Z801, Stressometer Systems 9.X FPS
Operation, maintenance and service

ABB’s professional training services qualify your engineers, maintenance and operations staff to get the most out of your investment. Training is available either in the classroom or at your plant.

Course and learning objectives
The goal of this course is to learn basic, theoretical-flatness measurement using the Stressometer System 9.X Force Profile System (FPS).

Upon completion of this course, the participants will be able to:

• Describe and understand the basic principles of Stressometer System 9.X and its range of functions
• Perform basic operation, maintenance and service of the Stressometer System 9.X

Participant profile
This training is targeting process engineers, mill operators, commissioning/service engineers and OEM integrators I.e. people who will perform operation, maintenance and service of Stressometer System 9.X.

Prerequisites
Participants should have some knowledge of the cold rolling mill process and have basic knowledge of mechanics and electronics.

Topics
• Theoretical knowledge of strip flatness in cold rolling mills
• Latent flatness vs. Manifested flatness
• Mechanical installation
• Hardware and software description
• Installation and start-up of Stressometer System 9.X
• Maintaining and servicing of mechanical and electronic parts
• Fault tracing

Course type and learning methods
This is an instructor-led course with interactive discussions and associated lab exercises.

Course duration
3 days
Day 1
Introduction (safety, schedule, background and expectations)
What is flatness
Stressometer roll, different types and maintenance
Digital Transmission Unit (DTU)

Day 2
The FPS-system and all attached equipment
Mechanical installation
HMI and functionality

Day 3
Continue with HMI and functionality
Roll calibration/verification, difference in workshop and on site
To make backup and restore
Tour in the Pressductor workshop