



**Scorpio Automation™**

[www.scorpioautomation.in](http://www.scorpioautomation.in)

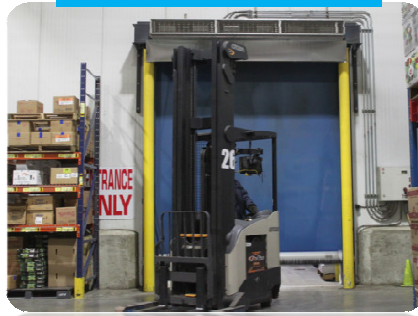
## High Speed Doors



## Industry



## Logistics



## Food



## Automotive



## Conveyor



## Clean Room



The roll up door is a product that seeks to solve the problems of fast handling in divided environments. The roll up door is a safe product that eliminates problems in the interaction between man and machines.

High Speed Doors carries out continuous research in different industrial environments, such as:

- The car wash industry, where deafening noise and annoying water vapor must be contained in a well- defined space
- The field of 'clean rooms', where the space must be totally aseptic (air 20-30,000 times cleaner than the external environment)
- The food industry, where it's to ensure continuous passage, hygiene and technical difficulties (such as surface condensation on the curtain in seasoning rooms)
- The automotive industry, where you must ensure that a correct sequence of tasks by robots and men is repeatedly carried out.
- The field of hospital hot rooms, where the speed and assurance of reliability is everything,
- in areas which require the use of an overhead crane, Forklift , in this environment there can be problems with carrying large materials between two different areas ( external / internal) , and so closing the opening of the passage of the crane can be very important to protect from weather and atmosphere
- Port / airport sectors, where large vehicles are closed and protected inside the hangar specific maintenance is carried out.



# Spiral doors and high-speed sectional doors

Fast external and Internal doors with Heat Insulation / Perspective AL Materials



The Spiral door offers high-speed operation for high-traffic situations and rigid aluminum slat construction that eliminates the need for a second security door. Crisp lines give the Spiral door a stylish look that's great for many types of commercial, automotive retail, government, institutional and industrial applications.

The Spiral is ideal for automotive dealerships, government, parking and security.

## Benefits

No metal-to-metal contact reduces wear on the door panel and offers fast, quiet operation.

Opening speeds up to 60 inches per second allow for improved traffic flow and enhanced customer perception.

## External door / internal door

### Size range

Max. Width (LDB) 6500 mm

Max. Height (LDH) 6000 mm

### Speed

With standard FU control AS 500 FU E

Max. Opening speed 1.5 – 2.5 m/s

Max. Closing speed 0.5 m/s

### Resistance to wind load

max. 133 km/h

### Door leaf

#### Material

Steel sandwich construction, PU-foamed, DURATEC glazing optional

Depth 42 mm

Section height 225 mm

Hinge connections from approx. 3500 mm door width

### Door leaf colors.

Standard: White aluminium, RAL 9006

# Flexible high-speed doors

Internal door with SoftEdge and tubular drive



## Flexible high-speed doors

Flexible high-speed doors from scorpio have been designed for safe, efficient and lasting Operation. A standard light grille does away with the need for additional installations, such as a closing edge safety device, making the doors particularly easy to fit and service.

### External door / internal door

#### Size range

Max. Width (LDB)	6500 mm
Max. Height (LDH)	6000 mm

#### Speed

With standard FU control AS 500 FU E

Max. Opening speed	0.8 – 2.5 m/s
Max. Closing speed	0.8-2.5 m/s

Resistance to wind load  
max.

20m/S

#### Curtain PVC

Fabric thickness 1.5 mm

Vision panel thickness 2 mm

#### Curtain colors

RAL 1018 Zinc yellow

RAL 2004 Pure orange

RAL 3002 Carmine red

RAL 5010 Gentian blue

RAL 7038 Agate grey

# High Speed PVC Rolling Door

Internal and external door for large openings



## Flexible high-speed doors

Scorpio Automation doors are often requested by companies that absolutely require a crane to move from inside to outside a large storage for their work.

Crane typology doors are the most suitable solution on the market to make quick, functional and large openings.

