

Products Area



- Instrumentation and software for vibration measurements
- Infrared cameras & thermal imaging
- Ultrasonic instruments
- Automatic systems for balancing of rotating units
- Electric motor testing
- Interactive software for training

ISE has formed strategic partnerships with leading companies in the field of **Condition Monitoring**, and it is able to offer the most advanced **diagnostic instruments and systems**.

All the instrumentation is screened and used by **ISE** and shows an high standard of technology, a wide user-friendliness and a large employment in different fields.

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- **Instrumentation and software for vibration measurements - Azima DLI**
ISE provides the most innovative hardware and software solutions for vibration measurements, for the automatic diagnoses of data and for report making.

- _ Transducers for vibration measurements.
 - _ Spectrum analysers.
 - _ On line vibration monitoring systems.
 - _ Software for vibration analysis and for balancing of rotating units.
 - _ Expert-systems for automatic diagnoses of data and for report making.

- **Infrared cameras & thermal imaging - FLIR Systems**

Thermography represents one of the most important diagnostic instruments for predictive maintenance. It can be used in various industrial sectors: research and development, automotive, building, surveillance and security, medical etc.

- **Ultrasonic instruments - SDT**

The Ultrasonic Testing (UT) or Acoustic Emissions (AE) testing use ultrasound properties to detect any improper functioning of machines in the field of predictive maintenance, diagnostics, safety and quality control.

- **Automatic systems for balancing of rotating units - LORD Corporation**

The automatic RealTime™ Balancing system is able to correct imbalances in rotating units during their normal functioning, without it being necessary to stop the machine in order to carry out the standard procedure of balancing.

- **Electric Motor Testing - PDMA Corporation**

PDMA Technology is designed to monitor and trend the condition of AC induction, synchronous, wound rotor and DC motors, including MCC, cables and Power Quality analysis.

- **Interactive software for training - Mobius**

The Software for specialized training regarding vibration analysis and machine alignment constitutes an effective interactive support for training programmes aimed at helping the personnel involved in predictive maintenance activities.

ISE operates in the following Sectors:

Airports, Food and Beverage, Automotive, Paper, Machine Producers, Power and Gas, Pharmaceutical Plant, Rubber and Plastics, Large-scale Distribution, Cable Transport, Chemicals, Cement, Quarry and Stone, Brick-making, Iron and Steel, Engineering, Microelectronics, Hospitals, Petrochemical, Textiles, Shipping, Haulage, Waste, Glass and Ceramics.