Through our machine and process safety integration division,
we're now offering a 2-day training program,
and we call it...

Machine Safeguarding Skill Builders

2-Day Program:

Day 1 — Skill Builder Training **Day 2 — Machine Guarding Inspection**

STI is currently providing safety services for:

Alcoa
United Technologies
Tyco Plastics & Adhesives
Ingersoll-Rand

Who would benefit from this program:

- Corporate EH&S management
- Plant EH&S personnel
- Plant Managers
- Production Managers
- Manufacturing Engineers
- Supervisors

How you benefit:

By making your plant safe and productive. You will walk away with a greater understanding of methods of machine safeguarding and the correct applications of guarding devices.

Our experience:

STI has over 30 years of experience with the application and installation of safeguarding devices. We have real life "on the plant floor" experience in the design and installation of safety systems on just about every type of industrial machine or process that needs to be safeguarded.

We are members of several safety standards committees including:

ANSI B11 ASC Accredited Standards Committee

ANSI B11.1 Safety Requirements for Mechanical Power Presses - Safeguarding Performance Criteria for Design, Construction, Care and Use

ANSI B11.2 Hydraulic Power Presses - Safeguarding Performance Criteria for Design, Construction, Care and Use

ANSI B11.3 Power Press Brakes - Safeguarding Performance Criteria for Design, Construction, Care and Use

ANSI B11.4 Shears - Safeguarding Performance Criteria for Design, Construction, Care and Use

ANSI B11.12 Safety Requirements for Roll-forming and Roll-bending Machines

ANSI B11.18 Safety Requirements for Machine and Machinery Systems for Processing or Slitting Coiled or Non-coiled Metal, Strip, Sheet, or Plate

ANSI B11.19 Machine Tools - Safeguarding Performance Criteria for Design, Construction, Care and Use

ANSI B11.20 Safety Requirements for Integrated Manufacturing Systems

ANSI B11.TR3 Risk Assessment and Risk Reduction – A Guide to Estimate, Evaluate and Reduce Risks Associated with Machine Tools

ANSI B11.TR4 Selection of Programmable Electronic Systems (PES/PLC) for Machines Tools – Design, construction, care and use of programmable electronic systems for the safety related functions of machine tools covered by the B11 safety standard series

ANSI B11.TR6 Safety Control Systems for Machine Tools

ANSI B11 Ad Hoc ANSI Ad Hoc Group on Control Reliability

ANSI B11 Ad Hoc ANSI Ad Hoc Group on Emergency Stop Devices

ANSI B11 Ad Hoc ANSI Ad Hoc Group on Lean Manufacturing

ANSI/RIA R15.06 For Industrial Robots and Robot Systems – Safety Requirements

ANSI/RIA TR R15.106 Technical Report for Industrial Robots and Robot Systems – Safety Requirements – Teaching Multiple Robots

ANSI/ASSE Z244.1 Control of Hazardous Energy - Lockout/Tagout and Alternative Methods

OSHA Technical Editorial Board on Machine Safeguarding

OSHA Technical Editorial Board on Robotics

CSA Z460 Control of Hazardous Energy – Lockout and Other Methods

Please contact us to discuss your specific requirements and to receive a copy of specific references and testimonials.

1/714/693-1041
or sales@stimachineservices.com

STI MACHINE SERVICES
www.stimachineservices.com

Machine Safeguarding Skill Builders

2-Day Program:

Day 1: Skill Builder Training

Skill Builder Training is conducted at your facility and includes topics such as:

- Risk assessment
- Safe mounting distance of guards and guarding devices
- Stop time measurement
- Guarding device technology and applications
- Overview of control reliability and safety circuit performance
- General requirements for safeguarding
- Fixed and moveable guard requirements, and more

The process:

The process that has proven to be successful to safeguard a plant is as follows:

1. Educate responsible corporate and plant level personnel through training seminars on machine guarding,
2. Conduct a plant machine guarding evaluation to identify obvious concerns or imminent danger to employees,
3. Conduct a risk level assessment and create a risk reduction plan,
4. Implement the risk reduction plan,
5. Train operators and maintenance personnel on the care and uses of the new safeguarding systems, and
6. Periodic machine safety audits to ensure safe mounting distances and proper application of safeguards that may have changed due to a change in the process or the machine's uses.

The Machine Safeguarding Skill Builder program has the most impact when the corporate EH&S manager along with the plant-level safety people meet at one plant location. There should be a minimum of 10 people.

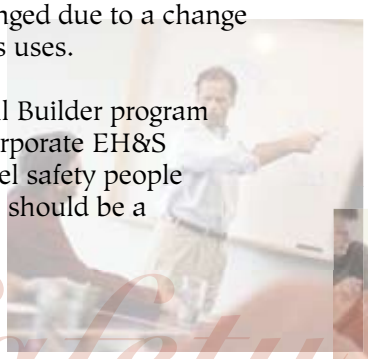
Day 2: Continued Training & Machine Guarding Inspection

After the Skill Builder Training is complete, the group goes to the plant floor to participate in the Machine Guarding Inspection. This is when you'll apply what you've learned by working side-by-side with a machine guarding specialist to evaluate some machines and their current guarding. After the evaluation, there is a group discussion to talk about and better understand what was found during the evaluations. After that, the only thing we ask is that you commit to correct your safeguarding discrepancies.

The inspection:

STI's goal is to help you make your plant more safe and productive, and the starting point for this is an initial review of potentially hazardous industrial machinery. The evaluation has the trained eye of a machine guarding specialist looking for obvious guarding discrepancies. The discrepancies are obvious to the trained specialist and may not be so obvious to plant personnel. Many of the discrepancies may be corrected by plant maintenance personnel, however, some may require additional expertise.

This guarding evaluation is not a risk assessment or risk reduction program and does not include a proposal to upgrade the equipment. The purpose of this inspection is to raise awareness of the obvious guarding short comings so that you may act accordingly to prevent injuries to personnel.



For more information, or to schedule a Machine Safeguarding Skill Builder, contact:

STI Machine Services at 1/714/693-1041
John Peabody at 1/714/809-0197