



ROSS CONTROLS® and concern for machine safety...the two go hand in hand

ROSS has been designing and supplying the “industry standards” of safety products for pneumatic energy isolation (LOTO) and control reliable double valves for the metal-forming industry for clutch/brake applications and the general manufacturing sector for decades. Even before Federal and State Occupational Safety and Health Administrations (OSHA) existed, ROSS designed and supplied valves for energy isolation and mechanical press clutch/brake control valves that were later widely recognized as aids to companies for regulatory compliance in non-press applications. These are some of the most safety critical pneumatic valve applications in manufacturing today, and ROSS has been there to help make jobs safer for workers, helping to protect our customers’ investments in machinery, and increase productivity.



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TOTAL MACHINE SAFETY™

ROSS CONTROLS



A thorough safety system doesn’t end at the wire; it includes electrical, mechanical and user-related components. ROSS designed its Total Machine Safety (TMS) course to address all of these issues. With TMS, you will learn how to resolve safety issues, address machine safeguarding and increase profits at the same time - a winning combination!

WHAT DOES THE PROGRAM COVER?

The eight hour course is anchored on a fictional case study that addresses current safety standards, hazard & risk assessment, integration of safety devices, lockout/tagout, and pneumatic & electrical components.

COURSE AGENDA

Current Standards

Risk Assessment

- Risk Assessment

- Risk Assessment Examples

Safety Circuits

- Safety Circuit Considerations

Lockout/Tagout (LOTO)

- LOTO Procedures

- LOTO Alternatives Measures

Fluid Power

- Standard & Control Reliable Valves

Machine Guarding

- Equipment & Devices