

# MODULAR GUARDS



Modular Guards for Machinery and Other Industrial Applications



## Experience

Since 1956, Esmena has consolidated a solid organisational structure devoted to design, manufacturing and installation of all types of storage systems. From the very large high bay automatic structures to the long span shelving for boxes.



## Quality

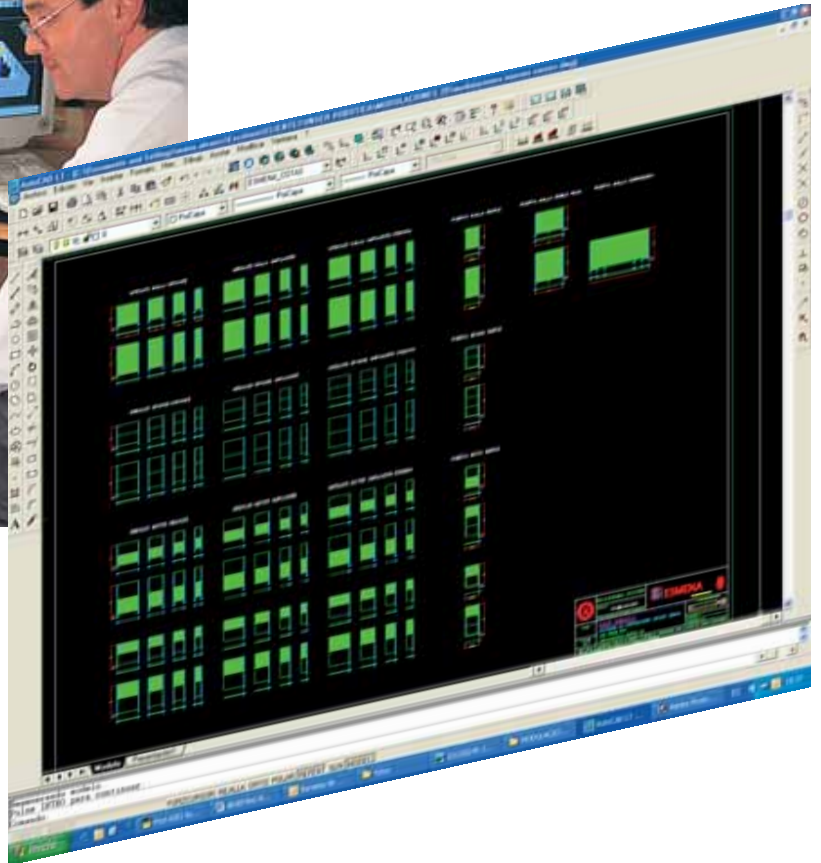
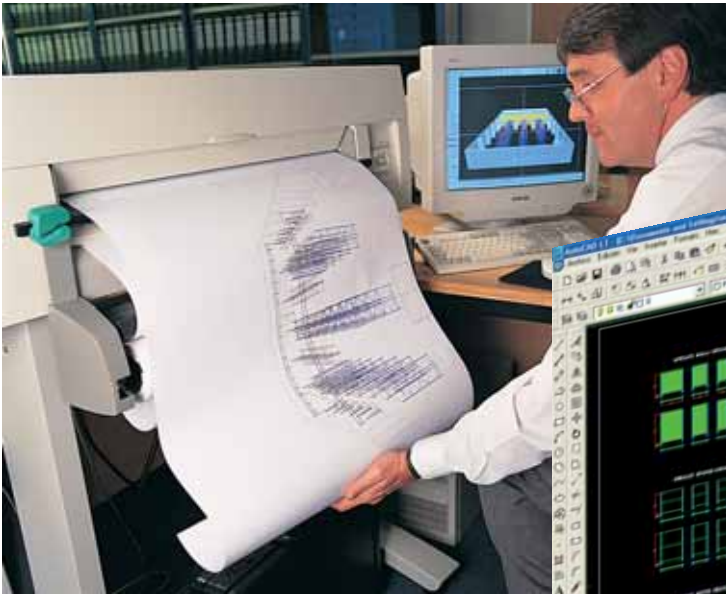
The concept of total quality established by Esmena as an internal rule embraces all the aspects of the value chain: Raw material, design, manufacturing, sales and installation of each structure. Esmena was the first European company of the racking field that achieved the certification ISO 9001, and it is also certified according to the standard ISO 14001 of the Environmental Management Systems.



## Product competitive

Our comprehensive manufacturing process automation leads us to one of the leaders in our field, being competitive in more than 50 countries on the 5 continents, as it corresponds to one of the world's largest racking manufacturers.

# Security and Versatility



## Design Standards

Our guards are designed to conform with harmonised european machinery safety standards:

ISO 12100, EN 294, EN 953, EN 811.

These requirements will help your machine to fulfil with the current Directive 89/392/CE.

## Features of our Guards

- Our design meets EU standards and all relevant requirements.
- A modular system that provides the versatility you need.
- Competitive prices.
- Easy and fast assembly.
- Short delivery times.
- Epoxy powder coated.
- Interchangeable mesh/opaque panels.
- Easy to expand and modify.

