

**MEGADOOR**

S800, S1000, S1500,  
Hangar doors



# Megadoor

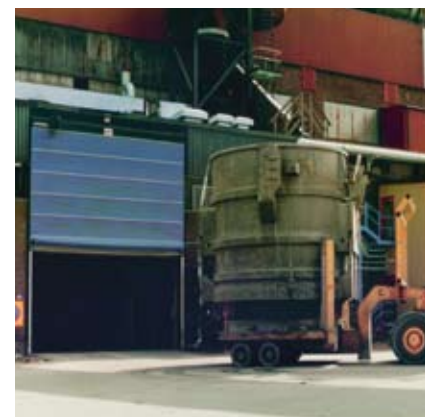


*The Megadoor is a vertical fabric folding door with very high reliability and minimal need for maintenance. The safety level is high with a built-in safety monitoring system. The Megadoor is extremely wind resistant due to its unique design and structure.*

*The product range includes Standard doors, Special doors and Hangar doors where there are almost no size limitations thanks to the Megadoor swing-up-mullion system.*

**The Megadoor concept**

Megadoor vertical fabric folding doors are designed for industrial environments where doors are exposed to moisture, cold and dust or where the door opening is very large. Megadoor is particularly suitable in steel and melting industries, mineral processing, shot blasting and paint facilities, recycling, energy plants, garbage handling, shipyard docks, pulp and paper plants, crane ways and aircraft hangars.

