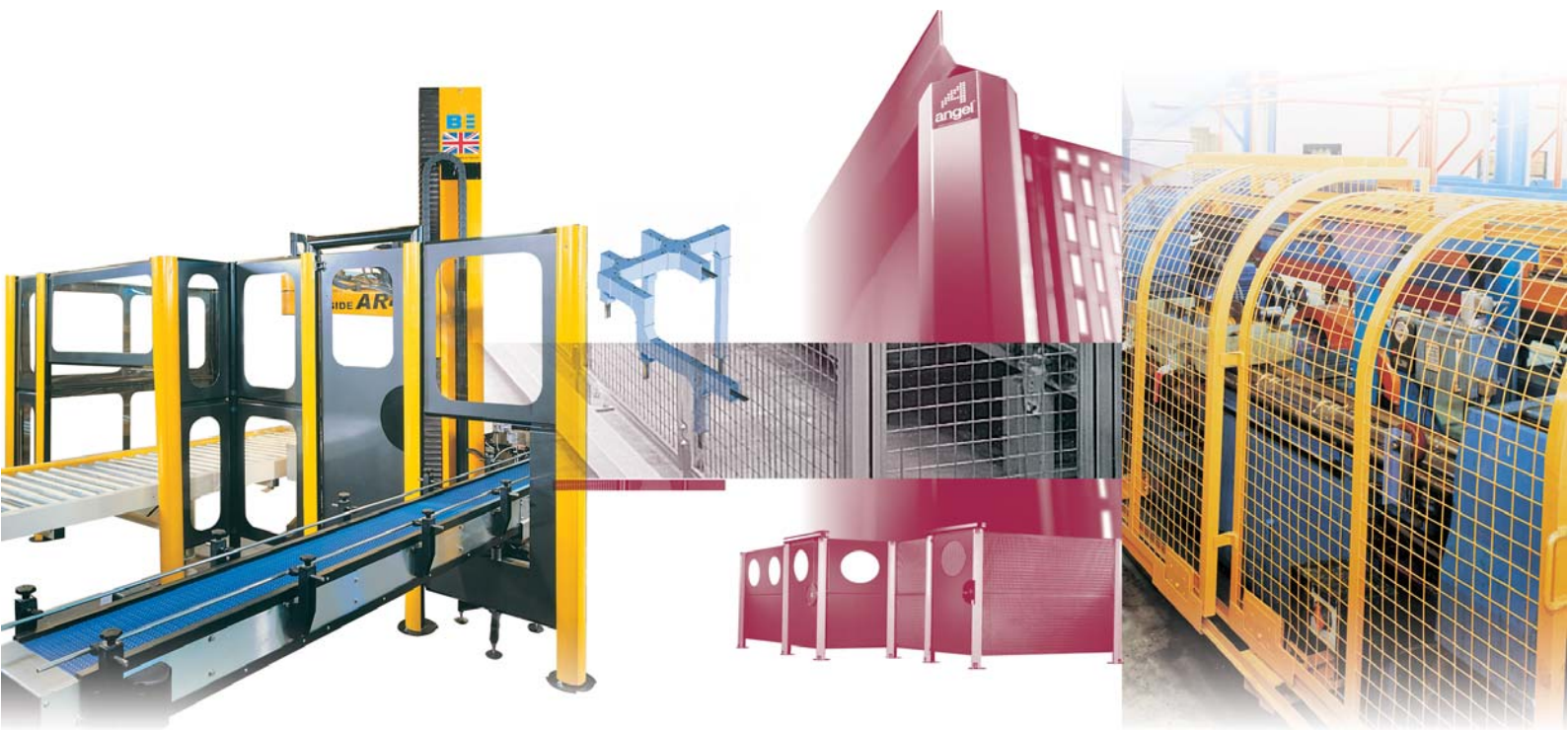




Machine guarding

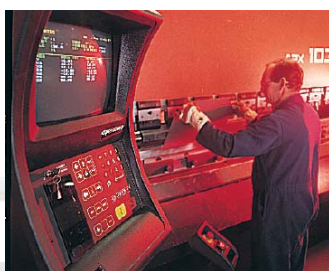
First Choice Solutions for Machine Guards



Machine guarding



First Choice Solutions for Machine guards



Procter machine guarding

Procter machine guarding is part of Procter bros., a family owned business established in 1740. Across our business and in all our divisions, we put great emphasis on both high product quality and outstanding customer service.

Procter machine guarding manufactures and supplies a very wide range of high quality products, from bespoke guarding through to modular systems. All are designed and manufactured in accordance with the latest health and safety requirements.

See www.machinesafety.co.uk

Our services - On site survey

Our experienced design engineers will visit the site to discuss the machinery's operational and maintenance requirements, and advise on the most appropriate guarding to comply with current standards. We do this for both new projects and an upgrade to an existing facility, as it ensures the proposed scheme will provide the optimum combination of safety and productivity.

Detailed quotation

A fixed price quotation is prepared (there are no hidden extras) detailing individual prices and the full material specification for each item of guarding along with a list of the relevant BS EN standards applied. A separate price is provided for delivery at a convenient time and, for most applications, a separate price is given for installation.

Design

Once we have the order, detailed design work is carried out either on site, or working on our CAD system using plant information supplied by the customer. If required, final designs can be submitted for approval prior to manufacture commencing.

