

T.Rota : UT FLAW AND DIMENSIONAL SYSTEM – FOR ROTARY HEAD AND ROTATING TUBE TECHNIQUE

Socomate International

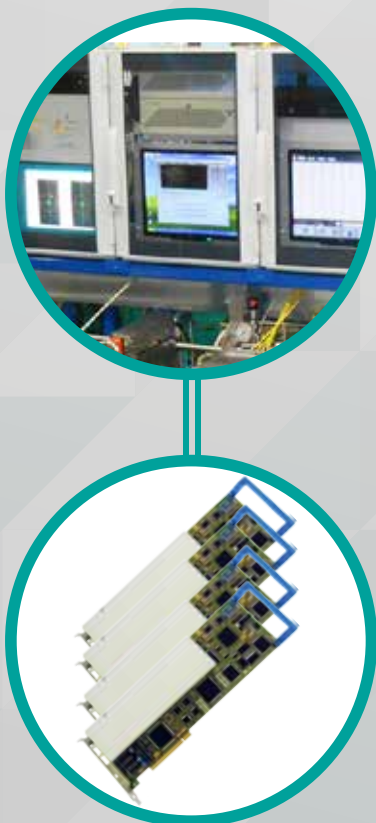
Worldwide excellence in UT electronics

T.Rota system is the **best solution** available on the market, in terms of price, quality and reliability. It offers a high precision tube and bar UT inspection for in-line high speed flaw detection and/or dimensional measurement of outside diameter, thickness, internal diameter, eccentricity, and ovality, the whole in real time.

This solution is usable when retrofitting old electronics in place or when installing a new line. When equipping your lines with our T.Rota, it is easily adaptable to any supervisor interface or PLC (programmable logic controller), analogical or numerical. If needed, Socomate is able to supply a supervisor interface.

Furthermore, the solution can fit with the needs, either for flaw detection and, or dimensional measurement.

To increase your confidence, Socomate have got several references such as Vallourec, Valinox Nuclear, Sandvik, Sotep...



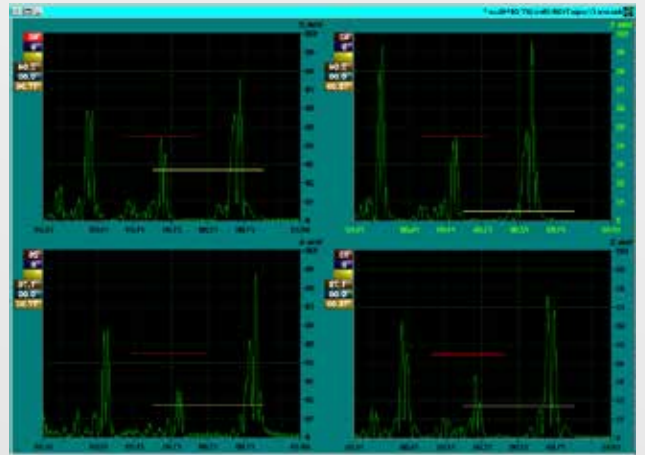
Example : T.Rota combined with CMS rotary head

Flaw detection:

Equipped with a minimum of 4 USPC7100LA single channel Ultrasonic PCI cards firing in parallel at up to 20 kHz PRF.

T.Rota performances are recognized internationally for the detection of small defects in precision tube including those for aircraft and nuclear markets.

Raise the quality of tube and bar with the T.Rota at very competitive price.



Dimensional measurement:

Equipped with 3 USPC7100LA, single channel ultrasonic PCI cards firing in parallel at up to 20 kHz PRF.

Benefit from Socomate's software, a real time acquisition to measure wall thickness and external diameter from which it calculates, always in real time, internal diameter, eccentricity, and ovality with a resolution better than 1 μ m.

Subject to the rotary head performances, the measurement accuracy could be $\pm 3\mu$ m.



T.Rota on rotating tube technique