

## ADVANCED INSPECTION TECHNOLOGY

### Internal Rotary Inspection System (IRIS)

NDTS has the knowledge, expertise and experience to perform Inspection provides a range of systems to inspect tubes in Heat Exchangers, Air Coolers, Feed Water Heaters, Condensers, and similar items using a selection of inspection techniques.

Tubes can be inspected periodically to detect and size discontinuities e.g. pits, erosion, cuts, grooves and wear. Correct technique selection is critical and depends on the tube material; ferromagnetic or non-ferromagnetic and the type of discontinuities expected.

Techniques include:

- Internal Rotary Inspection System (IRIS)
- Eddy Current Testing (ET)
- Remote Field Testing (RFT)

Eddy Current Testing, and Remote Field Testing are electromagnetic techniques and tend to be used as screening tools in order to select tubes for IRIS, especially in the case of ferromagnetic materials, e.g., Carbon Steels.

