Machine Safeguarding Seminars

Understand how to safeguard your machines to meet standards and best safety practices

Learn what OSHA looks for during inspections

Determine the best types of safeguards for your applications and production requirements

Risk Assessment: How the level of hazard determines the safeguarding and much more!

ROCKFORD SYSTEMS, LLC

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ROCKFORD SYSTEMS’ QUALIFICATIONS

For many years Rockford Systems has been educating corporations throughout the world on machine safeguarding. Every year, hundreds of people attend these seminars. Participants come from a variety of areas including manufacturing, distribution, aerospace, insurance, government, and consulting. They include safety directors, plant managers, maintenance and engineering personnel, setup people, safety specialists, loss-control engineers, and safety consultants. Seminar instructors are very knowledgeable and have many years of experience in the machine tool industry.

IMMEDIATE BENEFITS

- Understand how to safeguard your machines to meet the standards and best safety practices
- Determine the best types of safeguards for your applications and production requirements
- Find out what OSHA looks for during inspections
- Be able to perform a machine risk assessment and hazard analysis
- Gain insight on how to incorporate ergonomics into your safeguarding
- Obtain safeguarding resources which can be used for future reference

MACHINE SAFEGUARDING SEMINAR

According to safety standards, when a machine creates a hazard to operators and other employees in the machine area, it must be safeguarded. Rockford Systems offers this machine safeguarding seminar to teach people in positions of responsibility how to safeguard the point of operation and other machine hazards to meet these requirements.

This 2½-day seminar explains how to interpret the performance language of both OSHA (Occupational Safety and Health Administration) and ANSI (American National Standards Institute) standards. Specific machine safeguarding situations are also discussed.

Classroom discussions are combined with live demonstrations of machines under power and audio-visual presentations. These teaching methods enable the participants to interpret the OSHA and ANSI standards as they relate to their specific machine applications and production requirements.

Over the years, Rockford has compiled over 1000 slides and computer images from manufacturing plants. These show workpieces being stamped, bent, machined, etc., with various safeguarding equipment in place.

DVDs and videos are used to define and clarify selected subjects. They offer unique and innovative ideas from which students can draw useful information. These training aids illustrate a broad spectrum of machine safeguarding applications.

ANSI B11–series safety standards are used as a guideline to explain how to safeguard metalworking machines.

The metal turning portion of this seminar primarily focuses on the ANSI requirements for chuck shields and chip/coolant shields on manually operated machines. Safeguarding by distance and location are also covered, as well as awareness barriers and devices, pressure-sensitive mats, emergency-stop devices, drop-probe devices, color-coding, warning signs, and training requirements.

Using ANSI/RIA R15.06 as a guideline, safeguarding methods for robots are discussed. This section includes the newly incorporated risk assessment/hazard analysis. An overview and interpretation of OSHA 1910.147 Lockout/Tagout and STD 1-7.3 are also included.

WHO SHOULD ATTEND?

- Maintenance Personnel
- Die Setup Crew
- Safety Specialists
- Setup/Operators
- Floor Supervisors
- Plant Managers
- Loss-Control Engineers
- Design Engineers
- Safety Directors
- Safety Engineers
- Manufacturing Engineers
- Production Personnel

QUOTES FROM PAST PARTICIPANTS

- The seminar has a lot of information on the safety of presses. Anyone with a press operation needs to attend.
- It was what I expected —very informative.
- Instructors are very knowledgeable.
- I thoroughly enjoyed the seminar and picked up a lot of very valuable information.
- Excellent presentation.
- Best training I’ve had in years.
- The hands-on experience was great!
- This seminar is, perhaps, the most comprehensive coverage that I have heard on this subject. The course is a “must” for anyone involved in machinery guarding or operational set-up.
LOCATION
Seminars are held at our Rockford, Illinois, plant, which is located 65 miles northwest of Chicago O'Hare Airport.

ON-SITE AND SPECIAL GROUP SEMINARS
Machine safeguarding seminars can be presented at your company and tailored to the types of machines in your plant. We can also conduct special seminars at our facility for your group or company. Please contact our training department for details.

TRAINING CENTER
Rockford Systems’ Training Center contains a number of machines including power presses, press brakes, an engine lathe, a Bridgeport mill, a drill press, a grinder, spot welders, and a riveter. These machines are under power for demonstration purposes. Most of these machines are equipped with more than one type of safeguard so the students can see how different guards and devices can be applied and used. They also provide hands-on experience for each student.

TRAINING INSTRUCTORS
Our instructors are well qualified, having many years of exposure to the machine tool industry. Their experience comes from working in the field with plant engineers, safety directors, and plant managers. Instructors are also involved with the writing and reviewing of various ANSI B11–series safety standards for machine tools.

REGISTRATION INFORMATION
The registration fee is $895.00 per person. This fee includes the seminar presentation and demonstrations, seminar materials including a safety distance guide and guard–opening scales, food and beverages during breaks, lunch on the first two days, and a certificate of completion. The registration fee does not include other meals, lodging or transportation. To enroll, use the registration form on the back page or visit www.rockfordsystems.com.