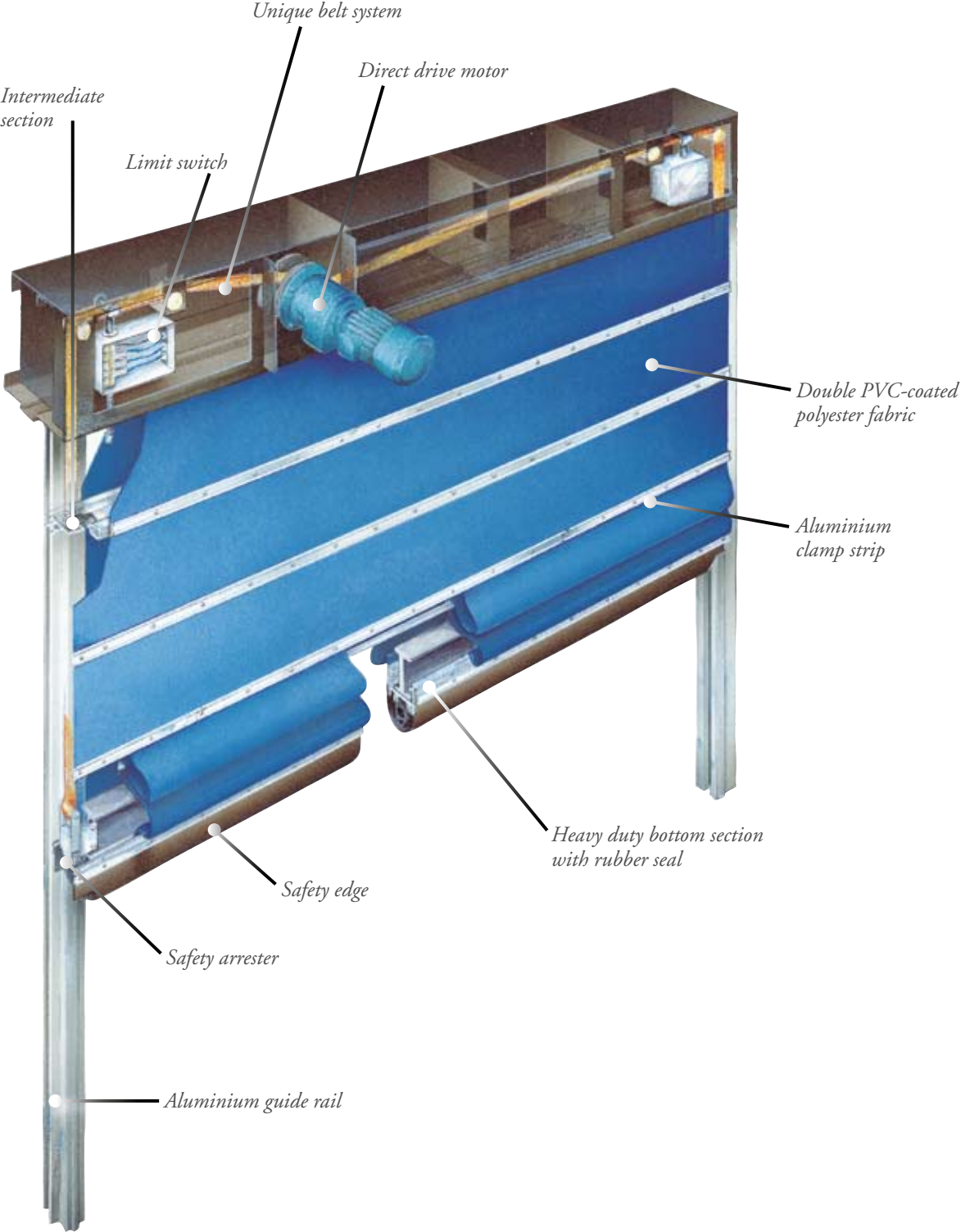


**History spot**

*The Megadoor vertical fabric folding door is a unique door concept. It was originally developed for a very rough and corrosive industrial environment – timber drying kilns. With temperature differences between the inside and outside of those buildings of up to more than 100 degrees Celsius, traditional industrial doors simply could not cope with normal performance requirements. The Megadoor is thus well suited for other harsh industrial environments. By introducing the "multiple mullion" solution, the Megadoor can be built in almost unlimited sizes, making it an ideal door for very large openings like aircraft hangars and shipyard docks.*



# Megadoor





### Basic construction

Megadoor is an electrically operated vertical fabric folding door. Two sheets of PVC-coated polyester fabric are supported by horizontal, extruded aluminum sections, which are fitted to the fabric with aluminum clamp strips. The door is constructed with solid, heavy duty and corrosion resistant components and a reliable electric system. The Megadoor complies with the requirements in the harmonized European standards.

### Function

The Megadoor slides up and down in weather-sealed vertical guides, which are attached to the building structure. It operates by lifting the bottom section upwards, thereby stacking the intermediate sections one on top

of the other. The fabric folds into pleats on both sides. Opening and closing speed is dependent on model and varies between 0.1-0.6 m/s. The Megadoor is designed with few moving parts and requires very little maintenance. Thanks to the unique design it is particularly suitable for environments with strong winds - the horizontal sections transfer the wind load to the vertical guides, which are attached to the building structure. The door can therefore be designed to withstand almost any wind load by varying the size and spacing of the intermediate sections.

### Multiple door systems

For certain applications and very large openings, it may be advantageous to split the door opening into two

or more smaller openings using the Megadoor swing-up mullion system.

This multiple door system offers increased flexibility in many building designs.

### Service and repair

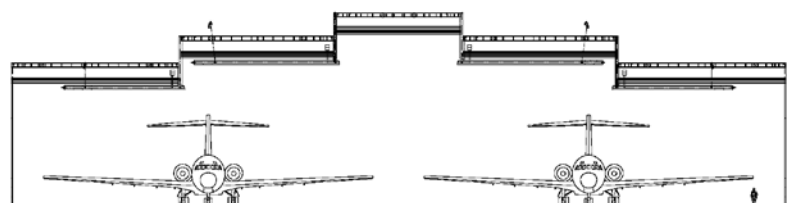
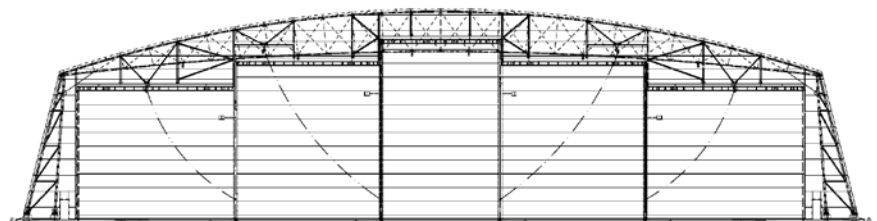
Regular maintenance is needed on all doors regardless of application, simply to obtain optimal functionality at all times and to reduce the number of unnecessary repairs.

Crawford's service organisation will take care of maintenance as well as urgent repairs in an efficient way with a minimum of delay for the customer.



*This hangar door is controlled by a PLC based control system.*

*Each door leaf is lifted by 2 gear motors. The fabric is white on the inside and grey on the outside. Door leaves are 290 mm thick. Thanks to the Megadoor mullion system the door can be partially or fully opened, depending on the actual need.*



# Megadoor S800 and S1000 Vertical fabric folding doors



*Megadoor S800 and S1000 vertical fabric folding doors are standardised for medium and large openings in industrial environments where doors are exposed to moisture, cold, heavy wind loads or dust. They comply with the requirements in the harmonized European standards.*



*Waste handling/recycling is a suitable application for the Megadoor. This photo is from a power plant that uses garbage for energy and electricity production.*

## Megadoor S800

### Dimensions

Door leaf thickness 100 mm.  
 Designed for daylight width up to 8.0 m and daylight height up to 12 m.

### Opening and closing speed

0.2 - 0.3 m/s. Double opening speed available as option (0.4-0.6 m/s).

### Door control

A reliable PLC based control system with self-diagnostic functions.

### Option examples

A number of manual and automatic control systems for opening and closing are available.