Manufacture

All fabrication and manufacturing is carried out in our own factory, and by our experienced and skilled team in accordance with ISO 9000 quality assurance procedures. Our sheet metal shop is equipped with CNC punching and folding machinery to ensure that fabrications are produced with consistently fine tolerances.

Installation

Where required, our experienced team of fitters will install the guarding. This can be carried out at any time to fit in with planned maintenance or commissioning schedules.

The total Procter Machine Guarding service is accredited to BS EN 9001:2000, reflecting the company's commitment to deliver products and services meeting the highest possible standards.

Compliance

All machinery guards designed by Procter Machine Guarding come with a Declaration of Conformity, providing customers with the guarantee that their guards comply fully with current machine safety standards.

Machine guarding



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Perimeter guards

We offer a range of solutions for perimeter guarding applications. These include different specifications of framework using panels made from square tube, flanged hollow sections or angle iron, with support posts made from different steel hollow sections. Modular perimeter guard systems available include our own Angel™ system.

Sheet metal guards

Sheet metal guards are ideal for applications where swarf, coolant or cutting chips need to be contained. Viewing windows can be incorporated where necessary, and safe access can be provided by sliding or hinged doors.

Custom designed guards

For many machinery installations, there are no standard guards available. This is either because the machine is unique, or because of the way it is installed, operated, maintained or adapted to suit the user's individual requirements.



Mesh machine guards

Frameworks manufactured from robust steel tube or angle are infilled with wire mesh. Durable and cost-effective, Procter mesh guards provide excellent visibility of the machinery or process.

Access platforms

Individually designed for each application, Procter's cost-effective access platforms are complemented by steps and handrails as necessary.

Acoustic enclosures

Similar in style to sheet metal guards, acoustic enclosures are specially designed and constructed incorporating insulation to reduce noise emissions.

Machine guarding



First Choice Solutions for Machine guards



Stainless steel & polycarbonate guards

Guards manufactured from stainless steel and polycarbonate are ideal for applications in the food, drink and pharmaceutical industries, where hygiene and ease-of-cleaning are paramount.

Interlocks & lightguards

To ensure that access inside the guarded area is only possible when the machine is in a safe condition, we can supply all interlocks, light guards, pressure-sensitive mats and actuation equipment, either to the customer's specification or we can recommend suitable products.

Aluminium guards

In some industries there is a preference for lightweight guards manufactured using aluminium extruded framework in-filled with either mesh, sheet metal or polycarbonate. We are able to manufacture custom designed solutions or perimeter guarding systems of aluminium construction.





The industries we work with

Our machine guards protect workers across a very wide spectrum of industries including:

- Automotive, aerospace and component suppliers
- Building products such as bricks, tiles, cement, plasterboard and concrete products
- Food and pharmaceuticals
- Paper, board and packaging
- Machine tools, robots and automation equipment
- Steel, aluminium and other metals
- Electronic products and white goods

We also work directly for a number of high profile OEMs - a measure of our very high standards, as the guarding must of course match their equipment in terms of finish and overall quality.

Guarantee of Compliance

BS EN ISO 12100-1:2003

Safety of machinery. Basic terminology and methodology.

BS EN ISO 12100-2:2003

Safety of machinery. Technical principles.

BS EN 953:1998

Safety of machinery. Guards. General requirements for the design and construction of fixed and movable guards.

BS EN 294:1992

Safety of machinery. Safety distances to prevent danger zones being reached by the upper limbs.

BS EN 811:1997

Safety of machinery. Safety distances to prevent danger zones being reached by the lower limbs.

BS EN 954-1:1997*

Safety of machinery. Safety related parts of control systems. General principles for design.

BS EN 1005-4:2005

Safety of machinery. Human physical performance. Evaluation of working postures and movements in relation to machinery.

BS EN 1088:1995+A1:2007

Safety of machinery. Interlocking devices associated with guards. Principles for design and selection.

BS EN 614-1:2006

Safety of machinery. Ergonomic design principles. Terminology and general principles.

BS EN 614-2:2000

Safety of machinery. Ergonomic design principles. Interactions between the design of machinery and work tasks.

BS EN 999:1999

Safety of machinery. The positioning of protective equipment in respect of approach speeds of parts of the human body.

BS EN ISO 13849-1:2006

Safety of machinery. Safety-related parts of control systems. General principles for design.

BS EN ISO 14121-1:2007

Safety of machinery. Risk assessment. Principles.

BS EN 60204-1:2006

Safety of machinery. Electrical equipment of machines. General requirements.

BS EN 62061:2005

Safety of machinery. Functional safety of safety-related electrical, electronic and programmable electronic control systems.

PD ISO/TR 18569:2004

Safety of machinery. Guidelines for the understanding and use of safety of machinery standards.

***BS EN 954-1:1997** is due to be superseded and replaced shortly by EN ISO 13849-1, Safety of Machinery. Safety related parts of control systems. General principles for design.

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Further Information

Procter Machine guarding

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Procter fencing systems

Comprehensive service for security fencing, gates and barriers.

www.fencing-systems.co.uk



Procter caststone

Procter manufacture and supply high quality standard and bespoke cast stone architectural components.

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