

# ELECTRICAL & MECHANICAL DESIGN

## LAVLAN ENGINEERING INC.

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### Electrical Design

We design power electronic systems for:

- AC/DC motors
- Stepper motors
- Servo drives
- Control Systems

We also design Power Converters for a power ranges 100W to 500KW for the following configurations.

- AC-DC
- DC-DC
- DC-AC
- UPS
- SMPS

### Electronic Design

LAVLAN Engineering can also help you design high-density hardware circuits that meet international standards such as:

- FCC class A, B
- CISPR22/24
- CE Mark and UL

### Electrical Design Software

We design using tools like:

- AutoCAD Electrical
- OrCAD CIS/Capture
- Pad PCB
- Zuken CR5000

### Mechanical Design

We design and install:

- Machine Guarding
- Hoist gantry systems
- Pneumatic lifting systems
- Specialized lifting tools

### Mechanical Design Software

Our mechanical design team are well versed in:

- AutoCAD
- Pro. Engineer (Pro. Mech)
- Solid Works for part analysis (FEA) & modeling

Who calls on LAVLAN Engineering?

-Companies with no engineering departments.  
-Firms with technical needs that parallel their areas of expertise and others with needs outside their area of expertise.

-Design departments with short-term overflow  
-Long-term projects that build and grow  
-Projects that need acceleration to stay on schedule.

**LAVLAN ENGINEERING Inc.** has the industry experience necessary to satisfy your complex design requirements. Our highly skilled professionals are dedicated to finding cost effective solutions that give our customers, the edge they need in a competitive marketplace.