



Safety Systems Technology

TÜV SÜD Product Service's machinery division consists of Laidler Associates and Safety Systems Technology, which offer consulting and engineering services to ensure compliance with relevant machinery safety legislation.

As UK market leaders in machinery safety compliance engineering, we have the knowledge and experience to design and install the most appropriate safety solutions using products from our wide ranging portfolio from leading manufacturers.

Our solutions can be supplied on a variety of levels:

- A complete safety solution including risk assessment, safety inspections and engineering project management, taking a machine through a full compliance procedure on your behalf.
- Engineering project management of a total solution. This involves designing, manufacturing and installing appropriate safety solutions to ensure full compliance with all relevant legislation.
- Supply and/or install appropriate and cost effective products to fulfil your requirements.

As we are not tied to any particular suppliers of safety products, we are able to source the most appropriate safety products to meet your requirements.

All solutions are manufactured in accordance with all current and relevant legislation and in accordance with all applicable EN Standards. All relevant documentation will be supplied with the solutions where appropriate.

Engineering Project Management

The project management service from Safety Systems includes the following engineering services, from providing design studies through to full turnkey projects:

- Project Definition and Design Studies
- Multidiscipline Project Management
- System Specification and Design
- Electrical Design and Build including control circuits
- Commissioning and Installation
- Ongoing Support and Training
- Modifications to ensure legal compliance



Safety Systems
Technology



Product Service

www.safetysys.co.uk www.tuvps.co.uk

Machine Guarding

Machine Guarding is more than just fabrication, it is a design solution to prevent access to dangerous moving parts. Invariably all guarding is bespoke in its need for fitting to existing machines or structures or to cover a specific risk. Safety Systems guarding design and installation engineers draw on decades of experience in the

design and fabrication of guard systems to produce a complete solution for increased machine safety. We know what is required and can offer a solution that covers everything from risk analysis, dimensioning and layout proposals to a turnkey installation with many unique advantages.

Our Benefits:

- Unique, one stop service
- Fully compliant solutions including relevant documentation
- Experienced and comprehensive, project management services
- Efficient turnaround times

ESPE Testing

Engineers from Safety Systems have vast experience of all types of machinery safety assessments and inspections and now offer a stand-alone ESPE periodic inspection and test service, which follows the guidance given in the HSE Guidance document: "HSG 180 Application of electro-sensitive protective equipment using light curtains and light beam devices to machinery".

The service includes:

- Inspecting the position to ensure the correct distance from the danger zone
- Ensuring additional safeguards are provided to prevent access to the danger zone from directions not covered by the ESPE
- Test the overall response time
- Test the detection capability
- Inspect the stopping performance monitor (if fitted)
- Inspect and test primary machine control elements to ensure correct functionality



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