



Bestseller

# City & Guilds 4 Day Machinery Safety Course



Courses are developed by Pilz, quality approved and certified by City & Guilds



Course accredited by the National Skills Academy for Materials, Production & Supply

Pilz has developed a course which is accredited by City & Guilds, that conveys all of the expertise needed to safeguard Machinery and Plant.

You will gain comprehensive knowledge from Risk Analysis to development of Safety Concepts through to correct safe implementation of Machinery and Plant.

### Safety begins with the Concept

Effective reduction of accidents begins at the concept stage of a Machine. The demands of Engineers and Operators must be determined early on, in order to develop cost effective Safety Concepts. The correct application of Standards and Regulations is of particular importance in this process.

### Gain a Machinery Safety Certificate with us!


Acquire the knowledge necessary to reduce risk and secure economic success. Important tips from experienced specialists are on hand to help with implementation.

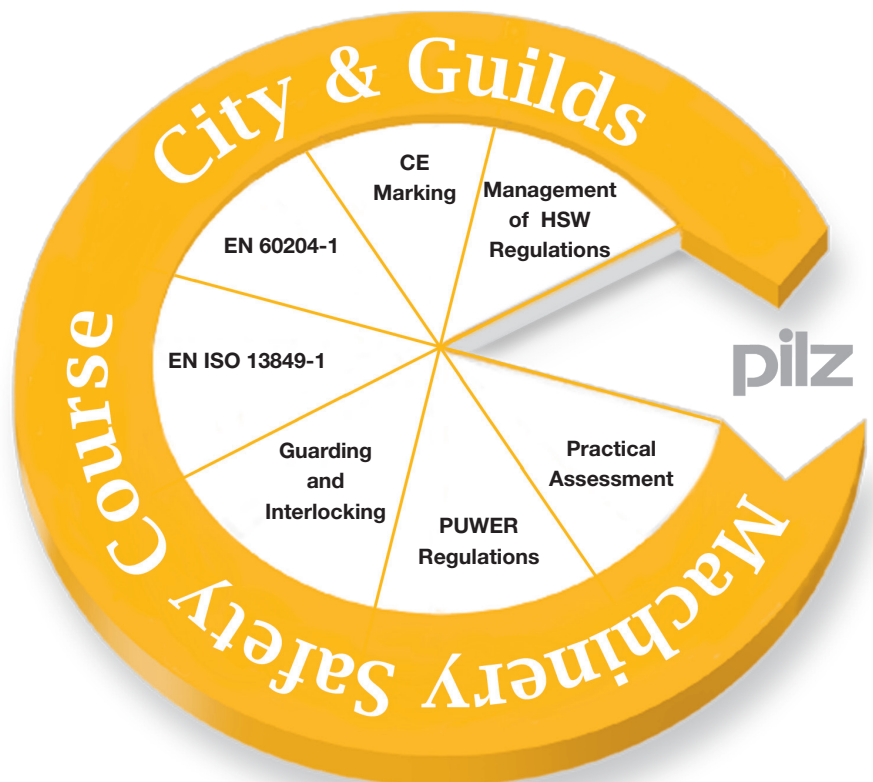
By completing the course, you will gain the necessary knowledge to understand the complete Machinery Safety Lifecycle from design to modification through to decommissioning.

### Certified in only 4 Days

Seven modules (see diag.) are covered with a combination of classroom sessions, practical exercises and examinations. Unit certificates may be issued on completion of individual modules. A City & Guilds Machinery Safety Certificate will be issued on successful completion of all seven modules.

### Be prepared with our new Safety Compendium

We recommend that you read our new Pilz Safety Compendium in preparation for the course. For further information and to download:  Webcode 3000



Pilz Safety Compendium:



Online information at [www.pilz.co.uk](http://www.pilz.co.uk)

## Scheduled Course Dates 2012

Courses are scheduled monthly at our UK Head Office. In-House courses are by arrangement.

### Pilz Training Centre, Corby

- ▶ January 16-19
- ▶ February 20-23
- ▶ March 12-15 & 26-29
- ▶ April 16-19
- ▶ May 21-24
- ▶ June 18-21
- ▶ July 2-5 & 16-19
- ▶ August 13-16
- ▶ September 3-6 & 24-27
- ▶ October 15-18
- ▶ November 5-8 & 26-29
- ▶ December 10-13

### Training Centre, Livingston

- ▶ October 1-4

### Training Centre, Durham CCC

- ▶ March 5-8

## Target Groups

- ▶ Electrical Engineers
- ▶ Mechanical Engineers
- ▶ Engineering Managers

## Course Contents

### Day 1

- ▶ Introduction
- ▶ Management of Health and Safety at Work Regulations
- ▶ CE Marking requirements covering Machinery, EMC and Low-Voltage Directives
- ▶ Harmonised standards structure
- ▶ Tests on modules completed throughout the day

### Day 2

- ▶ BS EN 60204-1 Safety of Machinery - Electrical equipment of Machinery
- ▶ EN ISO 13849-1 Safety of Machinery - Safety related parts of control systems
- ▶ Principles and aspects of machine guarding
- ▶ Tests on modules completed throughout the day

### Day 3

- ▶ Practical wiring exercises to the categories of the standard for E-stop circuits including fault monitoring

## What you can expect

- ▶ comprehensive Know-How covering the complete Lifecycle of a machine or plant
- ▶ complete technological competence when preparing safety solutions
- ▶ efficient, safety-oriented engineering
- ▶ highly practical approach
- ▶ certification in only 4 days

- ▶ Practical wiring session on guard switches, 2 hand control systems etc., including fault indication and monitoring
- ▶ Provision and Use of Work Equipment Regulations 1998
- ▶ Tests on modules completed throughout the day