This type of “crane” rapid door is applied to the entire perimeter opening, and it also considers the passage of the crane infrastructure, thus forming a door suitable to the expectations required by customers.

We work to provide our doors with the maximum flexibility, rapidity and wind resistance.

## External door / internal door

### Size range

Max. Width (LDB) 10000 mm

Max. Height (LDH) 6500 mm

### Speed

With standard FU control AS 500 FU E

Max. Opening speed 1.5 – 2.5 m/s

Max. Closing speed 0.8-2.5 m/s

Resistance to wind load  
max.

20m/S

### Curtain PVC

Fabric thickness 1.5 mm

Vision panel thickness 2 mm

### Curtain colors

RAL 1018 Zinc yellow

RAL 2004 Pure orange

RAL 3002 Carmine red

RAL 5010 Gentian blue

RAL 7038 Agate grey

# High Speed Fabric fold up Hanger door

Internal and external door for Industries



## Flexible high-speed doors

All the various types of industries are looking for a easy transition from one area to another with speed and functionality.

To open large and heavy folding doors several times a day is not a nice work, and also includes the loss of most of the time spent by workers.

Flexibility and speed of the opening is what You are looking for the fastest possible passage.

We also operates in heavy industry where You can pay little attention to maintenance, so we provides specific products to enable maintenance work to a minimum.

## External door / internal door

### Size range

Max. Width (LDB)	10000 mm
Max. Height (LDH)	6500 mm

### Speed

With standard FU control AS 500 FU E

Max. Opening speed	1.5 – 2.5 m/s
Max. Closing speed	0.8-2.5 m/s

Resistance to wind load  
max.

20m/S

### Curtain PVC

Fabric thickness	1.5 mm
Vision panel thickness	2 mm

### Curtain colors

RAL 1018 Zinc yellow  
RAL 2004 Pure orange  
RAL 3002 Carmine red  
RAL 5010 Gentian blue  
RAL 7038 Agate grey

# High Speed PVC Rolling Door

Internal and external door for Automotive



## Flexible high-speed doors

The automobile sector has been a source of study for the Scorio Doors that evaluated and reported in a study all the problems that could be present in this area.

Automotive companies must comply with numerous regulations to ensure maximum safety of personnel.

Applications range from products designed to direct human contact to those set electronically with machinery already present in the company: robotics synchronization.

We work to provide our doors with the maximum flexibility, rapidity and robustness.

## External door / internal door

### Size range

Max. Width (LDB) 6000 mm

Max. Height (LDH) 6500 mm

### Speed

With standard FU control AS 500 FU E

Max. Opening speed 0.8 – 2.5 m/s

Max. Closing speed 0.8-2.5 m/s

Resistance to wind load  
max.

20m/S

### Curtain PVC

Fabric thickness 1.5 mm

Vision panel thickness 2 mm

### Curtain colors

RAL 1018 Zinc yellow

RAL 2004 Pure orange

RAL 3002 Carmine red

RAL 5010 Gentian blue

RAL 7038 Agate grey



# High Speed PVC Rolling Door

Internal door for Food industry



## Flexible high-speed doors

Through the special rapid door for food business You get a wonderful product in industrial environments where You should get the minimum requirements of hygiene and protection of unauthorized personnel, as for exemple supermaket.

Since it is quite likely that in the area next to the door we can find unauthorized and untrained customers, we remind You that our doors provide great security.

### External door / internal door

#### Size range

Max. Width (LDB) 6000 mm

Max. Height (LDH) 6500 mm

#### Speed

With standard FU control AS 500 FU E

Max. Opening speed 0.8 – 2.5 m/s

Max. Closing speed 0.8-2.5 m/s

Resistance to wind load  
max.

20m/S

#### Curtain PVC

Fabric thickness 1.5 mm

Vision panel thickness 2 mm

#### Curtain colors

RAL 1018 Zinc yellow

RAL 2004 Pure orange

RAL 3002 Carmine red

RAL 5010 Gentian blue

RAL 7038 Agate grey



# High Speed PVC Rolling Door

Internal door for Clean Room



## Flexible high-speed doors

A level of cleanliness and sterility that is not comparable to any other place is essential in the sterile room, or better, the clean room.

