



Electrol Specialties Company

441 Clark Street

South Beloit, IL 61080

(815)389-2291

Aerospace Test Equipment

SERVICES & CAPABILITIES:

- **COMMERCIAL & MILITARY AIRCRAFT TEST EQUIPMENT**
- **CABINETS & CHASSIS ASSEMBLIES**
- **CONTROL PANELS**
- **TEST STANDS**
- **HARNESSES**
- **PRINTED WIRE BOARD ASSEMBLIES**
- **BRAKE ACTUATOR TEST KITS**
- **FULL WING (FLAP/SLAT) TEST STANDS**
- **GENERATOR ROTATION TEST STANDS**
- **FABRICATION**
- **LASER ENGRAVING**
- **ITAR REGISTERED FACILITY**
- **SYSTEM INTEGRATION**
- **COMPUTER-AIDED DESIGN (CAD)**
- **SOFTWARE INSTALLATION AND PROGRAMMING**

✓ **FLEXIBLE VOLUMES**
FROM ONE-TIME, CUSTOM BUILDS TO MULTIPLES

✓ **QUALITY ASSURED**
INSPECTED AND TESTED FOR QUALITY AND PERFORMANCE

Electrol Specialties Company (ESC) was founded in 1950 with a niche expertise in Electrical Controls. Since then, ESC has expanded its production capabilities to include custom fabrication and electrical design. ESC is registered with the US Department of State under International Traffic in Arms Regulations (ITAR). ESC offers a wide range of customizable fabrication & assembly capabilities, from small one-time builds to multiples. ESC has 70+ years of experience and expertise in meeting clients' needs.

CABINETS, CHASSIS, & CONTROL PANELS

ESC is equipped to handle anything from small chassis builds to large, multi-bay cabinet builds. These build-to-print products are assembled and tested to meet the needs and requirements of the job with ensured quality. Cabinets, chassis, and control panels can be built for test equipment, test stands, control needs, or other applications, built to your specifications and standards.

PRINTED WIRE ASSEMBLY

ESC and its team have the capabilities to purchase parts, assemble, and populate printed wiring board assemblies. In the environmentally controlled facility, ESC can do prototyping, modifications, testing, and inspection at up to 40x magnification. ESC has a team fully-certified in aerospace hand-soldering, who can handle anything from single to multiple boards to fit your ordering needs.

HARNESSES

ESC assembles cable and wire harnesses. ESC has the experience and tooling for a wide variety of connection types including Amphenol, Virginia Panel, Hypertonic, Positronic, MAC Panel, ITT Canon, and other military specification parts. ESC does component procurement, for small- and large-scale harness builds. The team at ESC has the tooling for torqueing specifications, both solder and crimp connections, and many wire and cable sizes to accommodate multiple types of harnesses: ESC is proficient in ranges from small-gauge, signal and communications wiring to large-gauge, high-voltage power wiring.

