

ROLL FORMING BASICS

eLearning courses designed to increase productivity and profits

Learning made Simple, Visual, and Interactive

Roll forming is a metal forming process in which metal in the form of sheets, coil, or strips is converted into an engineered shape. The THORS Roll Forming Basics course is relevant for learners who are new to the industry, as well as experienced learners that require a deeper knowledge of the roll forming line equipment, the different machine configurations, and a deeper insight into the roll forming process and secondary processes carried out in the roll forming line. In addition, the course explores major defects and troubleshooting techniques that may occur during the roll forming process.

Credit Hours **2.5**

Learning Objectives

- Recognize the basic equipment used in roll forming process.
- Identify the different configurations of the roll forming machines and tools.
- Understand the steps involved in the roll forming process.
- Analyze the major secondary processes carried out in the roll forming line.
- Identify the various defects and troubleshooting in roll forming.

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I. Roll Forming Line

- Roll Forming Equipment
- Rolls
- Additional Equipment
- Types of Roll Forming Lines
- Roll Forming Machine Components and Configurations

II. Roll Forming Line Processes

- Roll Forming Process
- Secondary Processes

III. Roll Forming Defects and Troubleshooting

- Camber
- Bow
- Twist
- Flare
- Springback
- Herringbone
- Waviness
- Cracks
- Coating Peel-Off
- Coating Crack

