

# Next Generation Epoxy Dispenser

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MRSI-175Ag & MRSI-175Ag+

December 10, 2024

**MRSI**  
MYCRONIC

# Mycronic Group at a glance



**More than 50 years**  
of experience in innovation

Mycronic is represented  
**in more than 50 countries**

The power of innovation  
**is proven by more than 500 patents**

**More than 2,000 employees**  
in 12 countries

More than 28,000 production systems  
**at more than 5,500 customers**

## 2024 Q1-Q3 Performance

- **Net sales** of US\$456M
- **Order backlog** of US\$400M
- **Strong platform** for future growth

**Bringing tomorrow's electronics to life**

MYCRONIC

# MRSI has a global sales & service presence



- Sales Reps & Distributors
- Direct Sales
- Direct Service
- Demo Center

★ **HQ at Tewksbury, MA, USA (Mfg, Engr, Sales, Service, Prototyping)**

## Asia

- China: Legal entity, Direct Sales, Direct Service & Distributors, Prototyping
- Singapore: Sales Rep
- Malaysia: Direct Sales and Service, Sales Rep
- Philippines: Direct Service & Sales Rep
- Thailand: Service and Sales Rep, Demo Center (2024)
- Korea: Sales Rep
- Taiwan: Sales Rep
- India and Vietnam: Sales Rep

## EMEA

- Switzerland: Direct Sales
- Portugal: Direct Service & Sales Rep
- Italy: Sales Rep & Demo Center
- Finland: Sales Rep
- Israel: Sales Rep

## Services provided by MRSI

- On-site installation of all machines
- On-site and off-site training
- Repair and upgrading
- Process development
- Prototyping & small batch production



- Cutting edge proprietary vision and motion control technologies
- Industry-leading engineering expertise



- Facility: 100,000 ft<sup>2</sup>
- Capacity: 100 – 250 systems/year per shift
- Modular assembly for fast delivery

# MRSI's complete line of solutions serves many markets

Flexible, ultra-precision, high-speed die bonding and dispensing solutions

**Datacenter**



MRSI-S-HVM  
0.5  $\mu\text{m}$



MRSI-HVM  
1.5  $\mu\text{m}$



**Microwave  
& RF**

**LiDAR  
VRAR  
Automotive**



MRSI-H  
1.5  $\mu\text{m}$



MRSI-M3  
3  $\mu\text{m}$

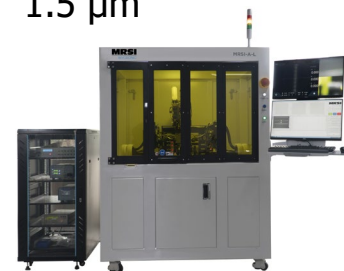


MRSI-705  
5  $\mu\text{m}$



**Medical**

**5G Wireless**



MRSI-A-L  
Active Aligner



MRSI-175Ag  
Precision dispenser



**Aerospace  
& Defense**



# MRSI-175Ag High Precision Epoxy Dispenser

State of the Art Flexibility, Speed & Accuracy

## Key Features:

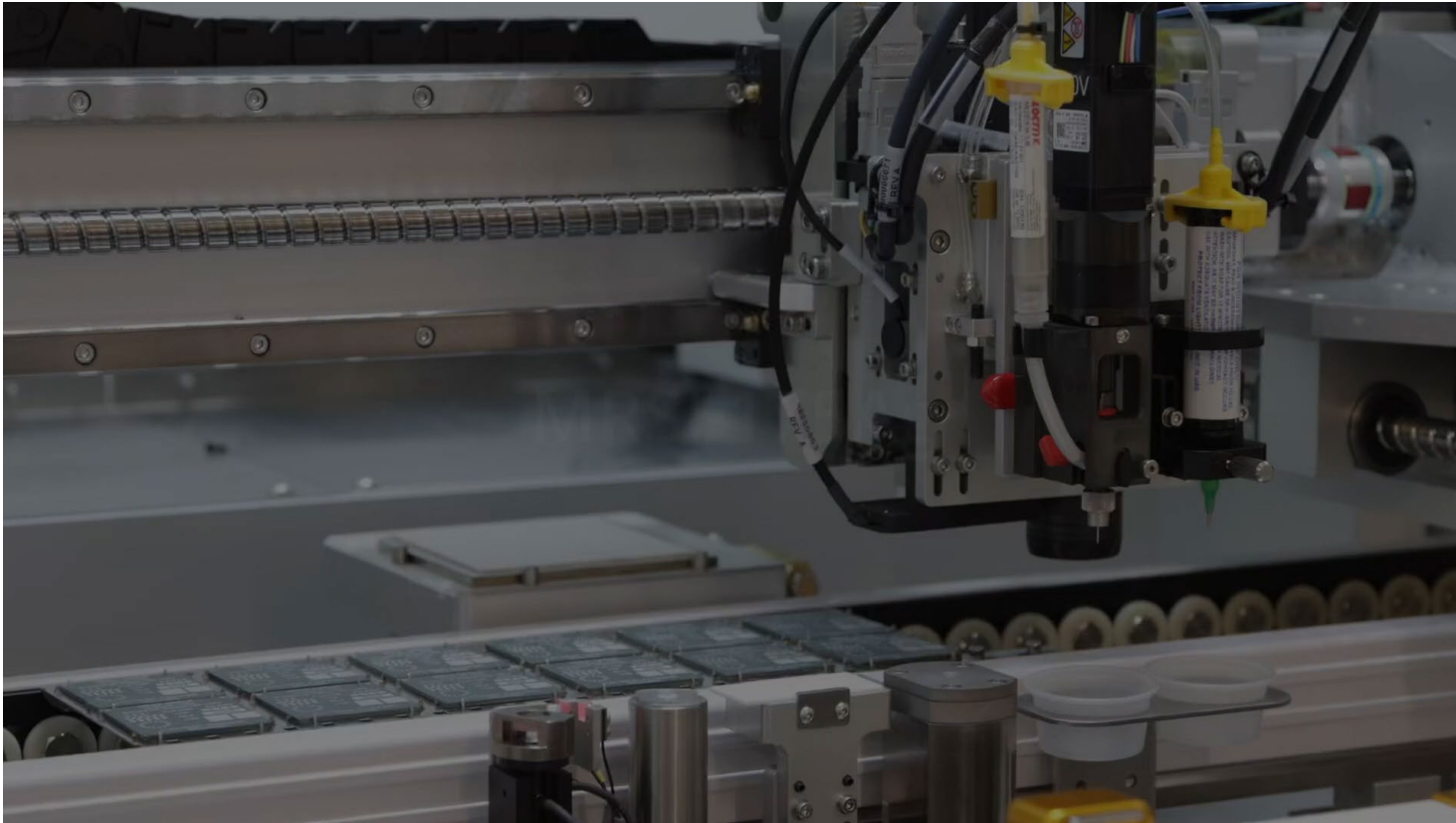
- ❖ Accuracy 25 $\mu$ m @ 3 $\sigma$  [Optional Plus (+) Model 10 $\mu$ m]
- ❖ Two configurable dispensing heads operating in tandem
- ❖ Options include volumetric, time & pressure, jet dispensing and epoxy stamping
- ❖ Advanced vision and programmable lighting
- ❖ Height sensing with laser triangulation or confocal
- ❖ Standalone dispenser or optional inline conveyor to operate upstream or downstream from other machines





