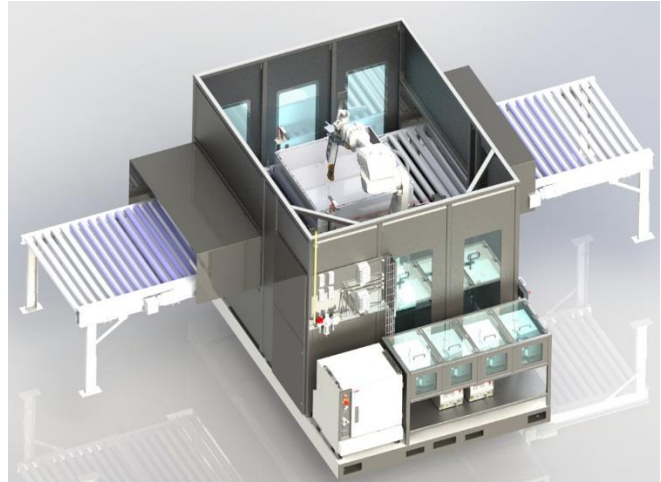


MESH Automation Cell: MAC

Technical Data Sheet



GENERAL DESCRIPTION

The MAC is a pre-engineered, modular automation platform for robotic or gantry motion control as the primary automation tool and can handle a wide variety of processes. The MAC can be equipped with manual, semi-automatic and automatic part handling.

BENEFITS

- Low Maintenance
- Short Lead Time
- High Labor Utilization
- 24/7 Service
- Safety Guarding Incl.
- Expandable/ Upgradable
- Improved Product Quality
- Modular, Flexible Design for the utmost asset utilization
- Pre-Engineered for the Best Value
- Readily Available Spare Parts
- Rugged, Built for 24/7 Operation
- Ergonomically Designed

KEY FEATURES

- Skid Mounted Design for Easy Installation and Repositioning
- Removable Floor Plates with Cable Management Underneath
- Sheet Metal Guarding (stronger, quieter and cleaner than welded wire guarding)
- Built in LED Lights
- Separated High Voltage Panel and Control Panel (<50V)
- Process Equipment Shelf
- Pneumatic Preparation Station
- Fully Compliant with ISO 12100 and ANSI/RIA R15.06-2012 safety standards

DESIGN

The MAC is designed as a modular building block for multi-robot (or gantry), fully automated production lines. MESH has partnered with a variety of well-known industry leaders to provide the MAC with top of the line components;

- **Robots:** ABB, Motoman-Yaskawa, Fanuc
- **Controls:** Rockwell, Siemens, Omron PLC/HMI control system standard
- **Vision Systems:** Cognex, Omron and Keyence
- **Other:** Customer Specific Requirements

MESH Automation Cell: MAC

Technical Data Sheet



PROCESSES

- Stud Welding
- Arc Welding
- Resistance Welding
- Cutting
- Grinding
- Deburring
- Dispensing
- Assembly
- Machine Tending
- Inspection
- Press Loading
- Others

