
EUROPEAN
ENGINEERING
HIGH-SPEED
PERFORMANCE
HIGH SPEED
DOORS
JOIN
THE FUTURE.....
FMK
ENTRANCE

ABOUT US

With decades of experience in garage and industrial doors, FMK Entrance delivers high-quality solutions based on European standards of durability, innovation, and reliability. Our strength lies in combining door manufacturing with advanced automation systems, providing complete and efficient solutions for modern industry. Located in the heart of Europe, we offer flexible production, fast logistics, and strong technical support.

MOTION LINE HIGH-SPEED DOOR

Motion Line high-speed doors are designed for maximum speed, efficiency, and reliability. With operating speeds up to six times higher than standard industrial doors, they significantly improve workflow and reduce energy loss. They are ideal for logistics and warehousing, food and beverage production, cold storage, and retail environments. The doors ensure smooth and quiet operation, strong sealing, and high wind resistance, while requiring low maintenance and ensuring a long service life.

PROVEN EXPERTISE
MODERN FACILITY
STRATEGIC EUROPEAN HUB


FMK
ENTRANCE

PANELS

All designs are available with Stucco embossing for enhanced durability and a modern appearance. **The standard version is TBR244 V16 steel 40 mm.** The panel is equipped with an integrated thermal break for improved insulation, achieving a tested performance of K ≤ 0.5 W/(m²·K) and meeting national standard requirements.

Panel Height: 225 mm or 244 mm
Panel Thickness: 40 mm or 80 mm available next year
Construction: Bishell structure
Material: High-quality steel / aluminum sheet available on request
Internal Design: Flush
Surface Finish: Polyester coating

TBR 244

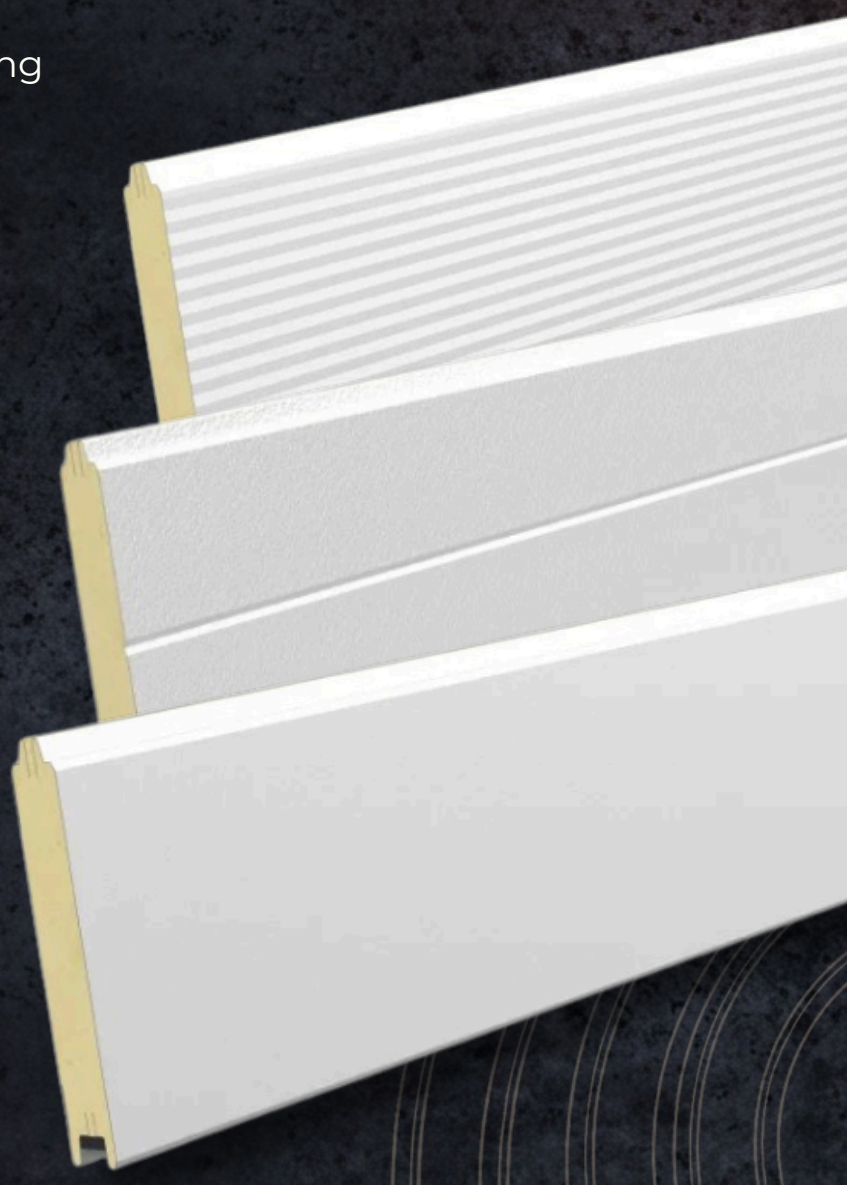
V16 (Smooth / Stucco optional)

