



ITCL



# ITCL: Ready for Inspection Eddy Current Testing (EC)



## What is it?

The principles of electromagnetic induction form the basis of eddy current testing and inspection techniques, used to inspect metallic parts for flaws and other defects. Such non-destructive testing is particularly useful for the detection of surface or near-surface defects, alloy sorting, conductivity thickness measurements and the inspection of bolt holes and other cylindrical areas.

### **Eddy Current Testing and Inspection (EC) has a number of key advantages:**

- Sensitivity to small cracks and other defects
- Surface and near-surface detection
- Immediate results feedback
- Versatility of use
- Lightweight and portable probe kit
- Test objects need minimal preparation
- Probe is sensitive in either contact or non-contact mode

### **Eddy Current Testing and Inspection (EC) is eminently suitable for:**

- Crack detection
- Material and coating thickness measurements
- Conductivity measurements for material identification, heat damage detection and monitoring and determination of casing depth.




## Why should I use ITCL?


ITCL prides itself on the high quality of application and testing by experienced technicians.

Our workforce is fully qualified to current standards and works to approved procedures and control checks. Environmental and Health & Safety issues are of paramount concern to all staff working on your site. Expert consultation is always available.

ITCL offers a comprehensive 24hr in-house and on-site service.

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