

Roll Force Measurement

Force Measurement

Z226e – 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 goal of this course is to introduce the product basics of roll force measurement.

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:

- Describe what roll force is
- Describe at least one customer benefit that can be achieved by measuring Roll Force
- Explain the main characteristics of the Pressductor® technology and its customer benefits
- Recognize the parts of ABB Roll Force measurement systems
- Describe use/application of each load cell type and Millmate Controller 400
- Recognize different types of rolling mills for which the system is designed
- Recall and describe the flat rolling process from hot rolling to cold rolling
- Describe the benefits from applying ABB Roll Force measurement products in flat rolling mills