

Risk Assessment - Understanding and Conducting

A review of Risk Assessment and performing audits on machines

No.	Question	Yes	No	Not Applicable
	Separating Guarding			
1	Does the existing guarding adequately protect from known hazards?			
2	Is guarding properly installed to the machine and stable?			
3	Is guarding designed with the proper rigidity to prevent bending or deflection?			
4	Does guarding properly protect from possible emission or ejection of materials?			
5	Is guarding mounting using proper safety distance?			
6	Is fixed guarding secured with fasteners requiring a tool not common to an operator? (I.E. thumb screws, slotted or phillips head screws)			
7	Does fixed guarding have any sharp edges or is not properly maintained?			
8	Is the fixed guarding designed for the intended use and impact resistance?			
9	Does movable guarding have any sharp edges or is not properly maintained?			
10	Is movable guarding fitted with proper safety interlock switches?			
11	Is movable guarding designed to protect the safety devices? (I.E. Mechanical Key is protected on removable guard doors)			
12	Are interlock switches installed with positive break and positive mode mounting, where applicable and difficult to defeat?			
13	Is moveable guarding designed for ease of use?			
14	Are there any miscellaneous attributes associated with Separating Guarding either by standard, reference or company guidelines that is not compliant?			
17	Non-Separating Guarding			
1	Has proper distance been calculated using Minimum Safety Distance Formula specific for the			

Understanding machine hazards and having the ability to qualify and quantify them, helps you establish a tool to identify machine hazards. This class works with your team to develop a version of a tool that you can use to perform machine safety assessments. Identify the hazards, while presenting ideas on how to remedy those hazards with proper guarding measures is key to having a successful machine safety program.

Let Schmersal help you take a step into the world of machine safety with this two day course.

Course outline:

- Risk Assessment Definition
- ISO12100 Hazards
- Work on a numbering matrix for risk quantification
- Develop Excel Risk Analysis Tool
- Go to machines and perform live risk analysis audits
- Documentation



A TÜV Certified Functional Safety Engineer for Machinery from our Engineering Services Group will be presenting this training. Their experience will bring the expertise that you are looking for in a machine safeguarding specialist.

For more information regarding this training or our other Engineering Services, please contact:

Mike DeRosier
 Engineering Services Manager
 Phone: (914) 500-9995
 E-Mail: mderosier@schmersal.com

Schmersal USA
 15 Skyline Drive
 Hawthorne, NY 10532
www.schmersalusa.com