

APPLICATION NOTE / USER CASE STUDY

University of Leicester purchase Lynx Evo as vital aerospace inspection solution

Introduction

Within the electronics workshop at the University of Leicester Space Research Centre, researchers design and manufacture safety critical electronic assemblies for orbital and planetary space research and highly accurate ground-based research instruments. "Vision Engineering's Lynx Evo is perfectly suited for this aerospace application", explains Duncan Ross, Head of the Electronics Workshop.



Operating the Lynx Evo

Many of the electrical boards use through-hole technology and are assembled by the researchers by hand. The Lynx Evo's working height makes it ideally suited for this application. In an interview with Optimax, Duncan Ross shared that:

"Lynx Evo operators are given unparalleled insight – a precise view of how solder wets on the joints gives greatest assurance that they are formed properly. This improves product assurance and ensures long term part performance. Operators easily meet high traceability demands with images of each joint taken before the flight printed circuit board is launched. The simultaneous on-screen display also makes the Lynx Evo a valuable training tool, allowing new staff to see how the joints form and exactly how soldering operations are best performed."

- Duncan Ross.

Conclusion

The flexibility of the Lynx Evo further optimises return on investment by meeting the quality control demands of parts manufactured in the University of Leicester's small electronics production facility.

"We have been waiting for a microscope with such high-resolution image capture."

About Optimax

Optimax is one of the UK's leading independent production metrology, optical inspection and force testing specialists.

We offer a technical and solution-based approach to our customer's industrial inspection and measurement applications.

With UKAS accreditation and an experienced team of qualified engineers, we also provide calibration, service, repairs, upgrades and training.

Contact us to find out more about how we can support your production metrology and visual inspection requirements.

01858 436940
sales@optimaxonline.com

Optimax

WWW.OPTIMAXONLINE.COM