



General Capabilities

Mechanical & Controls Engineering, Turnkey Assembly & Test Systems, Machine Integration, Fabrication, Precision Machining

Automation System Types

- Assembly
- Conveyor Systems
- Electronic/Hydraulic Assemblies
- Cleaning and Sterilization
- Servo Motion Control
- Marking- Labeling, Pin Stamping, Laser Marking, 1D & 2D Bar Codes
- Measurement- Pressure, Flow, Force, Distance, Torque/Angle
- Filling and Dispensing
- Lithium Handling and Sealing
- Rack & Pin Steering
- PLC Systems
- Drive and Torque Systems
- Process Heating
- Test- Electrical, Functional, Leak
- Vision Systems- Inspection, Guided Motion
- Welding- Arc. Laser, Ultrasonic

Engineering Analysis

- Finite Element
- Stress/Strain/Displacement
- Performance Measurement
- Failure/Fatigue
- Risk Assessment/FMEA

Engineering Tools

- SolidWorks
- SolidWorks Simulation
- AutoCAD
- ACAD Electrical
- EdgeCam
- DesignSafe (Risk Analysis)

Supported Platforms

Allen Bradley	C++	LabView
Mitsubishi	C-MORE	Beckhoff
Siemens	Wonderware	VB Net
GE	Telemechanique	

Supported Protocols

CANBUS	RS-232
DeviceNet	RS-485
Ethernet	EtherCAT
Profibus	Plus More

Robotic Systems

Fanuc
Adept
Denso
AIA
Staubli

Vision Systems

Cognex
Keyence
Microscan
Zynergy/Zeller
Dalsa

Lasers

Trumpf
Lumonics
Synrad
Mecco
Domino & others

Certifications

ISO9001 | AS9100 | UL Listed Panel Shop
ITAR Registrant Code: M18737 | IPC-WHMA-620