TBM 244

Lined 122mm Stucco

TBX 244

no line Smooth or Stucco optional



tecsedo
dedicated to precision

COLOR OPTIONS

The panel features a symmetrical design and can be installed in either orientation to suit customer requirements. **Standard colours include white, silver, grey, and anthracite. The inner side of the door is white as standard.**

Additional colours are available upon request – any RAL colour can be applied according to customer specifications. Our advanced coating facility enables us to deliver custom colours tailored to your project needs.

RAL 9006

RAL 9010

RAL 9007

RAL 7016



TRACKING TYPES

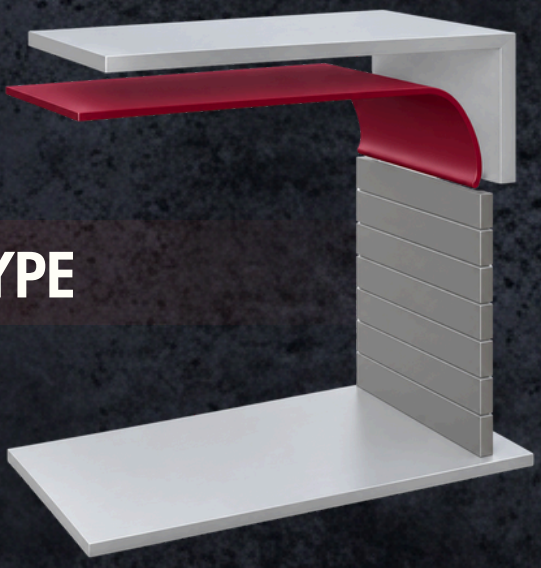
SPIRAL TRACKING TYPE



OVAL TRACKING TYPE



HORIZONTAL TRACKING TYPE



SPIRAL TRACKING TYPE

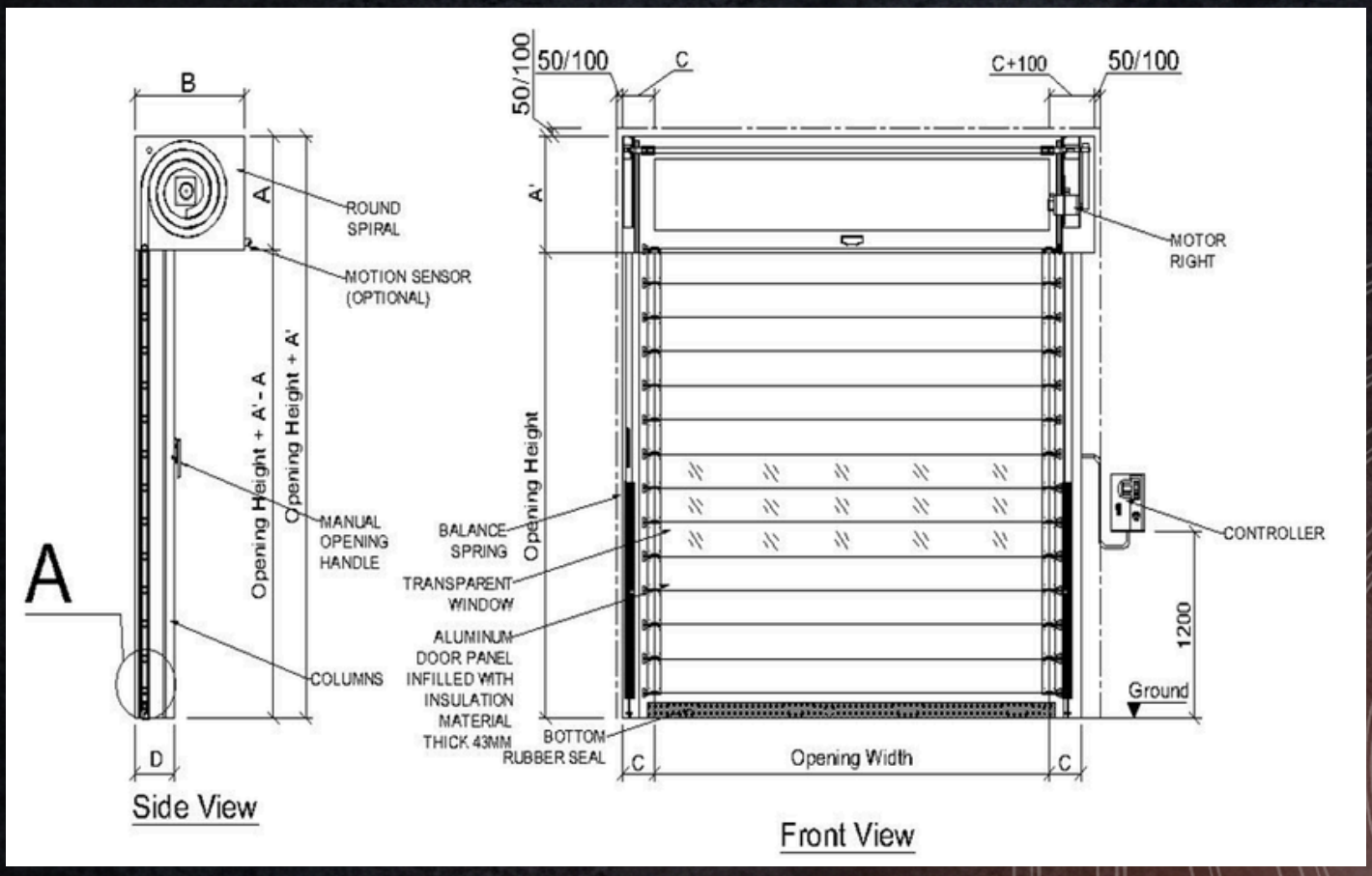
Designed for modern logistics centres and industrial facilities, our spiral high-speed doors combine rapid operation with a robust, functional design. The door panels move smoothly into a spiral overhead guide system, keeping the opening clear and supporting efficient daily traffic. Fast opening and closing help reduce waiting times and limit air exchange between indoor and outdoor areas.

