



SMARTLOAD

DATA SHEET

Revolutionizing Machine Tending

Transform Your Production with the IC Automation SmartLoad Series

SmartLoad is a robust and versatile robotic automation system, meticulously designed to modernize and streamline machine tending. Designed for seamless integration, its compact, standalone design allows it to be effortlessly deployed in front of existing CNC machines—delivering instant automation with minimal disruption. By implementing *SmartLoad*, manufacturers can combat skilled labor shortages, maximize machine uptime, and empower operators to focus on higher-value tasks. Take productivity to the next level with a cost-effective, flexible automation solution built for the modern shop floor.



KEY FEATURES

Designed for Maximum Flexibility and Ease of Use

- ◆ Quick deployment and setup across multiple machines
- ◆ User-friendly drag-and-drop programming interface
- ◆ Equipped with FANUC collaborative robotic arms
- ◆ Mobile platform enabling single-operator maneuverability
- ◆ Safety features allowing seamless human-robot collaboration

BENEFITS

Enhance Productivity and Safety

- ◆ Reduce downtime with rapid redeployment capabilities
- ◆ Increase throughput by automating repetitive tasks
- ◆ Improve workplace safety by minimizing manual handling
- ◆ Adapt to varying production demands with ease

Whether you're looking to increase productivity, reduce labor challenges, or maximize uptime, ***SmartLoad is your solution.***

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GET CONNECTED

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SMARTLOAD VARIATIONS

For Milling, Turning, Grinding, and Honing Machine Types

SMARTLOAD 1000

Robot Options:

- ◆ CRX-10iA/L

Payload/Reach:

- ◆ 10 kg · 1,418 mm · collaborative

Form Factor:

- ◆ Tabletop format

Drawer Capacity:

- ◆ N/A

SECONDARY OPS

Inspection:

- ◆ Vision/Probing/Gauging

Deburring:

- ◆ Integrated Deburr/Polishing Op

Cleaning:

- ◆ Part Cleaning/Blow-Off

Ideal Use Cases:

- ◆ Longer Cycle Time Parts



SMARTLOAD 1500

Robot Options:

- ◆ CRX-10iA/L or M-10iD/12

Payload/Reach:

- ◆ 10 kg collab or 12 kg · 1,441 mm

Form Factor:

- ◆ Modular Configurable Drawer System

Drawer Capacity:

- ◆ 100KG Capacity/Drawer

SECONDARY OPS

Inspection:

- ◆ Vision/Probing/Gauging

Deburring:

- ◆ Integrated Deburr/Polishing Op

Cleaning:

- ◆ Part Cleaning/Blow-Off

Ideal Use Cases:

- ◆ Large Product Queue Lights Out MFG



SMARTLOAD 2500

Robot Options:

- ◆ CRX-30iA, M-20iD/25, M-20iD/35

Payload/Reach:

- ◆ 25-35 kg · 1,756-1,831 mm reach

Form Factor:

- ◆ Modular Configurable Drawer System

Drawer Capacity:

- ◆ 100KG Capacity/Drawer

SECONDARY OPS

Inspection:

- ◆ Vision/Probing/Gauging

Deburring:

- ◆ Integrated Deburr/Polishing Op

Cleaning:

- ◆ Part Cleaning/Blow-Off

Ideal Use Cases:

- ◆ Large Product Queue Lights Out MFG



SMARTLOAD 3500

Robot Options:

- ◆ M-710iC/50

Payload/Reach:

- ◆ 50 kg · 2,050 mm reach

Form Factor:

- ◆ Large Capacity Drawer System

Drawer Capacity:

- ◆ Increased Envelope Capacity

SECONDARY OPS

Inspection:

- ◆ Vision/Probing/Gauging

Deburring:

- ◆ Integrated Deburr/Polishing Op

Cleaning:

- ◆ Part Cleaning/Blow-Off

Ideal Use Cases:

- ◆ Large Parts, Long Unattended Time

