

# COURSE DESCRIPTION

**Safety**

## Course Objectives

At the end of the course the delegate will be able to:

- To provide a working knowledge of the European Machinery Directive and the Directives associated with it.
- To understand the “Essential Requirements” of Directives and the process of CE Marking.
- Familiarity with Harmonised Standards and their relationship with the “Essential Requirements” of Directives.
- Understand how the Machinery Directive is enacted in the United Kingdom.
- To understand the range of hazards posed by machinery and the related risks.
- To understand the process of risk assessment, evaluation and risk reduction.
- To design suitable guarding.
- To become familiar with protective techniques
- To design appropriate safety related parts of control systems.
- To design a suitable machine control panel based on EN 60204-1.
- To draw up adequate user manuals
- To verify that the machine meets with the Essential Health & Safety Requirements of the Directive(s).
- To compile a “Technical Construction File”.
- To draw up a “Declaration of Conformity or “Declaration of Incorporation”.
- To legally apply the EU CE Mark.

## Topical Outline

- Unit 1 – Europe & Directives
- Unit 2 – CE Marking
- Unit 3 – European Harmonised Standards
- Unit 4 – Risks Assessment
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## Duration

1 Day

## CE Marking for Machinery



## COURSE NUMBER: 8601

### Course Purpose

The objective of this course is to give Machine Designers the knowledge and tools to design safe machinery in accordance with European Union Machinery and associated Directives, and to declare compliance by CE Marking.

### Who Should Attend

This course is designed for machine designers, engineers & managers, in order that they are aware of the legal requirements defined by the Machinery related European Directives and are able to competently employ appropriate technical solutions and legally apply the EU CE Mark.

### Prerequisites

There are no prerequisites for this course.



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