

Stellar Industries Achieves ROI in One Day with Sentry 20 PLUS

"With the use of QuadTech's Sentry 20 Plus we were able to test our parts and have complete confidence in the quality of our finished product. On day one, we saved more than \$10,000 in replacement parts. QuadTech has always gone above and beyond our expectations and I will always consider QuadTech 1st for any electrical testing we may need."

Derek Richardson
Engineering Manager
Stellar Industries

Summary:

- Immediate ROI – saved \$10,000 on day one
- Improved product quality testing procedures
- Enhanced ability to detect electrical defects
- Eliminated the replacement of working parts

The Challenge

Stellar Industries, a thermal management company, creates products including custom lapped and polished electronic grade ceramics for companies in the Telecom, Biomedical and Defense Industries to be used in a variety of electrical components. They needed to ensure there was no conductive material between their conductor traces, as this would cause electrical shorts in the components. The components needed to be isolated, tested at 1000V and show no indication of shorting. At the time, Stellar Industries was making decisions on product quality strictly based upon visual inspection by microscope. They were searching for a more accurate and reliable ways of testing this.

The Solution

The customer chose the Sentry 20 Plus, one of QuadTech's most economical electrical safety testers, which allowed Stellar Industries to perform hipot tests up to 1000V.

This solution enabled Stellar Industries to properly determine the difference between visual and electrical defects while saving parts traditionally deemed damaged through past product quality tests. They are also able to provide reliable and accurate electrical testing results to their quality department.

The Benefits

Implementing the Sentry 20 Plus for their electrical testing purposes has allowed Stellar Industries to better determine the quality of their product's components with accurate test results, saving more than 3 percent of product parts company-wide. By performing a basic Hipot test, they can now make educated decisions on product quality. This represents a large cost savings for Stellar Industries, because only the truly defective parts will now be replaced based upon the accurate data the Hipot tester provides.

This company achieved their ROI on the first day, saving more than \$10,000 in reusable parts.