Machinery Risk Assessment & PUWER Training

Fundamental

Course Accreditations:

- City & Guilds Assured
- Equivalent to 14 hours of CPD

The CPD Standards Office
CPD PROVIDER: 21955
2025-2027
www.cpdstandards.com

Objective

Day 1: Machinery Risk Assessment

The workshop equips the participants with the knowledge and skills with which to carry out the risk assessment of machinery in accordance with EN ISO 12100. The risk assessment is necessary and a fundamental aspect of machinery safety, as well as the first step towards complying with the legal regulations (Machinery Directive 2006/42/EC) and standards. This workshop uses images and videos to guide you through the risk assessment process on machinery – it's always interactive and practically based. The objective is to identify hazards and perform risk evaluations (degree of harm and probability of occurrence). This course also covers how to apply appropriate risk reduction measures and determine the residual risk.

Day 2: PUWER Training & Practical PUWER Application Workshop

The PUWER (Provision & Use of Work Equipment Regulations) section of the course aims to provide delegates with an overview of PUWER including parts 1-5, who is responsible, what duties are placed on them and what equipment the regulations apply to.

Contents

Day 1: Machinery Risk Assessment

- Directives and standards for risk assessment
- Application of the various assessment methods
  - Hazard Rating Numbers
  - Risk matrix
- Risk reduction and residual risk
- Established methods of risk assessment

Day 2: PUWER Training & Practical PUWER Application Workshop

This course covers the regulations within PUWER, and also various European standards that can be used to aid compliance.

- The background to the Regulations
- Work equipment suitability & risk assessment
- Maintenance
- Instructions & Training
- Dangerous parts of machinery & how to control the risks from them
- Controls and control systems
- Practical application and inspection of a machine in line with the current PUWER regulations
- Practical application of a risk assessment when conducting a PUWER Inspection in the workplace



Target groups

- Standards officers
- Design engineering managers
- Plant construction and control system design engineers
- Technical engineering managers
- Safety officers and specialists involved in workplace evaluation
- Technical purchasers (of machines and industrial plants specifically)
- Those responsible for upgrades and maintenance of plant and machinery
- Managing directors of machine engineering companies and control systems manufacturers

Benefits to you

- Comprehensive understanding of how to approach the risk assessment process using the relevant standards and knowing the required steps for performing a risk assessment on a machine
- Knowledge to evaluate the risk associated with specific hazards, to determine the required risk reduction and to identify residual risk
- Maximum practical orientation using interactive, actual case studies
- Understand the scope of the PUWER regulations and who they affect
- Understand what equipment is caught under PUWER regulations
- Outline the compliance criteria for power presses under PUWER
- Understand a method for compliance to PUWER

Note

Both elements of this training course - the Provision and Use of Work Equipment Regulations and the Machinery Risk Assessment according to ISO 12100 - can be run separately. Interested? Contact training@pilz.co.uk for more information.

Your optimum qualification path:



Introduction: Introduction to Machinery Safety

Fundamental: Machinery Risk Assessment according to ISO 12100 & PUWER Practical Workshop

Advanced: City & Guilds Assured 4 Day Machinery Safety Course

Expert: CMSE – Certified Machinery Safety Expert

Note: *Most Pilz UK courses, including this one, can be hosted at external locations. Travel expenses for the trainer would be included in the cost.*

Course Details:

Duration:	**2 days**
	9:00 – 17:00
Fee:	**£750+ VAT per person**
Number of participants:	Up to 10