The door leaf can be provided with different fabrics for extreme heat, cold, sound reduction or security.

Vision panels, stainless steel parts for extremely corrosive environments, etc.

### Colour guide



RAL 3001



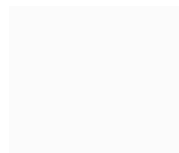
RAL 5005



RAL 7004



RAL 6009



RAL 9016



RAL 1001



RAL 1003



TRANSLUCENT

## Megadoor S1000

### Dimensions

Door leaf thickness 160 mm.  
 Designed for daylight width up to 14 m and daylight height up to 16 m.

### Opening and closing speed

0.2 - 0.3 m/s.

### Standard colours

White, blue, red, grey, yellow, tan, green and translucent white.

### Customer benefits

- Reliable in operation
- Minimum of maintenance
- Works in tough environments
- High air tightness
- Long lifetime
- High safety level
- Easy to repair
- Low operating costs
- No floor tracks



# Megadoor S1500 Special doors





Megadoor S1500 special doors are designed for individual customer needs, such as big opening size requirements. Typical applications are shipyards, heavy mechanical industries and crane ways.

The doors can be dimensioned for almost any wind load. In multiple door design, dimension possibilities are almost unlimited. Numerous reference objects are available on request.

The Megadoor S1500 special doors comply with the requirements in the harmonized European standards.

#### Dimensions

Door leaf thickness 290 and 580 mm. Almost no limitation to size or configuration. In multiple door design daylight widths are unlimited.

#### Opening and closing speed

Up to 0.2 m/s.

#### Standard colours

White, blue, red, grey, yellow, tan, green and translucent white.

#### Option examples

A number of manual and automatic control systems for opening and closing are available.

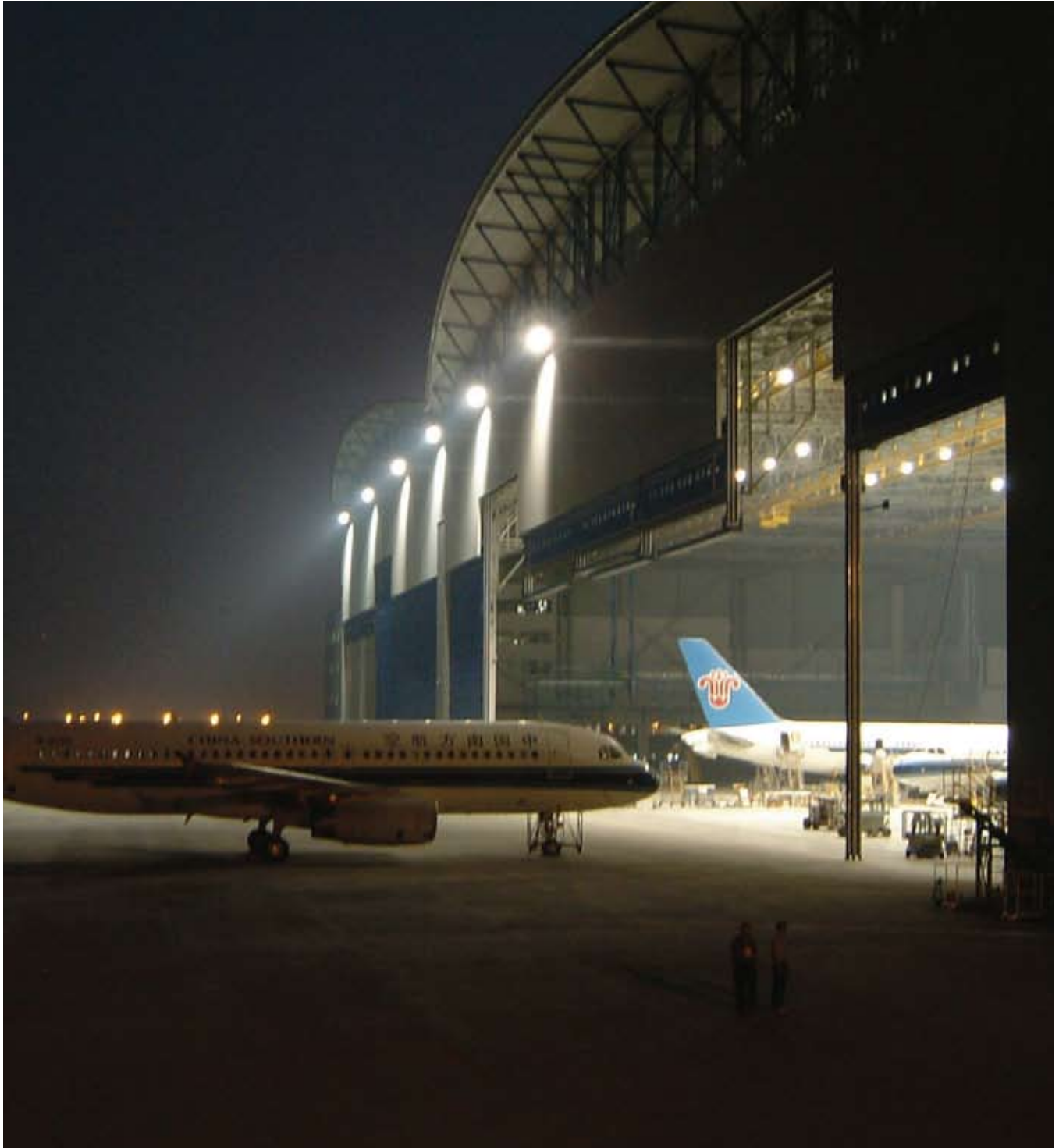
The door leaf can be provided with different fabrics for extreme heat, cold, sound reduction or security. Vision panels, stainless steel parts for extremely corrosive environments, etc.

