

## Machinery Risk Assessment Workshop (1 day)

### Course Summary

This purpose of this workshop is to understand and put into practice principles for consistent systematic procedures for the assessment and control of risk as introduced in EN ISO 12100-1:2003, Clause 5 and established in ISO 14121 (Due to replace EN 1050 as the European Harmonised Standard for Risk Assessment in 2007).

### Objectives

Learning objectives of this course:-

- To understand the requirements of EN ISO 12100-1 Clause 5 – Strategy for risk reduction
- To develop a working knowledge of standards EN 1050 & its replacement, ISO 14121
- To develop an understanding of the relationship between hazards and risks
- To understand the range of hazards posed by machinery and manufacturing processes and how they may be identified.
- To understand the process of risk assessment, risk evaluation and risk reduction.
- To develop method of risk evaluation and recording.

### Who Should Attend?

This course is designed for designers, engineers, managers and users of machinery and manufacturing processes, in order that they may understand how to identify hazards and to assess and control risk.

### What Does The Course Include?

A comprehensive set of course notes, training CD, refreshments, lunch and a completion certificate.

### Content

- What is Risk Assessment?
- Risk Assessment as a problem solving “Tool”
- Definition of hazards & risk.
- Types of risks
- Identification of hazards
- Risk Control - Hazard identification, Risk Evaluation & Management
- Risk reduction by design & safeguarding
- Methods of Risk Assessment – Qualitative, Quantitative and FMEA
- Appropriate application of methods
- What are the meanings of “suitable & sufficient” and “reasonable practicability”?
- Assessing the safety systems ability to resist faults (to EN954-1)
- Recording and Documentation

### Booking Details:

Places will be provisionally booked by completing the online booking form. Confirmed bookings are made by faxing the signed booking form to 01527 595033. Alternatively you can post the form to the address below. This course is delivered by Wemtech, on behalf of the CE Marking Association, and has been endorsed by BSI. Further information on dates and costs are available on our website: <http://www.wemtech.co.uk/>