



Machinery Safety

INSPECTION AND CERTIFICATION SERVICES

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SGS

Introduction

The Machinery Directive 2006/42/EC and the Supply of Machinery (Safety) Regulation 2008 are a legal framework established by the EU/UK that sets out the minimum requirements for the health and safety of machinery and specific parts. The regulations aim to ensure high safety for machinery operators, maintenance personnel, and anyone else who may encounter the machinery.

The regulations provide a comprehensive set of safety requirements and standards that are a means to achieve compliance. These standards include requirements for safety features such as guards, safety logic and warning devices, and instructions for use and maintenance. The regulations must be adhered to by manufacturers of machinery sold in the UK and EU. By complying with the regulations, manufacturers ensure their machinery meets the essential health and safety requirements and can freely move and access the UK/EU market.

Machinery safety services

- Approved Body under the Supply of Machinery (Safety) Regulations 2008
- Annex IV machinery UKCA Type-examination certification
- Voluntary certification (CoC) for non-annex IV machines
- CE/UKCA marking conformity assessment support
- EN ISO 12100 risk assessment review
- EN 60204-1 Electrical equipment of machinery assessment and testing
- EN ISO 13849-1 Safety-related parts of the control system assessment, Performance Level review
- Compliance verification against C-type standards assessment (i.e. EN 415 Series for packaging machines, EN ISO 10218 Series for industrial robots, EN ISO 20430 for injection moulding machines, EN ISO 16092 Series for presses, EN 280 for Mobile elevating work platforms, etc.)
- Electrical verification testing of machinery according to EN 60204-1 (Continuity of the protective bonding, Fault loop impedance verification, Dielectric withstand test, Insulation resistance, Residual voltage, Leakage Current)

- Machinery noise measurement according to 2006/42/EC, SMSR 2008
- In use machinery assessment – Provision and Use of Work Equipment Regulations (PUWER) assessment
- Training (CE/UKCA marking, Machinery Directive 2006/SMSR 2008, EN ISO 12100 Risk Assessment, EN 60204-1 Electrical equipment of machines EN 60204-1, EN ISO 13849-1 Safety-related parts of control systems and Performance Level calculations, main designated/harmonised standards)
- Gap analysis and CE/UKCA audit on machines and production lines
- Design risk review
- Technical files review
- Worldwide on-site machinery audit and testing services
- Pre-shipment safety validation at FAT stages
- Bespoke machinery inspection to manufacturer and client specifications

Industries covered

- Manufacturing
- Food and Beverage
- Automotive
- Oil & Gas
- Metal forming
- Pharmaceutical
- Waste Recycling
- Plastics
- Chemical
- Mining
- Electronics
- and more

The SGS commitment

We strive to deliver outstanding value at every step in your project, we are committed to add value to your work by providing:

- Rapid turnaround time
- Value-based pricing
- Technical assistance
- Key account management
- Accurate timely reporting
- Quality and trusted test results
- In long-term partnerships our input will increase the return on your investment



When you need to be sure

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