



## RIZE 3D PRINTING FOR MANUFACTURING



Manufacturers of all sizes and sectors need to speed production, develop innovative prototypes and manufacture small-batch spare parts for maintenance, repair and operations (MRO) to reduce inventory and keep the line running – all while cutting costs and adhering to strict plant safety standards.

Companies like Fuji, Azoth, Emerson, New Hudson Facades and Merck are up and running with RIZE™ 3D printers in <20 minutes and use them across the value chain to safely, easily and quickly produce on-demand custom tooling, fixtures and jigs with best-in-class Z-strength to speed production 2X, cut costs by \$1000+ per part and improve product quality. They're also reducing inventory by transforming supply chains from order-on-demand to make-on-demand, cost-effectively manufacturing replacement parts in 1 day vs. 8 weeks at a fraction of the cost when a supplier is out of business, or small-batch and complex parts can't be made quickly using traditional methods.

With RIZE's digitally augmented parts capability, users can embed secure QR codes into parts that tie back to detailed digital information about the part for traceability, authenticity and compliance. Without VOCs and using only safe, recyclable materials, RIZE 3D printers are ideal for use on the production floor, in the tool room, in a retail setting and in every engineer's office.



### FASTEST TIME-TO-PART

Minimal and clean pre- and post-processing;  
2X faster than other 3D printing technologies



### EASY TO LEARN AND USE

Get up and running in less than 20 minutes



### BEST-IN-CLASS PART STRENGTH

Best-in-class Z-strength that mimics injection  
molded part strength and a range of material  
properties suit a variety of industrial applications



### VOXEL-LEVEL, FULL-COLOR

Functional full-color and Digitally Augmented  
Parts for traceability, compliance and authenticity



### SAFE AND SUSTAINABLE

Safe, clean operation and materials suit office,  
production and tool room use



### LOWEST TOTAL COST OF OWNERSHIP

Affordable to purchase and for 24/7 use

## HMS INDUSTRIES, INC.

RIZE 3D Printing Digitally Transforms the Customer and User Experience at HMS Industries, Inc.



### CHALLENGES

HMS Industries, Inc. needed a faster, more affordable way, versus aluminum, to build functional jigs and fixtures to hold parts in machines during CMM quality inspections.



### SUMMARY

Using their staff in their tool shop, HMS prints work holding with part numbers and instructions, as well as complex parts to assist in the quoting process before machining.



### RESULTS

- Saves \$1,000 and 2 days per part
- Eliminates the need for an employee to be taken off another job
- Uses ink marking to identify where part should be placed and for part numbers
- HMS team was trained and up in running in less than 20 minutes



**Our mission is to exceed our customers' expectations and the RIZE™ ONE 3D printer has certainly exceeded ours."**

*– Barry Aikins, Vice President, HMS Industries, Inc.*

