



General Capabilities

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

Automation System Types

Assembly	Motion Control and Drive Systems
Conveyor Systems	Packaging
Dispensing	Pick & Place
Inspection	PLC Systems
Guided Motion	Process Heating
Marking - Labeling, Pin Stamping, Laser Marking,	Robotic Systems
1D & 2D Bar Codes	Test - Electrical, Functional, Leak
Measurement - Pressure, Flow, Force, Distance,	Vision Systems - Inspection, Guided Motion
Torque/Angle	Welding - Arc, Laser, Ultrasonic

Engineering Analysis

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

Engineering Tools

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

Supported Platforms

Allen Bradley	Beckhoff	Wonderware
GE	Mitsubishi	Telemecanique
Siemens	C++	VB.Net
LabVIEW	C-MORE	

Supported Protocols

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

Robotic Systems

Fanuc Adept Denso IAI Stäubli

Vision Systems

Cognex Keyence Microscan Zynergy/Zeller Dalsa

Lasers

Trumpf, Lumonics, Synrad

Laser Marking

Keyence, Mecco, Domino & others

Electrical Certifications

UL Listed Panel Shop
IPC-WHMA-620 (*Requirements and Acceptance for Cable and Wire Harness Assemblies*)
NASA-STD 8739.3 (*Soldered electrical connections*)