

# ROBOTIC MACHINE TENDING

## INDUSTRY SOLUTION OVERVIEW



- 50+ years of CNC experience
- High-performance, repeatable, and durable robots
- Options for customization

### OVERVIEW

Mitsubishi Electric is a world-leading CNC and automation supplier with unique experience in all facets of CNC machining, including service. Our cost-effective robotic products are among the fastest and most durable available, resulting in flexible systems capable of high production rates and minimal downtime.

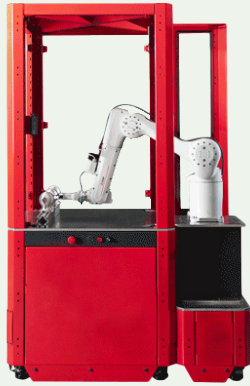
Mitsubishi Electric focuses on quality, performance, and compatibility to provide CNC tending automation built for industrial environments that provides many hours of trouble-free production, high-speed and precise operations, and future-proof software that will run on today's and tomorrow's equipment.

### COMPETENCIES

- Mitsubishi Electric provides multiple layers of product and application support
- A wide range of reach and payload options allows proper sizing of the robot to the application
- Durable arms are among the most reliable in the industry and last far beyond the ROI point
- Unattended running with performance monitoring and reporting software increases output



## ROBOT BASE AND STAND SOLUTIONS FOR MACHINE TENDING



LoadMate Plus



ARIA

### Large Applications

#### LoadMate Plus™

LoadMate Plus can be customized for efficient use of your floor space and can be moved around between machines as jobs require. and easy system integration.

### Compact Solutions

#### ARIA

ARIA is specifically designed for Mill and Lathe tending, but can be used with a wide variety of CNC types. It comes standard with a compact PLC and high-performance teach pendant.

## PROTECT YOUR ROBOT INVESTMENT – ROBOT DIAMOND ASSURANCE™

The Robot Diamond Assurance™ Preventive Maintenance Plan goes beyond the standard warranty. It lowers your total cost of ownership and extends the life of your robot investment with conveniently scheduled annual visits for five years or 24,000 operating hours.

- Annual on-site checkup
- Warranty part and labor
- Ongoing support

## CUSTOMIZABLE SOLUTIONS FOR VARIOUS APPLICATIONS



RV-CRL Series



RV-FR Series

### Maximum Performance in Minimum Space

#### RV-CRL Series Robots

- Slim and compact: A smooth, curved design complements the slim arm and compact joints.
- High scalability: Supporting a wide variety of functions and options such as the tracking function, additional axis control, 2D vision sensor, force sensor, 3D vision sensor, MELFA Smart Plus, and network base card, MELFA RV-CR Series are useful in various situations.
- Payloads: Up to 12kg
- Reach: Up to 1,504mm

### Complex Assembly and Environmental Protection

#### RV-FR Series Robots

- Six joints for a broader range of movement support complex assembly and process operations.
- Designed to withstand environmental conditions, making it ideal for a wide range of application.
- Compatible with MELFA Smart Plus.
- Payloads: Up to 80kg
- Reach: Up to 2,100mm

[Visit our website to find out more about our machine tending automation solutions.](#)

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