

Valmet Vibration Measurement and Analysis course

This course provides the attendee an introduction to vibration measurement and vibration measurement analysis, vibration characteristic values, time domain and spectrum analysis, envelope analysis supplemented by STA analysis (Synchronized Time Average analysis).. Practical exercises during the training complement to the theory of vibration measurement analysis.



Objective

After completing the course the attendee is capable of performing typical vibration analyses as part of their everyday practices and using this information on determining the mechanical condition of the rotating mechanical element.

Target group

Preventive maintenance personnel
Maintenance management

Prerequisite

User skills for
Valmet Maintenance Pad or
Valmet DNA Machine Monitoring or
Valmet Sensodec

Course duration

1 day

Course limit

Max. 8 participants

Benefits

Through Valmet's professional training programs, either standard courses or tailored to your specific needs, you will have optimized competences available in your organization. Together we make a development plan for your personnel based on your business needs, and deliver the agreed training flexibly and effectively.

Optimized competence development enables

- better utilization of features in the automation and control solutions
- proper installation, start-up, operation and maintenance of the solutions and equipment
- improved knowledge of product-related safety and environmental issues
- better employee motivation

The results are typically visible as higher productivity, plant availability, improvements in end product quality, time and material savings.

Course Program

Day 1: 9:00 – 16:00

- Introduction to vibration measurement and vibration measurement analysis
- Vibration characteristic calculation and values, theory and practical real life analysis case
- Time domain and spectrum analysis, theory and practical real life analysis case
- Envelope analysis, theory and practical real life analysis case
- STA analysis (Synchronized Time Average analysis), theory and practical real life analysis case
- Practical cases to be solved by the attendee, supported by the trainer

