



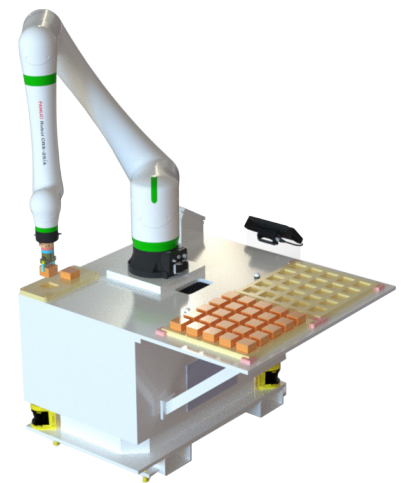
ACEtend Automation

OVERVIEW

The standard ACEtend Automation platform is one of the most versatile and cost-effective solutions for robotic machine tending. Designed to seamlessly load & unload parts from virtually any machine, ACEtend delivers collaborative automation in a compact, easy-to-deploy package.

System Advantages

- **Uninterrupted Operation:** Continuous machine tending with no need for fixture or tooling changeovers.
- **Collaborative Robotics**
 - + Built around collaborative robot (cobot) for safe, unguarded operation alongside personnel
 - + Conserves valuable floor space in your facility
- **Modular & Scalable**
 - + Handles single or multiple parts with interchangeable infeed modules
 - + Supports a variety of part sizes and shapes with quick-change tooling
- **Intuitive Control:** Simple programming and operation using the robot's tablet interface
- **Mobile & Flexible:** Easily moved via pallet jack or forklift for rapid deployment across workcells
- **Epdandable Architecture:**
 - + Integrated enclosure allows for optional PLC, HMI, and additional I/O for more advanced automation needs
- **Safety Compliant:** Meets ANSI/PMMA B155 standards for typical collaborative applications
- **AI-Ready:** Engineered for seamless AI integration, enabling fast adaption to low-volume, high-mix environments



734.424.5500
info@ace-automation.net
www.ace-automation.net

Automation Controls & Engineering, LLC
1045 Durrant Dr.
Howell, MI 48843



ACEtend Automation

TECHNICAL SPECIFICATIONS

Palletizing System

- Payload Capacity: Up to 20 kg (45 lbs)
- Power Requirements: 120 VAC, single-phase, 15A
- Operating Modes:
 - + Collaborative mode
 - + Non-collaborative mode (up to 2000 mm/sec)
- Built-in air compressor
- Tooling Options: Pneumatic or electric EOAT for diverse material handling tasks

Robot

- System includes (1) FANUC CRX 10iA Collaborative Robot
 - + Designed to hold up to FANUC CRX 30iA Collaborative Robot
- Integrated mounting points for modular part presentation tables & fixtures
- Single, standard pneumatic gripper End-of-Arm-Tool included

Cell Options

- Quick-change EOAT capability for tool flexibility
- Modular add-ons available for:
 - + Part infeed/outfeed
 - + EOAT storage stands
 - + Re-grip nests
- Safety enhancements for non-collaborative mode, including:
 - + Area Scanner
 - + Optional guarding for the load zone

