Press Brake Safeguarding

CERTIFICATE COURSE

FMA

Certificate Course Outline

At this one-day seminar taught by an industry expert, lessons are based on real-world shop applications to better understand machine safeguarding standards, industry safety requirements, and application-specific safeguarding system selection. You'll hear case studies of optimally safeguarded systems and learn about current technologies that maximize compliance, safety, and productivity.

Learning Objectives

Standards and Regulations

- Review history of the Occupational Safety and Health Administration (OSHA) and the American National Standards Institute (ANSI), including national and state-level implications and how they are interconnected.

Risk Assessment

- Demonstrate the ability to conduct risk assessments by performing Job Hazard Analysis (OSHA), understanding the objectives of ANSI B11.0 and B11.TR3, and applying learned concepts to case studies and real-world scenarios.

B11.3 Overview

- Review the organization of ANSI B11.3, including its effective dates, scope and definitions, general requirements, and principles of control reliability.

Individual Responsibilities

- Identify roles related to supplier obligations for design and construction, specific requirements for mechanical, hydraulic, and pneumatic brakes; as well as the duties of modifiers, personnel, and users in reconstruction and modification processes.

Installation, Set-up, and Maintenance

- Demonstrate knowledge of the processes for layout, installation, testing, and start-up, including setup requirements, written user plans, maintenance procedures, lock-out/tag-out protocols, die setup and operation (written SOP), back gauge operations, standard operating procedures, and necessary supervision.

Press Brake Operation, Application, And Uses

- Recognize different types of machines and their applications, as well as tooling variants.

Press Brake Safeguarding Definitions

- Define risk assessment, proper material holding, ¼" stroke safeguarding, safe distance and speed safeguarding, and engineered safety devices.