#### Customer benefits

- Reliable in operation
- Minimum of maintenance
- Works in tough environments
- High air tightness
- Long lifetime
- High safety level
- Easy to repair
- Low operating costs
- Withstands high wind load
- Flexible door opening
- No floor tracks



# Megadoor Hangar doors



Megadoor Hangar doors are designed for individual customer needs, normally extreme size requirements. The simple, compact design and light weight of the Megadoor reduces the size and structural requirements of the building, thus dramatically reducing the overall building costs. The flexibility allows innovative hangar design.

The construction of a hangar can be reduced to a minimum around the aircraft shape (shaped hangar design). The doors can be dimensioned for almost any wind load. In multiple door design, dimension possibilities are almost unlimited – 3 multiple Megadoor systems delivered for one single maintenance hangar in China had the dimensions: width 96/144/95 m and maximum height 26 m. Numerous reference objects from civil aviation, military aviation and the aerospace industry are available on request.

The Megadoor Hangar doors comply with the requirements in the harmonized European standards.

### Dimensions

Door leaf thickness 290 and 580 mm, depending on size, windload



etc. Almost no limitation to size or configuration. In multiple door design daylight widths are unlimited.

### Opening and closing speed

Up to 0.2 m/s.

### Standard colours

White, blue, red, grey, yellow, tan, green and translucent white.

### Options examples

A number of manual and automatic control systems for opening and closing are available.

The door leaf can be provided with different fabrics for extreme heat, cold, sound reduction or security.

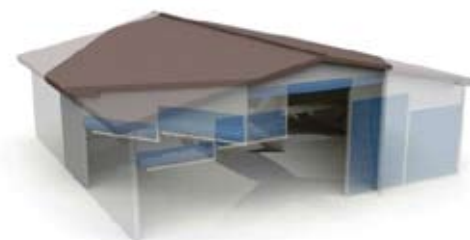
Other options are vision panels, pass-doors, self-diagnostic PLC control systems, stainless steel parts for extremely corrosive environments and more.

### Customer benefits

- Reliable in operation
- Minimum of maintenance
- Works in tough environments
- High air tightness
- Long lifetime
- High safety level
- Easy to repair
- Low operating costs
- Withstands high wind load
- Flexible door opening
- No floor tracks

### Shaped hangars

With Megadoor multiple door systems it is possible to shape the hangar around the aircraft and so reduce the floor area by up to 30% and the volume by up to 50% in comparison to a conventional hangar. The cost savings are substantial.





*Megadoor provides innovative and reliable opening solutions in a forward thinking design that contributes to safe and excellent working environments, simplified opening flows, energy savings and a cleaner environment.*

*With 50 years of experience, Megadoor has a unique ability to provide tailor-made solutions for every need, facilitating a rational, uninterrupted flow of goods and people.*

*Megadoor is part of Crawford Group, a leading international provider of door and logistics solutions. Crawford Group has 3,000 employees and operations in 30 countries, with annual sales of approximately 4,2 billion SEK, and is part of the listed Swedish industrial group Cardo.*

**Megadoor Inc**  
665 Highway 74 South  
P. O. Box 2957  
Peachtree City,  
Georgia 30269, USA

Tel: +1 (800) 927-6342  
(770) 631-2600  
Fax: +1 (770) 631-9086  
sales@megadoor.com

**Megadoor AB**  
Servicegatan 6  
P.O. Box 383  
SE-931 24 Skellefteå,  
Sweden

Tel: +46 10 47 47 190  
Fax: +46 910 166 20  
sales@megadoor.se

**Megadoor**  
Beethovenstr. 55  
41061 Mönchengladbach,  
Germany

Tel: +49 (0) 2161 660 77 0  
Fax: +49 (0) 2161 660 77 66  
office@megadoor.com

[www.megadoor.com](http://www.megadoor.com)

