## Valmet IQ quality measurement maintenance course

This course provides a detailed review of the functions, structures and maintenance procedures of the Valmet IQ measurement system. The course covers Valmet IQ Scanners and the most typical sensors (Basis Weight, Moisture, Ash, Caliper). Practical exercises give insight into using the diagnostic displays and maintenance tools. Exercises are done on fully functional Valmet IQ Measurement system including IQ Scanner (incl. upgraded versions), IQ Basis Weight, IQ Web Moisture and IQ Web Caliper.



#### **Objective**

After completing the course the participants will be familiar with Valmet IQ Measurement system. They will be able to do the scheduled maintenance and evaluate the performance of the quality measurements.

#### **Target group**

QCS maintenance persons.

#### **Prerequisite**

Valmet DNA operator skills.

#### Course duration

4 days

#### **Course limit**

8 attendees

#### **Benefits**

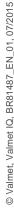
Through Valmet's professional training programs, either standard courses or tailored to your specific needs, you will have optimized competences available in your organization. Together we make a development plan for your personnel based on your business needs, and deliver the agreed training flexibly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



### Course Program

Day 1, 9:00 - 16:00

#### Valmet IQ measuring system

- •IQ Scanner through the years
- Integration to Valmet DNA

#### **Operator interface**

#### Valmet IQ Scanner

- Mechanical structure
- Maintenance displays

Day 2, 8:30 - 16:00

#### **Valmet IQ Scanner continues**

- Electrical systems
- •Communication
- Cooling system
- Pneumatic system

#### **Valmet IQ Basis Weight Sensor**

- Principle of operation
- Mechanical structure
- Maintenance displays

Day 3, 8:30 - 16:00

#### Valmet IQ Web Moisture Sensor

- Principle of operation
- •Mechanical structure
- Maintenance displays

#### Valmet IQ Web Caliper

- Principle of operation
- Mechanical structure
- Maintenance displays

#### Valmet IQ Total Ash

- Principle of operation
- Mechanical structure
- Maintenance displays

Day 4, 8:30 – 15:00

#### **Sensor Tools**

- Air Scan Tool
- MD Correlation Tool
- CD Correlation Tool
- External Samples Tool
- Sensor Verification example

# Competence Solution Training Assessment Continuous development Development Analysis

#### 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

