

## BREAKING NEWS

### Russel Fraser Sales Announces New Product Lines and Instructional Videos



Russel Fraser Sales (RFS) is pleased to announce that it has added another two new product lines to its already comprehensive product catalogue. These product lines include FLIR's Exx-Series (E75, E85 and E95) of affordable thermal cameras and TSC Inspection Systems' new Alternating Current Field Measurement System.

In addition, RFS has released the 'Unboxing NDT' video series, which offers viewers an overview of the different features of each instrument, as well as easy-to-follow usage instructions.

### Unboxing NDT Video Series

RFS has launched an exciting innovation for the NDT industry with their online product review video series 'Unboxing NDT' on YouTube.

The 'Unboxing NDT' video series offers viewers a hands-on look at exactly what's inside their NDT equipment box, providing an overview of the different features of each instrument, as well as easy-to-follow usage instructions.

RFS released the series of videos in response to calls from the Australian NDT industry for a more accessible approach to equipment instructions, particularly as so many technicians and professionals are frequently travelling and therefore using equipment whilst on the move.

The first videos in the series features the RFG-4000 ultrasonic



thickness gauge, and the Cygnus 2 and Cygnus 4 Ultrasonic Thickness Gauges. The 'Unboxing NDT' videos can be found on the RFS YouTube channel.

### TSC Develops Portable Alternating Current Field Measurement System

TSC Inspection Systems has recently released a new innovation that will be distributed in Australia by RFS; an entirely portable Alternating Current Field Measurement (ACFM) system that allows the NDT technician to work at their own PACE™. No longer will some jobs be off limits; take PACE with you to the inspection site and discover the time and cost saving benefits of using ACFM for highly accurate surface crack detection. PACE offers reliable, repeatable ACFM crack detection with defect sizing, length and depth.

PACE is a robust, single user ACFM instrument with a daylight readable, strengthened LCD screen and IP65 rating. PACE has a long battery life of over eight hours and enhanced software inspection reports detailing defect sizes, locations and scans, plus an on-board camera to enrich reports, with the option to include detailed imagery from the inspection site.

TSC's new pencil style probe range SENSU™ partners PACE and features straight nose and right angle nose probes which can perform continuous scanning whilst being able to gain access to challenging tight angle inspection areas.

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**Exceed Consulting**, based in Wangara, WA, provides metallurgical consulting services, failure analysis, visual inspection, specialist testing and wear testing services to a broad range of companies.



**Exceed Consulting has become a leading supplier of wear testing services.** Our service enables our customers to understand a materials wear characteristics prior to installing the material in their plant. The wear testing facility that we have developed, coupled with our extensive metallurgical capabilities provides a comprehensive understanding of both the wear rate experienced and the effects of the materials properties on the materials wear rate.

Because a material is hard does not mean that it will adequately resist a wear

mechanism. There are other factors that affect a materials ability to resist abrasion, which include:

- Microstructure
- Chemistry
- Method of Manufacture
- Abrading media present

Through our knowledge of wear mechanisms and a review of the client's operations Exceed Consulting can develop a test regime that will provide meaningful results, which will correlate with true operating conditions.

#### Other Services include:

- Metallurgical Failure Analysis
- Polymer Failure Analysis
- Polymer Identification and Testing
- Ceramics Testing
- Material Characterisation
- Materials Selection
- Welding Engineering
- Material Identification
- Hardness Testing including
  - Vickers
  - Rockwell
  - Portable Ultrasonic
  - Portable Leeb
- Scanning Electron Microscopy

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