

The following Module Training Matrix should help you decide on the best training programme:-

Appropriate suggested modules are indicated by the:

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Module	Module Title	Parts	Description	Level	Managers	Buyers	Importers (into EU)	Students	Machine Designers (Electrical)	Machine Designers (Mechanical)	Maintenance Engineers (Electrical)	Maintenance Engineers (Mechanical)	Choice
1	EU & Directives		Awareness of the aims of the European Union and their implementation using European Directives.	Foundation	b	b	b	b	b	b	b	b	
2 for manufacturers	CE Marking		The purpose of CE Marking and what suppliers of machinery must do to comply and be able to apply the mark.	Basics	b		b	b	b	b			
3 for users	Acquisition and the Safe Use of Machinery (PUWER98)	Part 1	Obligations of machinery users under the Provision & Use of Work Equipment Regulations (PUWER98)	Basics	b	b			?	?	b	b	
		Part 2	Undertaking a PUWER98 Audit	Basics							b	b	
4	Harmonised Standards		The roll of European Harmonised Standards in CE Marking & the relationship between UK, European and International standards.	Technical 1	b	b	b	b	b	b	b	b	
5	Hazards & Risks		Defining hazards and risks, their relationship & typical examples associated with machinery	Technical 1	b	b	b	b	b	b	b	b	
6	Risk Assessment		The process of Risk Assessment and the selection of suitable methods.	Technical 1	b	b	b	b	b	b	b	b	
7	Risk Reduction		Methods and processes of risk reduction related to risk assessment.	Technical 1			?	b	b	b	b	b	
8	Safety Related Parts of Control Systems	Part 1	To develop a clear understanding of the purpose, requirements and structure of a safety related part of a control system.	Specialist				?	b		b		
		Part 2	How to assess the required performance of a safety system in relation to the risks - Design & validation using the EN ISO 13849-1 process	Specialist				?	b		b		
9	Protective Devices		An overview of protective devices available and techniques in their application	Specialist				b	b	b	b	b	
10	Design of Control Panels	Part 1	The specification, planning, design, manufacture, testing and installation of machine control panels.	Specialist				?	b		b		
		Part 2	Overview of the details of EN 60204-1	Specialist extra				?	b		b		
11	Safety of Integrated Manufacturing Systems		Designing Integrated Manufacturing System incorporating 2 or more machines. - Based on EN ISO 11161	Technical 1	b		b	b	b	b	b	b	