

Coil Processing

CERTIFICATE COURSE

FMA[™]



Certificate Course Outline

This two-day seminar will teach you the theory of operation behind the slitting, leveling, shearing and blanking processes. You will receive a comprehensive overview of the coil slitting and leveling process with an in-depth look at techniques and practices that are sure to enhance your coil processing operations. Our expert instructor will guide you through the fundamentals of coil processing utilizing interactive instruction and videos of line operation.

Learning Objectives

Coil Storage and Handling Systems

- Review types/uses of coil storage and handling systems, as well as coil/strip propulsion systems.

Material Properties and Processing

- Examine strip tensioning and guiding, along with basic material properties and effects of chemistry.
- Analyze the effects of annealing, heat treating, and quenching on materials.

Slitting Lines and Systems

- Explore different types of slitting lines and their corresponding tensioning systems, separators, and scrap handling systems.
- Understand the slitting function and the various types of tooling, including basics of tooling setup and the use of stripper rings.

Cutting Processes

- Distinguish among cut-to-length, blanking, and multi-blanking processes, along with their specific applications.

Measurement and Defects

- Measure length and square accurately and identify material shape defects and their quantification methods.

Leveling Techniques

- Review the function and limitations of stretcher levelers, roller flattening, and precision roller levelers, including techniques for removing defects like buckles and waves.
- Investigate the different types of roller levelers and the principles of tension leveling and typical tension level systems.