HS40 – MAXIMUM DOOR DIMENSIONS: 6 × 6 M (W × H)
HS80 – MAXIMUM DOOR DIMENSIONS: 6 × 5 M (W × H)



MODEL TYPE HS40			
SPIRAL TYPE ROUND	4.5 m	5.5 m	6.5 m
OPENING WIDTH O.W./mm	≤ 6000	≤ 6000	≤ 6000
OPENING HEIGHT O.H./mm	4500	5500	6000
HEADER DEPTH B	986	1050	1122
HEADER HEIGHT A	903	963	1024
HEADER CLEAR HEIGHT A'	910	970	1030
NON-MOTOR SIDE	330	330	330
MOTOR SIDE	430	430	430
INSTALLATION RESERVED SPACE	100	100	100
COLUMN WIDTH C	330	330	330
COLUMN DEPTH D	350	350	350

Note: Total door height= Opening height + HEADER CLEAR HEIGHT A'



OVAL TRACKING TYPE

Designed for modern industrial and commercial environments, our oval high-speed doors combine fast operation with a clean, functional design. The door panels move smoothly into an oval overhead guide system, keeping the opening clear and supporting efficient daily traffic. A practical solution for warehouses, production facilities and logistics areas.

HO40 – MAXIMUM DOOR DIMENSIONS: 6 × 6 M (W × H)
HO80 – MAXIMUM DOOR DIMENSIONS: 6 × 5 M (W × H)



HORIZONTAL TRACKING TYPE

Designed for the demands of modern industrial and commercial environments, our horizontal high-speed doors combine fast operation with a clean, functional design. The door panels move smoothly into horizontal overhead tracks, keeping the opening clear and supporting efficient daily traffic. A practical solution for warehouses, production facilities, logistics areas, underground garages and parking facilities.

