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). The attendee will additionally familiarize oneself on guidelines, how to decide on mechanical condition of the rotating mechanical element. 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
8 attendees

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.

For more information, contact us:
www.valmet.com/automation/training
training.automation@valmet.com

Course Program

Day1, 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

Competence Solution

Assessment
Assessment of the technical competence of your team against the goals, addressing changing production and maintenance goals

Analysis
Analyzing the assessment results and possible gaps

Development plan
Identifying relevant training needed to bridge gaps in competence,

Training
Carrying out the specified training as scheduled
Predefined or customized, classroom and hands-on training with training demos and process simulators