Z800, Stressometer Systems 9.0 FSA
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 and practical flatness measurement and flatness control using Stressometer Systems 9.0 FSA.

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

• Describe and understand the basic principles of Stressometer System 9.0 and its range of functions
• Perform basic operation, maintenance and service of the Stressometer System 9.0

Participant profile
This training is targeting process engineers, mill operators and commissioning/service engineers. I.e. people who will perform operation, maintenance and service of Stressometer Systems 9.0.

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
• Operating functions and the effect on the process
• Installation and start-up of Stressometer System 9.0
• HMI and dynamic screens
• Simple programming of Stressometer FSA-objects and HMI
• Maintaining and servicing of mechanical and electronic parts
• Fault tracing
• Flatness control with different actuators and mill types

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

Course duration
5 days
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<td>Introduction (safety, schedule, background and expectations)</td>
<td>The FPS-system and all attached equipment</td>
<td>Continue with HMI and functionality</td>
<td>Mill types and mechanical actuators</td>
<td>Flatness and QAT Loggers</td>
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<td>What is flatness</td>
<td>Mechanical installation</td>
<td>Roll calibration/verification, difference in workshop and on site</td>
<td>Mechanical control (Flatness Control System)</td>
<td>Stressometer special applications</td>
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<td>System configuration and the different Stressometer versions (FMS / FCS)</td>
<td>HMI and functionality</td>
<td>To make backup and restore</td>
<td>Thermal control (Flatness Control System)</td>
<td>Stressometer delivery Documentation</td>
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<td>Stressometer roll, different types and maintenance</td>
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<td>Tour in the Pressductor workshop</td>
<td>Communication</td>
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