40 MM THICK PANELS – MAXIMUM DOOR DIMENSIONS: 6 × 3 M (W × H).









EMBEDDED control unit

Model: *EFDC10*

Features: 1. Embedded, saving space
2. Stainless steel
3. Protection level IP54
4. Weight 1.2KG
5. Dimension 340x85x75mm

HARDWARE SYSTEM

HINGE & GUIDE SYSTEM

HINGE SCREWS
Dacromet anti-corrosion coating
Prevents loosening and accidental drop

HINGE BODY
High-grade aluminum alloy
6 mm thickness



HINGE SHAFT
Carbon steel EN 10083-2 C40 (1.0511)
High load capacity

HINGE ROLLER
Injection-molded bearing inside roller
Fully encapsulated design

SHAFT SLEEVE
Wear-resistant, self-lubricating material

GUIDE ROLLER SYSTEM
Rollers on both sides of panel
Ensures alignment and smooth movement
Prevents lateral deviation

TRANSMISSION SYSTEM

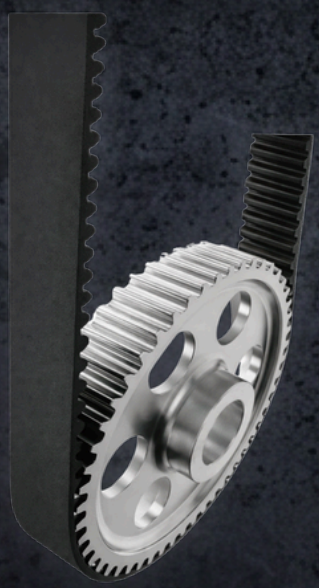
The transmission system is designed to ensure smooth, reliable, and efficient door operation. It features a 360° self-adjusting drive structure using a transmission belt, including an 8M toothed belt drive, which allows automatic alignment during installation.

The door panel is balanced by counterbalance springs, while hinges connect both sides of the panel to ensure synchronized movement and precise positioning across the full door width.

The connecting shaft is made of S355 structural steel and manufactured by hot forging, providing increased load-bearing capacity and enhancing the overall safety of the system.

The system is designed to reduce mechanical wear, minimize vibration, and ensure quiet operation.





BRAKE RELEASE HANDLE

The brake release handle allows safe manual unlocking of the door in the event of a power failure or emergency situation. For manual operation, the handle must be fully pulled to disengage the braking mechanism. Once released, the door can be moved smoothly and effortlessly by hand, ensuring continued operation even without electrical power.

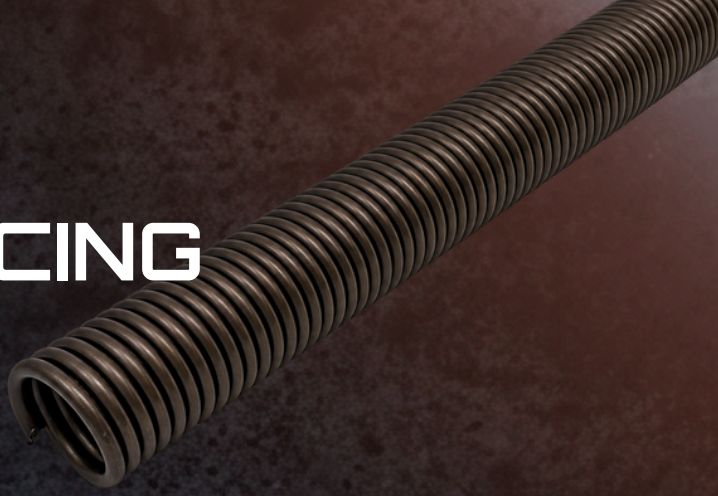


LIGHT CURTAIN

The safety light curtain provides reliable protection for industrial doors using advanced cross-beam detection technology. It is designed to ensure safe operation by detecting obstacles across the entire door opening. The system offers a protection height of up to 2 000 mm or 2 500 mm and an operating range of up to 10 meters, making it suitable for a wide range of industrial applications. With up to 50 optical elements, it ensures precise and continuous monitoring.



SPRING BALANCING SYSTEM



82B CARBON SPRING WIRE

Manufactured from 82B high-quality carbon spring wire, our torsion springs offer a superior alternative to the commonly used 65Mn steel. Each spring is precisely calibrated to match the weight of the door panels, ensuring reliable lifting performance cycle after cycle.

FATIGUE RESISTANCE AND MATERIAL DURABILITY

Thanks to its metallurgical structure, 82B spring wire resists rebound-induced fatigue, helping maintain stable performance even after extensive use. This is especially important for heavier aluminum panels, which place greater demands on the lifting system.

OPERATING CYCLE RATING AND WARRANTY

Our carefully engineered torsion springs are backed by a one-year warranty or up to 150,000 operating cycles, regardless of panel configuration.
Precision in every spring. Reliability in every cycle.

