

# OUR SERVICES

## ELECTRICAL DESIGN

MANUFACTURING  
PEACE OF MIND<sup>SM</sup>

# MANUFACTURING PEACE OF MIND

Trusted System Integrators Since 1998  
Offering Expertise That Delivers  
Efficiency, Safety, and Long-Term Reliability

### Electrical Design Core Capabilities

- Experience with design 480VAC Control Panels for motor and pump control design, PLC control panels.
- Employees Arc Flash NFPA70E Trained - We design to minimize arc flash hazards.
- Design For Process Control Systems - including flowmeters, control valves, pumps, level sensors, pressure transmitters.
- Design for Machine Vision System: Cognex, Keyence, Datalogic and more
- Design for Robot Control Systems: Preferred Integrator for Kawasaki and experience with Fanuc, Motoman Yaskawa, UR- Collaborative and more
- Turnkey Solutions - We are your single source supplier that builds our own designs

### Technical Standards and Compliance

- Employees Arc Flash NFPA 70E trained – designs minimize arc flash hazards
- UL508A Certified Panel Shop – design and build to UL508A & NEC specifications
- Safety Designs – CAT B to CAT 4 compliance
- CAD Expertise – AutoCAD Electrical, EPLAN, and other design tools.
- Power & Control Standards:
  - Power: 480VAC, 230VAC
  - Control Voltage: 120VAC, 24 VDC
  - Analog Signals: 4-20mA, 0-10V

### Why Choose Axis?

#### Expertise That Goes Deep

We offer reliable, cost-effective designs tailored to your requirements. Certified Expertise – UL508A, NFPA70E, NEC compliance

#### Proven Peace of Mind Integration

Safety, Compliance, and Proven Integration – from PLCs and HMIs to machine vision and robotics, every system is engineered for reliable long-term performance

### Electrical System Expertise

#### Technical Knowledge

- Sensors & Actuators – Selecting and integrating inputs/outputs for performance.
- Controllers (PLCs) – Central to automation and system control.
- Feedback Loops – Monitoring and adjusting for reliable operation.
- Electrical Components – Proficiency with relays, breakers, wiring, and control devices.

#### Engineering Principles

- System Design – End-to-end control system development.
- Safety & Compliance – Meeting IEC and industry standards.
- Problem-Solving – Analytical skills to resolve complex challenges.

### Industries Served

- Food & Beverage
- Automotive & Tier 1 Suppliers
- Specialty Equipment & OEM
- Printing & Packaging
- Manufacturing
- Surface Mining
- Chemical
- Plastics
- And Many More