# Welcome to the next generation

What improvements have we made?



Ergonomics



Speed



Accuracy

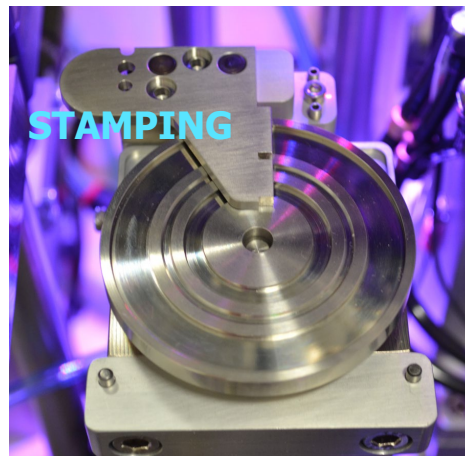
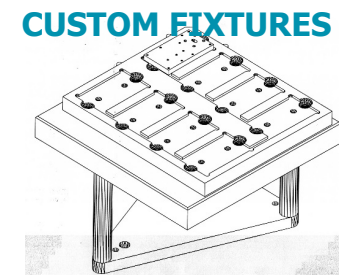
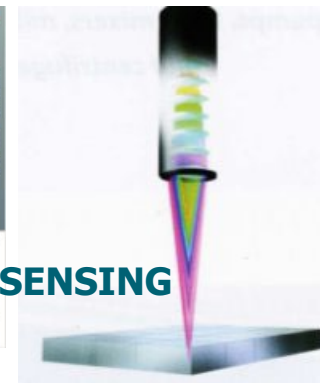
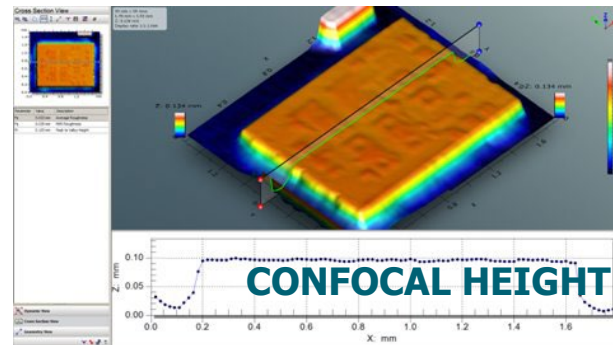
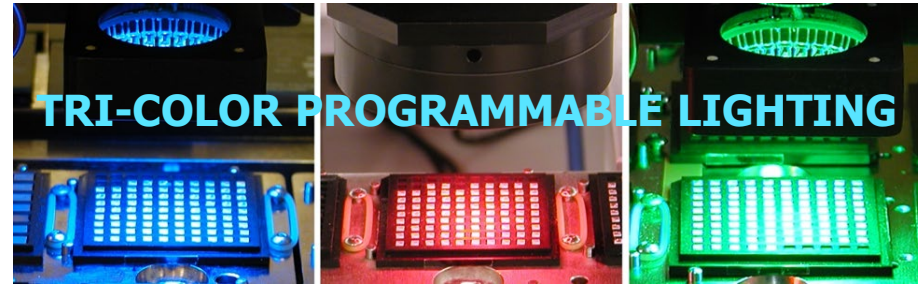


Energy Saving



# Solutions-Focused

Unmatched Flexibility





**Bringing tomorrow's electronics to life**

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