



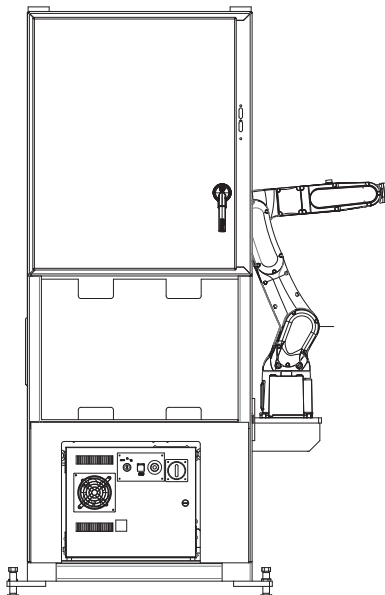
ACEflex Automation

OVERVIEW

The Standard ACEflex Automation platform is one of the most flexible, cost effective material handling systems for loading & unloading parts to machines.

System Advantages

- ❑ ACEflex includes 1 Robot (more robots upon request)
- ❑ Robot can load/unload parts to 1 machine or multiple machines
- ❑ Robot EOAT change options available
- ❑ Part feed buffer is via (2) side-by-side slide drawers on base system, which can hold changeout fixture plates, trays or wire-baskets
- ❑ Stacked Drawers (SD) system significantly increases part feed buffer
- ❑ Conveyor, workstocker and ACEflexfeeder part feed options also available
- ❑ SPC drawer for audit and quality checks
- ❑ NOK/Reject drawer containing NOK/reject parts inside cell
- ❑ Traceability options available, including 2D bar code scanners
- ❑ Inspection, gauging and vision system options available
- ❑ Laser marking options available
- ❑ Safety guarding in load area can be traditional hard guard, light curtain and/or area scanner
- ❑ Machine mounted on moveable rail option available
- ❑ Controls system includes PLC, HMI and Ethernet IP communication (other communications available as required)



ACEflex (Standard Platform)



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ACEflex Automation

TECHNICAL SPECIFICATIONS

Part Feed System

- Slide Drawers
 - + Standard (2) Drawers Side-by-Side
 - + Changeout Fixture Plates, Trays or Wire Baskets
 - + Stacked Drawers (SD) (Qty 2-4) Configuration Increases Buffer
- Conveyor, Workstocker & ACEflexfeeder Options Available

Robot

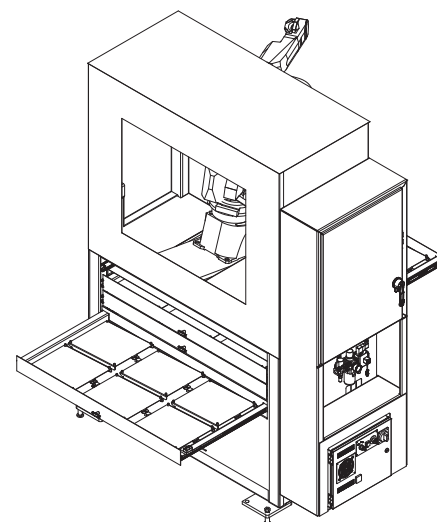
- ACEflex includes (1) Robot
 - + More Robots Available Upon Request
- Robot load/unload to (1) Machine or Multiple Machines
- Robot End-of-Arm-Tools
 - + Automatic Changeover Tools Available

Controls System

- Allen Bradley or Siemens PLC & HMI
- Ethernet IP Communication
- Data Collection and/or Traceability Options Available

Cell Options

- SPC or Audit Parts Slide Drawer
- NOK/Reject Parts Slide Drawer
- Part Cleaning
 - + Air Blow Off
 - + Part Spin-off
 - + Rust Preventative Options Available
- Part or Tray Traceability
- Laser Mark
 - + 2D Data Matrix and/or Human Readable Code
 - + Mark Verification Reader
 - + Traceability
- Safety Guarding in Load Area
 - + Hard Guard w/Access Door
 - + Light Curtain
 - + Area Scanner
- Moveable Cell Rails Options Available
 - + Maintenance Access to Machine Tool
 - + Manual Load/Unload
- Additional Part Inspections
 - + Vision Inspection or Verification
 - + Gauging



ACEflex SD (Stacked Drawers)