### Day 4

- ▶ Risk assessments concepts and theory. Including BS EN ISO 12100. Application of safety devices
- ▶ Practical method of risk assessment
- ▶ Temporary safety measures

Online Information and Registration:

Webcode 2773

[www.pilz.co.uk](http://www.pilz.co.uk)

	Pilz Training Centre	In-House Training at your premises
<b>Course Reference</b>	010004T	010004T
<b>Duration</b>	4 Days <sup>1)</sup> Monday to Thursday: 9:00–17.00	4 Days
<b>Max. Delegates</b>	max. 8 people	max. 8 people
<b>Price</b>	£1100 plus VAT per Person	contact Pilz for a quotation (min. charge of 5 delegates plus travel expenses)
<b>Dates</b>	See above for scheduled dates or visit <a href="http://www.pilz.co.uk/services">www.pilz.co.uk/services</a>	By arrangement

<sup>1)</sup> Accommodation will be the responsibility of the attendees - see page 25 for recommendations



## ▶ City & Guilds 2 Day Managers Course



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Course accredited by the National Skills Academy for Materials, Production & Supply

Online Information and Registration:



[www.pilz.co.uk](http://www.pilz.co.uk)



### Training Objective

It is vital that managers of businesses are fully conversant with all aspects of the regulatory issues which affect their business, particularly in respect of providing safe plant machinery and work equipment, they also need to be conversant with risk management techniques that relate to machinery and work equipment safety. This is all brought together in a two-day course, which will enable candidates to develop a greater understanding of the current UK and European Legislation, so as to apply and demonstrate compliance in their organisations.

### Training Contents

- ▶ Management of Health & Safety at Work Regulations 1999
  - ▶ CE Marking requirements including Machinery, EMC and Low Voltage Directives
  - ▶ Provision and Use of Work Equipment Regulations 1998
  - ▶ Harmonised European Standards including BS EN 12100
  - ▶ Risk assessment concepts and theory including guidance on machinery guarding requirements
- ▶ Modules will be assessed by written examinations

### Target Groups

The course is suitable for managers & engineering managers who have responsibility for ensuring safety for new or existing machinery and work equipment under their control.

### What you can expect

- By the end of the course, the participants will
- ▶ be able to appreciate the principles of how machinery and work equipment must be made safe during all phases of its life
  - ▶ have developed knowledge on legislation and supporting standards, along with best practice guidance on machinery and work equipment safety issues
  - ▶ be able to appreciate the types of hazards machinery can produce and how they can evaluate this to provide suitable measures to remove or control the hazards effectively
- ▶ A unit accredited certificate may be issued on successful completion of individual modules
  - ▶ Each candidate on successful completion of the full course will be awarded a City & Guilds Certificate

	Pilz Training Centre, Corby	In-House Training at your Premises
<b>Course Reference</b>	010014T	010014T
<b>Duration</b>	2 Days <sup>1)</sup> 9:00 – 17:00	2 Days 9:00 – 17:00
<b>Max. Delegates</b>	max. 10 People	max. 10 People (dep. on facilities)
<b>Price</b>	£550 plus VAT per Person (min. day rate of £1100 plus VAT for company specific courses)	contact Pilz for a quotation (min. charge of 4 delegates plus travel expenses)
<b>Course Dates</b>	See schedule overview or <a href="http://www.pilz.co.uk/services">www.pilz.co.uk/services</a>	By arrangement



# ▶ City & Guilds 1 Day Supervisors Course

## Training Objective

Supervisors involved on the shop floor dealing with day-to-day plant and machinery operation need to be aware of the regulatory issues related to the safe use of machinery and work equipment under their control. This is all brought together in a one day course, which will enable candidates to develop a greater understanding of their current, UK and European Legislation so as to be able to apply these principles in a work environment.

## Training Contents

- ▶ Management of Health & Safety at Work Regulations 1999
- ▶ Provision and Use of Work Equipment Regulations 1998
- ▶ Risk assessment concepts and theory including guidance on machinery guarding requirements
- ▶ Some modules will be assessed by written examinations

## Target Groups

The course is suitable for supervisors who have responsibility for ensuring the correct levels of safety are applied for new or existing machinery and work equipment under their control, so the people they supervise can operate the equipment correctly and safely.

## What you can expect

- By the end of the course, the participants will
- ▶ have developed knowledge on legislation and supporting standards, along with best practice guidance on machinery and work equipment safety issues, with a focus on the Provision and Use of Work Equipment Regulations (PUWER) 1998
  - ▶ have an understanding of machinery guarding and risk assessment principles, from which the candidate will be able to appreciate the types of hazards machinery can produce and how they can evaluate this to provide suitable measures to remove or control the hazards effectively
  - ▶ A unit accredited certificate may be issued on successful completion of individual modules
  - ▶ A full City & Guilds Certificate will be issued on successful completion of the all modules



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*Course accredited by the National Skills Academy for Materials, Production & Supply*

*Online Information and Registration:*

 Webcode 2758

[www.pilz.co.uk](http://www.pilz.co.uk)



	Pilz Training Centre, Corby	In-House Training at your Premises
<b>Course Reference</b>	010015T	010015T
<b>Duration</b>	1 Day 9:00 – 17:00	1 Day 9:00 – 17:00
<b>Max. Delegates</b>	max. 10 People	max. 10 People (dep. on facilities)
<b>Price</b>	£275 plus VAT per Person (min. day rate of £1100 plus VAT for company specific courses)	contact Pilz for a quotation (min. charge of 4 delegates plus travel expenses)
<b>Course Dates</b>	See schedule overview or <a href="http://www.pilz.co.uk/services">www.pilz.co.uk/services</a>	By arrangement