

Mitutoyo Automation Cell

For CNC Metrology Equipment



Automation Solution



1 Automation

2 Expandable

3 One Stop Shop

Your Solution

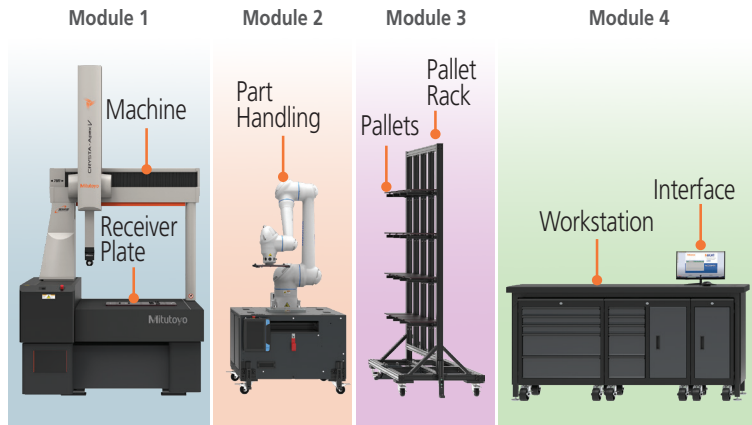
The Mitutoyo Automation Cell is a modular metrology system that increases productivity through automation, data integration, and organization.

Mitutoyo Automation Cell modules can be added, removed, customized, or integrated into existing manufacturing systems.

Standard Modules and Components

The Mitutoyo Automation Cell comes standard with four core modules. The modular design allows the cell to be configured around different part, fixture, and workflow requirements.

Mitutoyo Automation Cell



1 Automation

Save time and improve inspection consistency

Improve efficiency and help reduce cycle time by executing part handling, measurement routines, and report generation through a simplified automated workflow. The Automation Cell reduces operator interaction, and supports more consistent, repeatable inspection.

2 Expandable

Support future growth

Adapt the Automation Cell to different part requirements, pallet configurations, and inspection workflows. The modular design allows you to start with a standard automation solution and add options as production and quality needs grow.

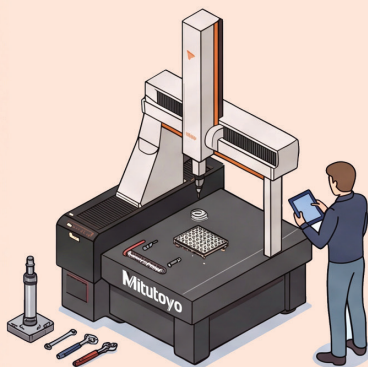
3 One Stop Shop

Reduce coordination burden

Mitutoyo provides your metrology and integration needs. Achieve all project requirements through one source.

Mitutoyo Automation Cell: Workflow

DAY 1 READY



Day 1 Ready Setup

Initial install, calibration, and programming are performed by Mitutoyo upon request.

THE AUTOMATED MEASUREMENT CYCLE

1. Part Loading

Operators load pallets onto racks and define part traceability, manually or via RFID automation. By scanning the RFID tag, the system can select the program automatically.

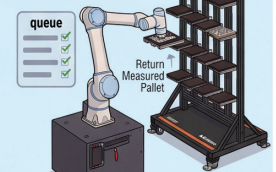


2. Run Program

Select the inspection queue through the software interface. The Automation Cell will coordinate part handling and program execution.

3. Automated Reporting

MCOSMOS programs execute automatically, generating reports in formats such as PDF, CSV, AQDEF and more.



4. Repeat and Completion

The robot returns measured parts onto the rack, then repeats the process until the queue is complete.

We reserve the right to make changes to the corresponding designs. The stated standards, similar technical regulations, descriptions and illustrations of the products were valid at the time of printing. In addition, the latest applicable version of our General Trading Conditions will apply. Only quotations submitted by ourselves may be regarded as definitive. Specifications are subject to change without notice.

Mitutoyo

Mitutoyo America Corporation
1-888-mitutoyo | www.mitutoyo.com