PROCESSING SOLVENT	\$600/yr.	\$0
POST-PROCESSING LABOR	\$25,000-\$50,000/printer	\$0
POST-PROCESSING FACILITIES	Add'l 150 sq. ft. x \$30/sq. ft./yr. = \$4,500/yr.	\$0
POST-PROCESSING DISPOSAL AND UTILITIES	\$5,000/yr.	\$0
COST OF DELAYS	Part delay of 48 days per engineer/yr. x 100 engineers = 4,800 days in total of part delays/yr. What does that delay cost you? Millions?	\$0
TOTAL INITIAL	\$100,000+	\$24,000
TOTAL ANNUAL	\$90,100	\$8,420-\$11,420

The  One zero-post-processing 3D printer enables you to produce parts up to 100% faster than other systems and cut costs by more than 50%. Considering the number of parts you produce per month, the number of iterations per part and the duration of each iteration, this unique capability has an exponentially positive impact on total R&D process time, costs and designs.

Gone are the messy and toxic post-processing materials, the special hookups and space required for post-processing devices and disposal and, most importantly, the hours of expensive labor required to deal with all of it. Finally, you can produce industrial-class parts in the lab or on demand, right in your office, quickly, safely and affordably, with Speed to market, Cut Costs, Streamline Operations, Reduce defects during manufacturing, increase accuracy and thru-put of production. Produce customize tooling, jigs fixtures and Improve Design!

Please contact HPM, the New England Representative for EOS

Ken Otzel (508)958-5565 otz1@aol.com

~ Or ~

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*** FINANCING is AVAILABLE***

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- The ONLY Near ZERO Post processing 3D Printer that's NOT SLS. Eliminates time consuming support removal and produces a useable part up to 100% faster than other systems.
- A RIZE SYSTEM will pay for itself in Months in saved post processing time, labor, and materials. Tools and equipment needed to post process are NO LONGER required with RIZE ONE system.
- Unique software enables you to automatically 3D Print imperfect files. Getting you from file to part quickly and easily
- Produces WATERTIGHT, ISOTROPIC parts that are stronger than polycarbonate and 2X stronger than ABSplus and have HIGH HDT
- BUILD MULTIPLE parts simultaneously
- Build Chamber: 12 x 8 x 6" (300x200x150mm)
- Layer Thickness is 0.25mm (250um)
- SIZE: 21.4" TALL X 36" WIDE X 25.4" DEEP (543MM X 915MM X 644MM, Weight 135 lbs., NO SPECIAL Building Requirements; place on your DESK!
- USB and Ethernet connectivity
- Power: 110/240 standard power configurations
- Regulatory compliance: FCC, ROHS, NRTL
- Windows 7, 8 and 10 Compatible


MATERIALS First and Foremost, unlike other 3D printers, ALL of the materials we use in our AUGMENTED POLYMER DEPOSITION (APD) 3D printing process are completely safe in use in your office without any special venting, disposal equipment, and are environmentally friendly.

RIZIUM ONE is our own compound of engineering, and medical grade thermoplastic, delivering water tight isotropic parts stronger than Polycarbonate (PC) and twice as strong as ABSplus.

RELEASE ONE Jetted between the part and its support structure, Release One is a repelling ink that releases the bond between the part and the support structure, making support removal fast and safe.

MARKING INK Enables 3D Printed text, serialization, part #'s and images on parts

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