SEMINAR SCHEDULE
This seminar is held on the third Tuesday (8:30 a.m. to 4:30 p.m.), Wednesday (8 a.m. to 4:30 p.m.), and Thursday (8 a.m. to 12:30 p.m.) of each month.
All seminar dates and times are subject to change.

CONFIRMATION
Each student will receive a package of detailed information prior to attending. Maps and a list of over 15 hotels are provided for students to make their own hotel reservations.

OUTLINE OF SAFEGUARDING SEMINAR

Day 1  8:30 a.m. to 4:30 p.m.
- Welcome and Objectives of Seminar
- ANSI and OSHA
- Risk Assessment/Risk Reduction
- OSHA 29 CFR 1910.211, Definitions
- OSHA 29 CFR 1910.212, General Requirements for All Machines and Auxiliary Equipment
- Full-Revolution-Clutch Identification
- Part-Revolution-Clutch Identification
- Control Reliability and Brake Monitoring
- Electrical Component Requirements (NFPA 79)
- Point-of-Operation Safeguarding General Requirements
- Hand-Feeding Tools
- Design, Construction, Setting, and Feeding of Dies
- Inspection and Maintenance Records Training of Maintenance Personnel
- Instruction to Operators
- Reports of Injuries

Day 2  8 a.m. to 4:30 p.m.
- ANSI B11.2, Hydraulic Power Presses
- ANSI B11.3, Power Press Brakes
- ANSI B11.4, Shears
- ANSI B11.5, Iron Workers
- ANSI B11.6, Manual Lathes
- ANSI B11.7, Cold Header and Cold Formers
- ANSI B11.8, Drilling, Milling, and Boring Machines
- ANSI B11.9, Grinding Machines
- ANSI B11.10, Metal Cutting Machines
- ANSI B11.11, Gear Cutting Machines
- ANSI B11.12, Roll Forming and Roll
- ANSI B11.13, Automatic Screw/Bar and
- ANSI B11.15, Pipe, Tube, and Shape
- ANSI B11.16, Metal Powder Compacting Presses
- ANSI B11.17, Horizontal Hydraulic Extrusion Presses
- ANSI B11.18, Coil Processing Systems
- ANSI B11.19, Performance of Safeguarding
- ANSI B11.20, Manufacturing Systems/Cells
- ANSI B11.21, Machine Tools Using Lasers for Processing Materials
- ANSI B11.22, Turning Centers and CNC
- ANSI B11.23, Milling Centers and CNC Milling, Drilling, Boring
- ANSI B11.24, Transfer Machines
- ANSI/RIA B151.1, Horizontal (Plastic) Injection Machines
- BS ISO 14137 and JIS B6360 EDMs (Electrical Discharge Machines)

Day 3  8 a.m. to 12:30 p.m.
- ANSI/RIA R15.06, Industrial Robots and Robot Systems
- OSHA 1910.147, Control of Hazardous Energy (Lockout/Tagout)

SEMINAR MATERIALS
Each person attending this seminar receives a variety of information regarding machine safeguarding which includes the following:
- OSHA 29 CFR 1910.147 Lockout/Tagout
- Charts and graphs for future reference
- Safeguarding product catalogs
- U.S. Department of Labor memorandums
- Mechanical power press safety information card
- Safety distance guide slide chart
- Folding, stainless-steel OSHA and ANSI guard-opening scales
- Laminated function-testing checklists for safeguards
Registration for the dates of ________________________________

Company Name____________________________________________________________________________

Address Line 1____________________________________________________________________________

Address Line 2____________________________________________________________________________

City__________________________ State/Province/Region____________ ZIP/Postal Code_______________

Phone _____________________________ Ext. ______________ Fax _______________________________

E-Mail Address_____________________________________________________________________________

Registrants:
Name_______________________________________  Title/Position__________________________________

Name_______________________________________  Title/Position__________________________________

Name_______________________________________  Title/Position__________________________________

Name/Title of person making registration _____________________________  Phone __________________

Payment Options—Fees are payable in advance using any of the following forms of payment:

☐  Check enclosed payable to Rockford Systems, LLC  Check amount ______________________________

☐  Invoice company  Purchase Order No. _________________  Attn: _________________________________

□ Billing Address: _________________________________________________________________________

☐ Bringing check to seminar.

☐ Bringing credit card to seminar. Charge to:  ☐ American Express  ☐ Visa  ☐ MasterCard

Card No. _____________________________  Exp. Date _____________________________

Cardholder’s Name _____________________________ Signature _____________________________

Enrollments are limited and are taken on a first-come, first-served basis. Maximum class size is 35 people. Please call, mail, e-mail, or fax us to make your reservation.

By Phone: Call toll-free 1-800-922-7533

By Mail: Complete and mail the above form to:

Seminar Registrar
Rockford Systems, LLC.
4629 Hydraulic Rd
Rockford, IL  61109-2695

By E-mail: Complete and send form at our Web site

www.rockfordsystems.com

By Fax: Send copy of completed form to:

815-874-7890

Substitutions may be made at any time. Please notify seminar registrar with any changes.

On-Site Custom Seminars: We can present a shorter version of this seminar at your company. Please call us for details.