



GENERAL CAPABILITIES

Mechanical & Controls Engineering, Turn Key Assembly & Test Systems, Machine Integration, Fabrication, Precision Machining, Certified Welding

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
GE	C-MORE	Beckhoff
Siemens	Wonderware	Telemecanique
Mitsubishi	VB Net	

SUPPORTED PROTOCOLS

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

ROBOTIC SYSTEMS

Fanuc
Adept
Denso
AIA
Staubli

VISION SYSTEMS

Cognex
Keyence
Microscan
Zynergy/Zeller
Dalsa

LASERS

Trumpf
Lumonics
Synrad
Mecco
Domino & others

CERTIFICATIONS

ISO9001:2015
AS9100D
UL Listed Panel Shop
ITAR Registrant Code: M18737
IPC-WHMA-620
NASA-STD 8739.3