

Millmate Thickness Gauging Systems

Force Measurement

Z233e – Web-based training (External version)

Course duration

1.0 hour, depending on personnel knowledge

Course type

This is a web-based training course. The course includes self-study material and self-assessment questions. The language of the course is English.

Course goal

The course introduces the Millmate Thickness Gauging Systems with the following course modules.

The training covers the following topics:

- Technical principles
- Product portfolio & technology
- Applications

Student profile

All ABB stakeholders (customers, universities, partners, ...)

Course objectives

Upon completion of this course, students will be able to:

- Recognize the need for thickness measurement equipment in metal rolling industry
- Describe the role of a thickness gauging system as a component in a rolling mill control system
- Explain the main characteristics of Pulsed Eddy Current technology and its customer benefits
- State the two most important competing measurement technologies and recognize their respective strengths and weaknesses
- Recognize the parts that Millmate Thickness Gauging Systems consist of
- Describe the use of the different parts
- State the different ways of integrating Millmate Thickness Gauge in higher level systems
- State the two main system options
- State the main process steps involved when producing a flat metal strip
- Recognize the thickness control needs in the different process steps within flat metal production
- Recognize different types of applications for which the Millmate Thickness Gauge is designed