



TOTAL MACHINE SAFETY™

ROSS CONTROLS

FACILITATORS

The same subject matter experts who developed the program also facilitate the program. Our pool of facilitators has professional experience and includes registered professional engineers, certified safety professionals and ANSI committee members.

PRICING

Open enrollment classes contact ROSS:

- First participant from a company: \$240
- Discounts are available for registering multiple students from the same company

On-site classes:

- Contact ROSS Controls

Each participant will receive:

- Comprehensive workbook with an extensive appendix of reference materials
- Certificate
 - Course accredited for 0.8 CEUs by M-TEC (Michigan Technical Education Center)

CONTACT INFORMATION

For more information, or to schedule an on-site course at your company, please contact Eric Cummings at eric.cummings@rosscontrols.com or (803) 622-1161.

UPCOMING EVENTS

Contact ROSS or visit www.totalmachinesafety.com

www.rosscontrols.com

TotalMachineSafety.com

INTRODUCTION

Total Machine Safety is the first integrated electrical and fluid power machine safeguarding training program. This comprehensive approach to evaluating and designing safety controls systems is critical in the overall success of a safety program.

An understanding of global safety standard requirements for lockout and machine guarding is critical to implementing safety systems that both protect employees and promote greater productivity. When safety is addressed in the machine design process you begin to realize that safety is just another aspect of good business practices.

WHAT'S IN IT FOR YOU?

You will learn to:

- Understand the existing global safety standard landscape and future direction
- Assess and minimize risk when evaluating machines for safety
- Examine work environments and recognize potential problems
- Grasp the basics of electrical and fluid power safety components
- Manage productivity and uptime by taking a holistic approach to machine safety

WHAT DOES THE PROGRAM COVER?

Total Machine Safety will cover topics such as Standards, Risk Assessment requirements, Lockout/Energy Isolation, Electrical and Fluid Power Safety Devices and applications, and overall machine safeguarding requirements and solutions. This class will not cover detailed component specifications, detailed component selection, or specific detailed circuit design. It will however provide a broad basis and understanding of what is required from a design standpoint, how to implement a machine guarding process, and how to select the components that will most effectively provide a solution while avoiding common pitfalls.



Electrical



Pneumatic



Lockout/Tagout

WHO AUTHORED THE PROGRAM?

Subject matter experts from ROSS Controls and external partners developed Total Machine Safety.

ROSS Controls is a global designer and manufacturer of control reliable pneumatic valves and systems for industrial equipment.