An environment with a zero level of pollution, an area of experimentation that requires extreme cleanliness, where the air inside the rooms is ~ 20,000 times cleaner than outside air.

In the rooms that require a special clean air, access is allowed only to trained personnel.

Hygiene required in the rooms is higher than the one of operating rooms, and then our doors that protect the component inside its casings represent a competitive and secure product for the necessary requirements.

External door / internal door

Size range

Max. Width (LDB) 6000 mm

Max. Height (LDH) 6500 mm

Speed

With standard FU control AS 500 FU E

Max. Opening speed 0.8 – 2.5 m/s

Max. Closing speed 0.8-2.5 m/s

Resistance to wind load  
max.

20m/S

Curtain PVC

Fabric thickness 1.5 mm

Vision panel thickness 2 mm

Curtain colors

RAL 1018 Zinc yellow

RAL 2004 Pure orange

RAL 3002 Carmine red

RAL 5010 Gentian blue

RAL 7038 Agate grey

# High Speed PVC Rolling Door

Ideal for airport baggage carousels, conveyor openings, secured storage areas



## high-speed doors

high speed roll-up doors are space efficient and ideal for airport baggage carousels, conveyor openings, secured storage areas and other high security applications.

- high speed roll-up doors have a space efficient design.
- Unitized high-strength panels for optimum security.
- Designed for high-speed, high-cycle usage.
- Fully weather sealed.
- Electric reversing edge.
- PLC Controls
- Unitized interlocking slats with anodized aluminum exterior.
- Shock absorbing PVC interior surface and dense foam insulation.

### External door / internal door

#### Size range

Max. Width (LDB)	6000 mm
Max. Height (LDH)	6500 mm

#### Speed

With standard FU control AS 500 FU E

Max. Opening speed	0.8 – 2.5 m/s
Max. Closing speed	0.8-2.5 m/s

Resistance to wind load  
max.

20m/S

#### Curtain PVC

Fabric thickness	1.5 mm
Vision panel thickness	2 mm

#### Curtain colors

RAL 1018 Zinc yellow  
RAL 2004 Pure orange  
RAL 3002 Carmine red  
RAL 5010 Gentian blue  
RAL 7038 Agate grey

## DETAIL SPEC & TECH

- Power supply : single phase:220V /three phase:380 50Hz
- Power consumption : max 250W
- Opening & closing speed : 0.8-1.7m/s (optionally different opening speed upon request)
- Opening & closing frequency :1000-1500cycles/day Wind load:20m/s
- Ambient temperature :-20°C to +50°C

### Features:

1. The high speed rolling door opener has the soft start and soft stopping functions.
2. This rolling door is totally a new technology for its high speed and newly different design as ever available
3. Convenient manual operation in case of power failure.
4. 380V input power three phase motor is available
5. Many safety edges for photocell (infrared protection) and air wave switch, etc.
6. The running speed could be adjustable through the transducer.

Note	Spec/tech	Picture
DOOR OPERATOR	<p>Opening:0.8-2.1m/S.close:0.8-1.5m/s.(adjustable)</p> <p>Frequency : 120times/hour, 2time/minutes.</p>	
MOTOR	<p>Model : SM-200S-ZB</p> <p>Power supply : 220V-380V</p> <p>Motor power : 750KW- 3KW</p> <p>Insulation : B</p> <p>Gear Box material: iron</p> <p>Thermal protection : 120 oC</p> <p>Max lift height : 7 m</p> <p>Max output torque : 100-N.m - 200 N.m</p> <p>Output rotational speed : 140r/min- 192 r/min</p> <p>Max square metre : 20~40(m<sup>2</sup>)</p>	
control system	Inverter, PLC and other components	



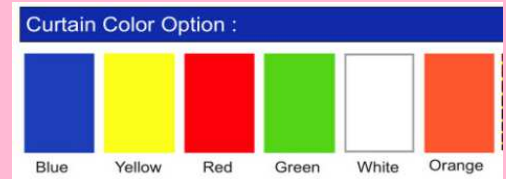
## frame

Thickness 2.0mm Galvanized Steel or  
Stainless Steel  
Baking varnish / Powder Coating /  
Brushed stainless steel  
Big Cover Frame :300X300MM  
Small Cover Frame :270X260MM



