



Machinery Diagnostics Institute

MDI – Machinery Diagnostics Institute are worldwide professionals providing class room and virtual online interactive technical trainings, based in Queensland – Australia.

Teaching staff are real practitioners specialized in delivering knowledge of Machinery Diagnostics techniques from basic levels to the most advanced.

Helping technical teams to develop their knowledge, knowing how to best utilize the most advanced diagnostics techniques and improve site performance through delivering accredit trainings and guiding them to the best practices.



**Vibration
Analysis**



**Thermal
Imaging**



**Machinery
Lubrication**



**Ultrasound
Testing**



**Turbo-
Machinery
Analysis**



**Machinery
Balancing**



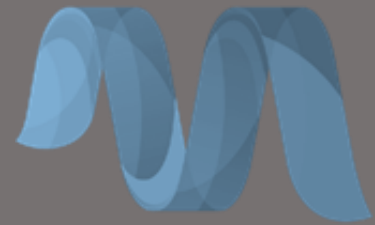
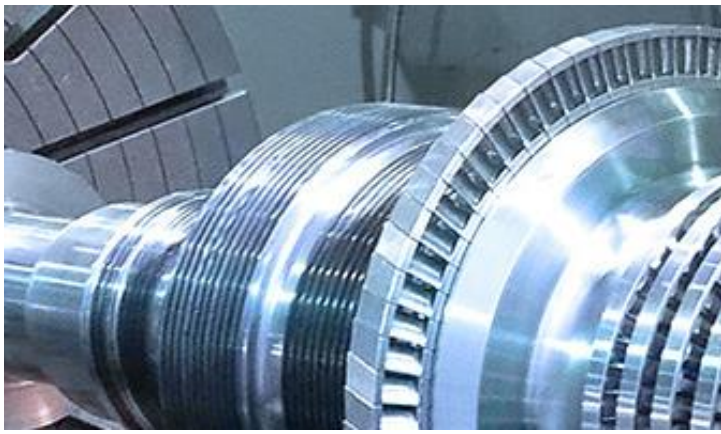
**Shaft
Alignment**



**Asset
Reliability**

OUR PARTNERS





MDI - Machinery Diagnostics Institute
The training provider for Advanced
Turbomachinery Analysis & Rotor
Balancing training course and
certification

Advanced Machinery Balancing

A Three Days course intended to provide all technical information for advanced levels of rotating machinery balancing and field applications.



Training Main Topics:

- Introduction to rotor balancing
- Phase Analysis
- Balancing diagnostics
- Single & Two Plane Balancing
- Balancing using amplitude only.
- Balancing using influence coefficient
- One shot Balancing.
- Balancing Mode shapes.
- Workshop Balancing.
- Balancing diagnostics for fans and turbines
- Correction weight location using vectors and polar plot
- Balancing method using polar plots.
- Trail weight calculation and estimation
- ISO standards.
- Case studies for (Motors, Fans, Blowers, Crushers, Pumps, and Turbine Balancing)



Online Interactive Course Option

Attend the training anywhere world-wide, without traveling expenses



Hardcopy References & Balancing Software

Acquire text book & software for single and multi-plane balancing



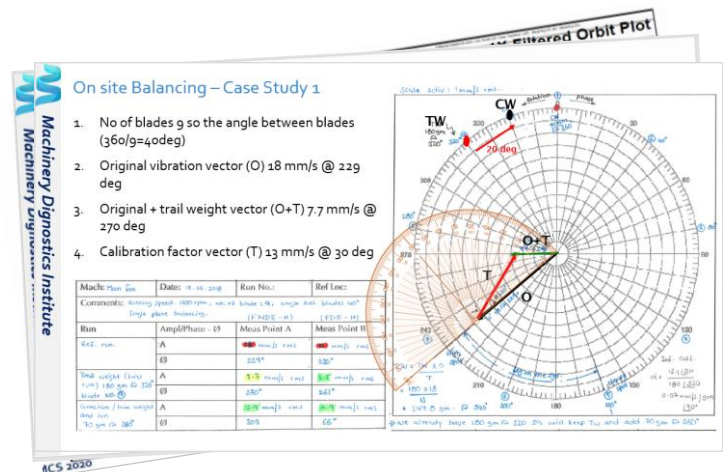
Practitioner Instructor

Gain wide practical experience based on hundreds of balancing cases



Practical Course

The most practical course to learn all the tricks you need to do in balancing



MDI - Machinery Diagnostics Institute - Gracemere, Queensland - Australia
 Phone: +2 010 9 27 54 810 / +61 499 881 294
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