OKUMA ROBOT LOADER SERIES

EFFORTLESS INTEGRATION. MAXIMUM EFFICIENCY. PROVEN PERFORMANCE.

The Okuma Robot Loader (ORL) Series consists of pre-engineered systems that automate loading and unloading of parts from Okuma machines to boost productivity, reduce labor costs, and support efficiency. Perfect for all industries, from automotive to aerospace and beyond, ORLs provide a simple and effective entry-level automation option.

SIMPLE SETUP
Set up in less than ten conversational steps, speeding deployment and minimizing training.

USER-FRIENDLY
Pre-programmed, so no previous robotic experience is required.

FLEXIBLE
Easily reprogrammable to adapt to changing tasks and production needs.

COMPACT & EFFICIENT
Compact design optimizes floor space and supports retrofitting of older Okuma machines.

LIGHTS OUT MANUFACTURING
Designed for fully automated, unmanned operation.

SUPPORT & TRAINING
Backed by Okuma CARE 24/7 and free distributor training with initial installation.

CONTROL COMPATIBILITY
Works with Okuma's OSP-P300 and OSP-P500 controls.

SAFETY
Area scanner creates a virtual boundary that, when triggered, will slow or stop the robot.

AFFORDABLE
Starting under $99,900.

Pre-engineered automation provides:

- IMPROVED QUALITY
- INCREASED THROUGHPUT
- INCREASED EFFICIENCY
- IMPROVED WORKER SAFETY
- COST REDUCTION

Automation users often realize a six-month return on investment (ROI).[1]

LIGHTS ON AND LIGHTS OUT MANUFACTURING

Okuma ORLs allow for continued, unmanned production throughout the day and night.

Simon Schneider
Director of Okuma Factory Automation

1. R. Path Automation. "How to Calculate and Secure the Best Possible ROI with Your RPA." 10 August 2022. https://blog.rpathautomation.com/rpa-return-on-investment

ORL-R (ROTARY)

For high-speed, high-volume production of identical components, featuring a rotating platform and disc-style storage unit.

- **Parts:** Up to 166 workpieces on a lathe, mill, or grinder. Small, medium and large templates are included.
- **Part Size:** Length range 0.75 in. to 11 in.
- **Part Handling Weight Capacity:** Up to 33 lbs. (dual-part handling).
- **Required Floor Space:** 132 in. x 90 in.
- **Machine Pairings:** GENOS L and LB Series.

ORL-D (DRAWER)

For dual process operations, including simultaneous loading and unloading of finished parts, featuring a drawer to hold and organize parts.

- **Parts:** 92 workpieces on a lathe, mill, or grinder with optional templates for 180 smaller parts or 42 larger parts.
- **Part Size:** Length range 0.75 in. to 6.25 in.
- **Part Handling Weight Capacity:** Up to 33 lbs. (dual-part handling).
- **Required Floor Space:** 144 in. x 72 in.
- **Machine Pairings:** MULTUS B, LU EX, LT EX, and LB EX Series.

ORL-MC (MACHINING CENTER)

For mixed-part, low-volume automation and features a three-sided rotating station.

- **Parts:** Up to 288 parts.
- **Part Size:** Max dimensions 8.5 in. x 8 in. x 9 in.
- **Part Handling Weight Capacity:** Up to 25 lbs. including jaws.
- **Required Floor Space:** 96 in. x 108 in.
- **Machine Pairings:** GENOS M460-VE, GENOS M460V-5AX, GENOS M560-V, GENOS M560V-5AX, MB-46V II, MB-56V Series.

ROTARY CELL: Rotating platform to allow raw material to be provided and finished parts to be removed while the robot is loading and unloading the machine.

DRAWER CELL: Drawers allow the robot to load and unload the machine while an operator can load and unload parts.

MACHINING CENTER: Parallel loading and unloading of workpieces for multiple operations can be performed with automatic changeover.

OKUMA

Automation can quickly make a valuable impact on shop floors.
Contact your local distributor for an automation solution to fit your needs.