### The Importance of Guarding

If guards are well designed they will not interfere with efficient operation; ill-considered guards invariably do. Worse than that, poorly designed guards encourage operators, maintenance staff and management to bypass them, leading to poor production and high risks for all concerned. In practice, the way suppliers and users of machines can most easily meet their legal obligations to ensure that their machines, guards and other safety devices are designed to conform with harmonised European standards (Euro norms).

# Versatility as standard

Adaptable to all kinds of machinery and areas to be protected. Due to our flexible modular concept, we will be able to close your machinery by using the minimum of your valuable space, respecting the required safety distances.

Sheet metal guards are our solution to avoid exposure from x-rays of welding processes, retention of swarf and chips on cutting machinery and other applications which need a special eye protection.

Panels are available in a choice of several standard dimensions to virtually meet all requirements you may need.



Closure of control and maintenance area ▲



## More purposes

- Separation and internal divisions of working areas.
- Manufacturing processes with machines in movement.
- To protect areas with conveyors.
- Division of areas of residues classification.
- Closure of control and maintenance zones.
- Areas with chemical products.
- Substations, transformers and switch boards.
- Delimitation of loading zones.
- Closure of filling cabinets and storage areas.
- Closure of circulation areas for stackercranes.

▲ Protection of an area with conveyors

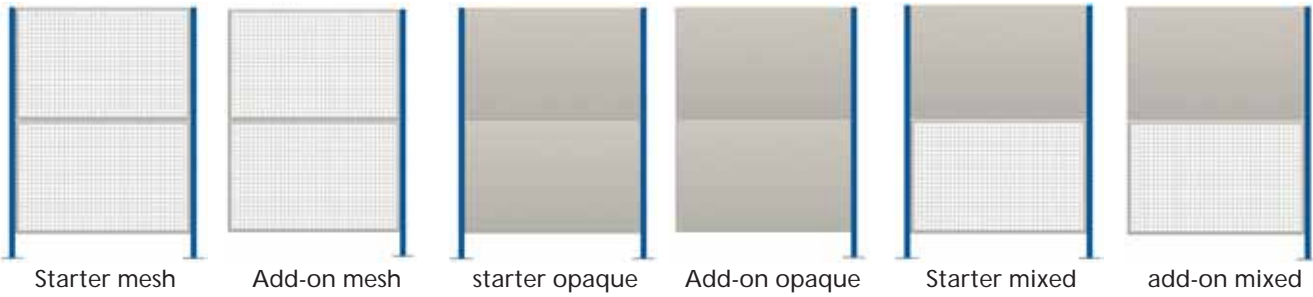
Area with chemical products ▼



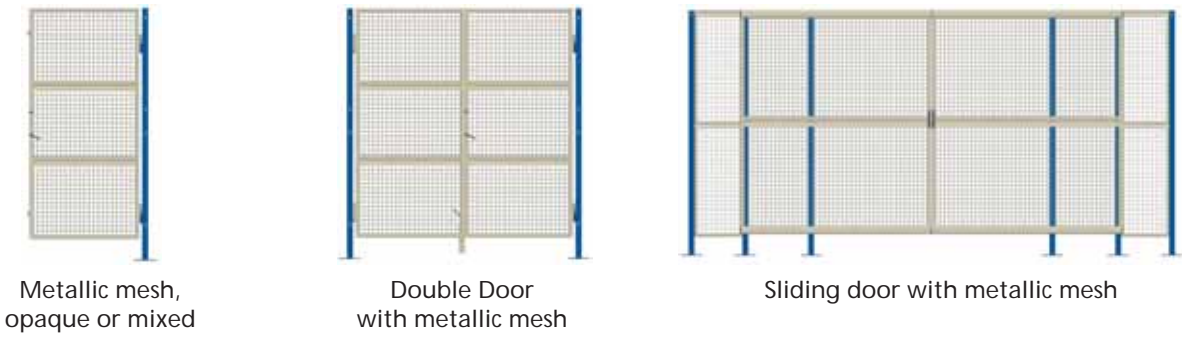
# Optimising your machine performance

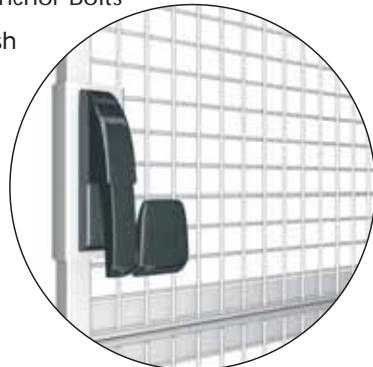
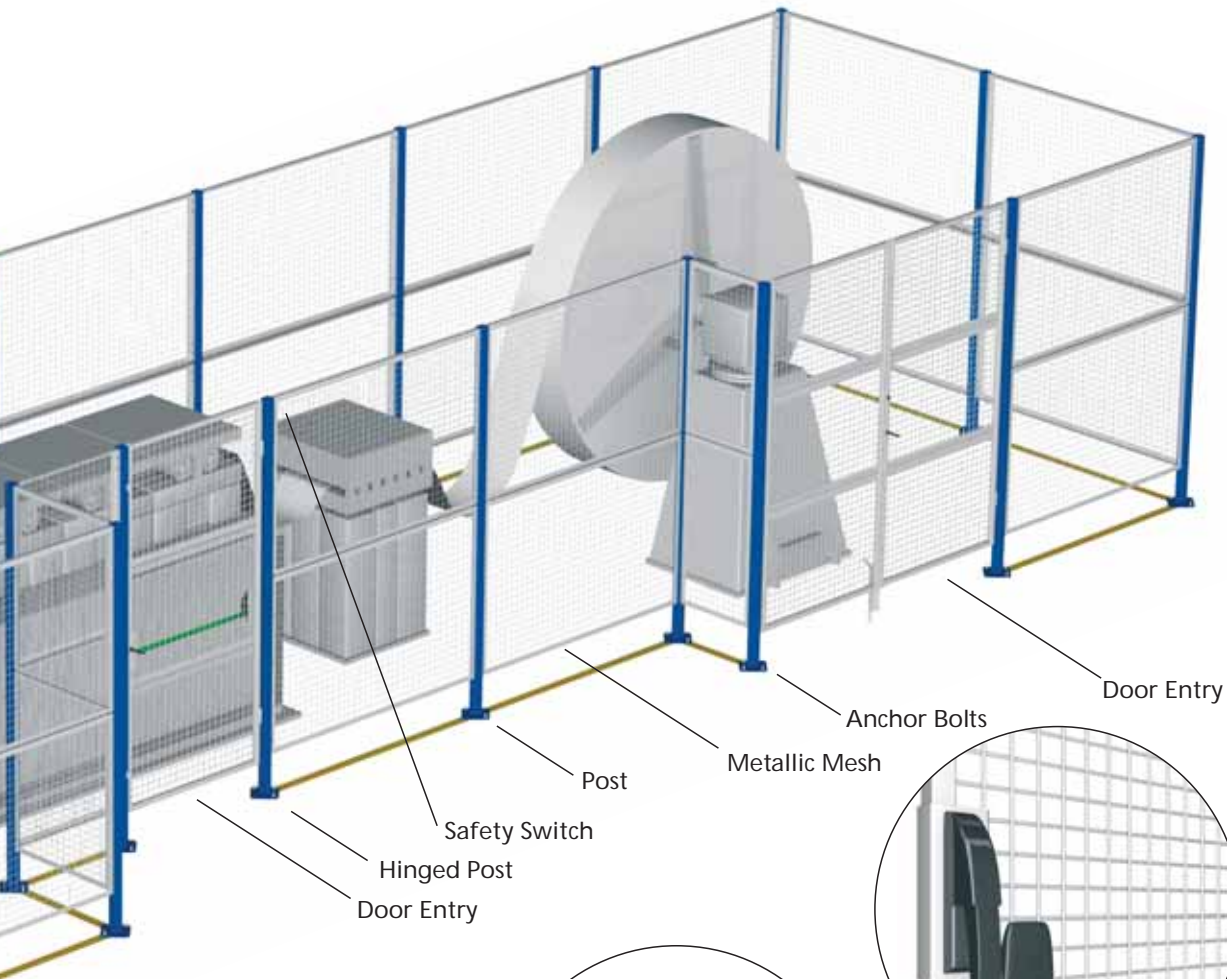


## Module Types



## Doors

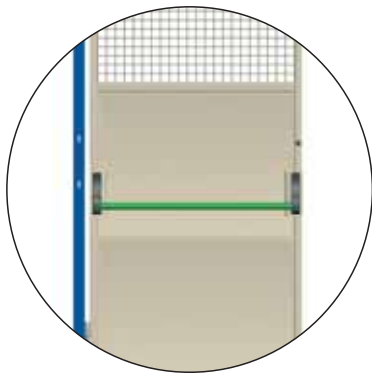




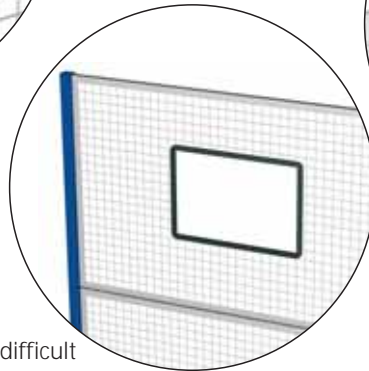
**Push Pad Lock**  
Very easy opening system with lock.



**Hinges Set**  
For a wide range of angles.



**Push Bar Lock**  
For installations that need high security and prompt evacuation.



**Plastic Rivet**  
A solution to overcome difficult perimeters on building site.






**Safety Switch**  
It enables the machine to be switched off by opening the door.

**Module Sizes**

Standard Heights (mm.)	Standard Widths (mm. *)			
2.200	1.520	1.033	754	486
1.600				

\*to post centre

**Standard Finish**

Post	Door	Panels
		
5019	7032	7032

\*Other non standard colours are also available

**Door Sizes**

Type	Measures (mm.)	
Single	1.033 (to post centres)	
Double	2.006 (to post centres)	
Double sliding	1.990 (free way)	5.396 (wide opened)



Cod.: E0069770



A Commercial Representative will visit you  
free of charge on request



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