



Quad Plus™

SEMICONDUCTOR SERVICES

All drives have semiconductors that are used to rectify, invert, or convert the input and output voltage. (Diodes, SCR's, GTO's, IGBT's, etc.)

Failure of these semiconductors pose challenges to users such as:

- Why did it fail and will it fail again?
- What is an appropriate replacement device?
- How do I replace the device?

Quad Plus can help answer these questions for you.

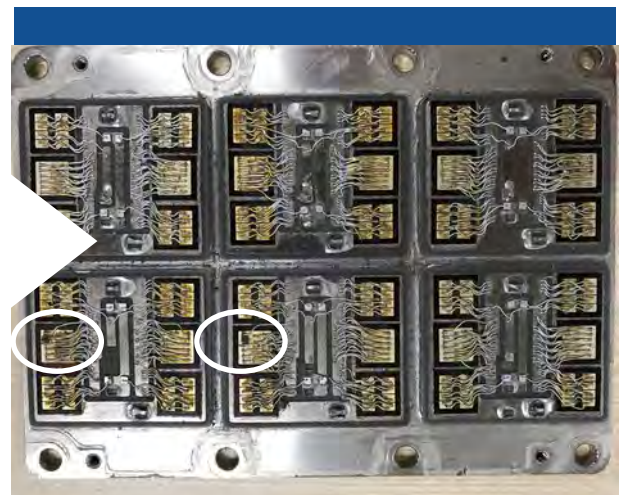


Our team of engineers can work with you to :

- Perform a Root Cause Failure Analysis
- Specify and supply replacement devices
- Perform on site or in-shop installation
- Resurface heatsinks
- Recondition and test assemblies

In situations where you are experiencing a severe or repeat failures, our root cause failure analysis tool box includes

- Power system transient analysis
- Internal drive transient analysis
- Failed Device Analysis
- Thermal analysis
- Application analysis
- Recondition and test assemblies



About Quad Plus

Quad Plus provides industrial control systems, solutions, and services. We offer an uncompromising level of service and expertise to maintain our customers' productivity. Our extensive process knowledge spans from the utility pole to the motor shaft. With an on-going commitment to follow-up service, parts, and repairs, we are all you need for continued success.

We are recognized in the field as a leader in drive and motor control. Solutions are designed in-house through research and development tailored to meet each client's specific needs. Our design staff includes electrical, mechanical, civil/structural, chemical, and controls.



FACILITIES

- Chicago, IL
- Atlanta, GA
- Appleton, WI
- Houston, TX

SATELLITE FACILITIES

- Boston, MA
- Evansville, IN
- Fort Myers, FL
- Mobile, AL
- Cleveland, OH
- Bend, OR
- Los Angeles, CA
- Kansas City, MO

LARGE DRIVES - AUTO SHREDDING



INDUSTRIAL APPLICATIONS



OIL, GAS and MARINE



POWER SERVICES



INDUSTRIAL SAFETY SERVICES



**Modern Thinking
Better Design**



Quad Plus™

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