



## COMPONENT TESTING

**Performing equipment evaluation to determine if the equipment will work in the production environment.**

RES operates an third party, independent, physical testing lab staffed with electrical, mechanical, and welding engineers capable of performing analysis of components or products that are for, or are exposed to the welding environment. Equipment is validated by creating a simulated environment, and testing to an industry standard. This simulation determines the capability and performance of the product for its actual application. Using our process will reduce any chance of product failure, increase project startup confidence and reduces machine or tool downtime.

### Key Services / Expertise:

- **Welding components**
  - Weld guns (pneumatic / servo)
  - Weld controls / AC / MFDC-inverters
  - Welding cables (primary / secondary)
  - Transformers / MFDC power supplies
- **Pneumatic / electric components**
  - Cylinders
  - Power clamps
  - Control valves
- **Robotic components**
  - Cables
  - Tip dressers
  - Robot dress
- **Communication network verification**
- **Life testing to simulate production application**
- **Engineering and development of product test procedures and specifications**

