

# Machine Safety and Risk Assessment Training



## About Virtual Training

Machine Safety and Risk Assessment Training by MSS is simply the best, most complete, and detailed machine safety training available in the United States. This class will improve safety in your facility by increasing awareness of modern safety standards and enabling the increased use of engineering controls to reduce the risk of your machinery.

## Real World Examples

As time permits, our consultants include practical, real examples and illustrations from more than 30 years' experience inspecting, consulting, and conducting accident investigations in more than 500 plants across the US, Canada, Europe, and Asia-Pacific.

## Intended to Guide

- ✓ Safety Professionals
- ✓ Technical Personnel
- ✓ Engineers

## Learning Objectives



**Identify machine related workplace hazards**



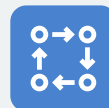
**Understand applicable U.S. machine safeguarding requirements**



**Inspect and recommend compliant machine safeguarding**



**Complete an OSHA/ANSI compliant risk assessment**



**Understand advanced concepts, such as:**

- Control reliability and functional safety
- Alternatives to Lock-out/Tag-out (LOTO - Hazardous Energy Controls)
- Industrial and collaborative robots
- Risk assessment and risk reduction strategies
- Liability and legal concerns

# 2 DAY TRAINING SCHEDULE



Live Online at Select Dates in 2025



<p><b>SESSION 1</b> <i>2025 DATES</i></p> <p>2/11/2025 5/13/2025 8/12/2025 9/09/2025 10/21/2025 12/09/2025</p> <p>12:30 PM - 4:30 PM ET</p>	<ul style="list-style-type: none"><li>• Why improve machine safety?<ul style="list-style-type: none"><li>◦ Injury prevention, compliance, the law</li></ul></li><li>• OSHA Basics of machine guarding (abbreviated)</li><li>• Hierarchy of controls w/ examples</li><li>• Hazard recognition: Basics, Intermediate, Advanced (embedded in training)</li><li>• What's in the Panel?<ul style="list-style-type: none"><li>◦ Introduction to Control Reliability, Category 3 circuits, and guard interlocks</li></ul></li><li>• U.S Machine Safety Standards (abbreviated)<ul style="list-style-type: none"><li>◦ OSHA 1910.147 / ANSI Z244.1 (minor servicing exception to LOTO)</li><li>◦ ANSI B11.19</li><li>◦ Introduction to Industrial and Collaborative Robot Safety: OSHA / RIA 15.06</li></ul></li></ul>
<p><b>SESSION 2</b> <i>2025 DATES</i></p> <p>2/12/2025 5/14/2025 8/13/2025 9/10/2025 10/22/2025 12/10/2025</p> <p>12:30 PM - 4:30 PM ET</p>	<ul style="list-style-type: none"><li>• U.S Machine Safety Standards (abbreviated) (continued)</li><li>• NFPA 79 - Emergency Stop Requirements</li><li>• Comparison of US and ISO/EU machine safety standards (abbreviated)<ul style="list-style-type: none"><li>◦ CE marking</li></ul></li><li>• ANSI B11.0 - Risk Assessment<ul style="list-style-type: none"><li>◦ Quantifying the risk</li></ul></li><li>• How to perform a Risk Assessment<ul style="list-style-type: none"><li>◦ Why do a risk assessment?</li><li>◦ Risk Assessment System</li><li>◦ Risk Factors: Severity, Exposure, Probability</li><li>◦ Risk Assessment spreadsheet tool overview</li></ul></li><li>• Conclusion and Wrap-up</li></ul>

Machine Safeguarding Experts

**Register Your Team Online Today!**

\*We also offer on-site or group specific training sessions that can be tailored to your company's safety needs.