## curtain

1. Type of German Door Curtain
2. Thickness: 0.9mm
3. PVC Material
4. Maximum Resistant Cold Temperature:  
—40 °C
5. With High-tech Nanotechnology  
Double-sided
6. Never contamination dust, bright as  
new
7. Selected Color: Blue / Orange / Gray  
/ Yellow



## Transparent Curtain

1. Type of Transparent Door Curtain
2. Thickness: 1.5mm
3. PVC Material
4. Dimension Size: Width: 0.7M,
  - Surface smooth and flawless
  - Good at Visual transparency



## safety

Safety sensor -installed on the side  
tracks, with emergency stopping reaction  
when sensing obstacles.  
safe edge bottom- when the people or  
vehicle touch the bottom edge of falling  
door, it bound up automatically  
emergency stop protection- with  
emergency  
stop button on control panel



## sealing

- ◆ Door curtain bottom is equipped with counterweight rib and epdm sealing strip, can be combined with all sorts of uneven ground closely
- ◆ seal brush are Installed inside the guides, besides



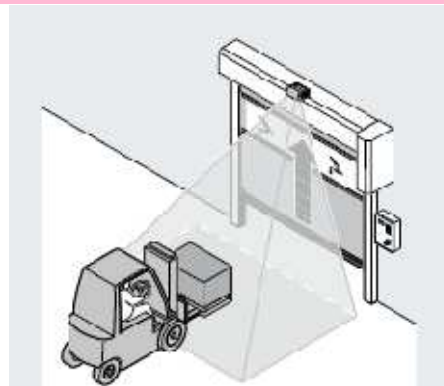
## Wind resistance

- ◆ with Cross bar, Wind resistance: 20m/S(maximum:30m/S)
- ◆ According to the size of the wind pressure to matching rib type and amount of wind resistance, wind resistance rib, the more the number, the stronger the wind resistance.
- ◆ the commander in chief special aluminum alloy rib, widen the rib size for 70 mm width, thickness of 20 mm, ordinary rib size for width 65 mm, 13 mm thickness, are in the same industry in terms of width and thickness of more than one times. The thickness of the wind resistance is better



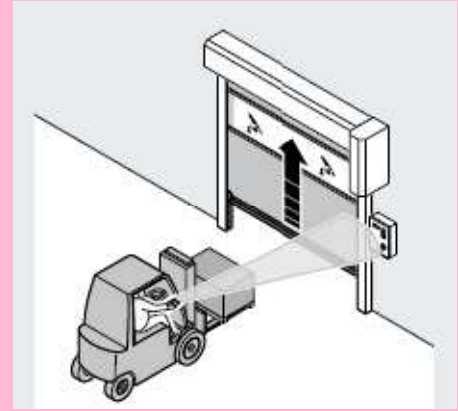
## Radar Sensor

Radar / presence detector Comfort Radar movement and presence detection with infrared detection, fast and targeted automatic door opening, reliable advance Protection, up to a height of max. 6 m, in areas with high levels of humidity and in outside areas, only the radar function is available, housing: protection category IP 65



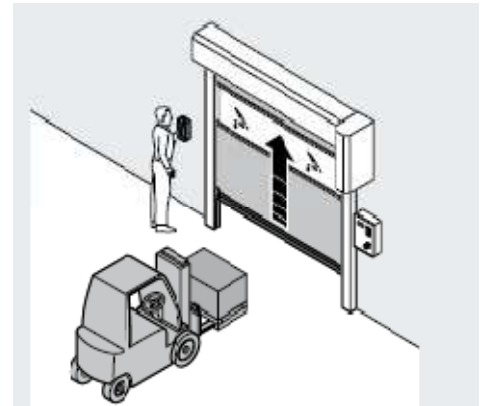
Radio  
remote  
controls

hand transmitter HS 4



Manually  
operated  
impulse  
generators

Push button 3 × “Open / Emergency-off /  
Close”  
Plastic housing, IP 65



loop  
detector

1. For induction to Metalwork, for  
example Forklift and Auto.  
2. Human and Animal cannot be  
sensored.