MOTION LINE MOTOR & CONTROL UNITS

MOTION LINE MOTOR

Engineered specifically for AC motor dynamics, the control unit converts electrical power into smooth and controlled motion. Each start and stop is precisely managed, with optimized acceleration and deceleration to protect both the mechanical components and overall structure, while extending service life. Rather than overpowering the motor, the system works in harmony with it, ensuring stability under load, seamless operation, and reliable performance in continuous duty. In demanding industrial environments, it delivers not just control, but a precise and engineered balance between power and motion.

Available in 3 power configurations:

- 1.5 kW
- 2.2 kW
- 3.8 kW

} 240V/50HZ



CONTROL UNITS

Standard

Two standard control units are available to accommodate different motor power ratings and door sizes. The PE 500 is designed for 1.5 kW motors and doors up to 15 m², while the PE 700 supports 2.2 kW motors and doors up to 36 m².



Smart *(Q2 2027)*

Features a built-in Wi-Fi receiver, wireless receiver, emergency stop button, main switch, and quick-access manuals via QR code, including F-linx smart control.



Embedded

Universal 380V control unit for industrial door automation with multi-brand compatibility and smart connectivity.



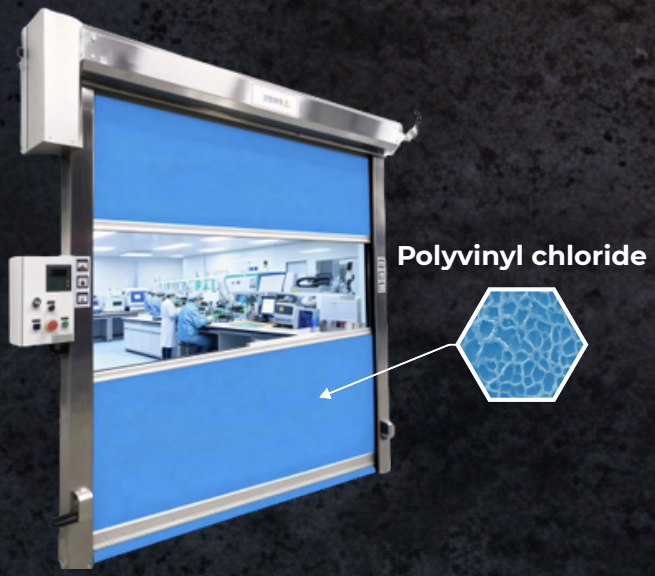


PVC DOORS:

PVC door curtains are manufactured from high-density PVC reinforced with a high-tenacity woven polyester inner core, providing exceptional resistance to tearing, wind loads, and mechanical wear. Engineered to perform across extreme temperature ranges, standard formulations operate from -10 °C to +70 °C, while low-temperature grades maintain elasticity down to -30 °C in cold storage environments.

Available types:

- Rapid Rolling Shutter
- Fast Folding
- Zipper-Type Rapid
- Free Collision-Avoidance
- Insulated



KEY FEATURES & INDUSTRIAL APPLICATIONS

Their smooth, non-porous surface meets strict hygienic standards while integrated clear vision panels ensure maximum safety and light transmission. Thanks to these versatile features, our customers frequently install these systems across a wide range of industries, including food processing, pharmaceutical manufacturing, cold-chain logistics, warehousing, automotive, and cleanroom environments.

RAPID ROLLING SHUTTER DOOR

Designed for fast and efficient access in industrial facilities, the Rapid Rolling Shutter Door combines high operating speed with a flexible PVC curtain. It is suitable for frequently used internal passages and helps maintain a clean and efficient working environment.



CHOOSE THE RIGHT SOLUTION

Ideal for industrial facilities requiring frequent passage between working areas and reliable separation of internal spaces.

Maximum size	4,000 × 4,000 mm
Operating speed	0.6–1.2 m/s, adjustable
Curtain	PVC
Window	Transparent PVC, 1.2 mm
Wind-resistant ribs	Aluminium
Frame	Galvanized steel / stainless steel
Infrared protection	Standard
Options	Remote control, magnetic loop, radar, pull switch
Interlocking / linked operation	Available

FAST FOLDING DOOR

The Fast Folding Door is designed for large openings where high operating speed and wind resistance are required. Its PVC curtain and folding lifting system provide efficient passage while maintaining a practical solution for demanding industrial environments.



CHOOSE THE RIGHT SOLUTION

A suitable choice for large openings where increased wind resistance and efficient opening cycles are required.

Size (w x h)	2000mm-7000mm x 2000mm-6000mm
Operating speed	0.5–0.8 m/s, adjustable
Curtain	PVC
Window	Transparent PVC, 1.2 mm
Wind-resistant ribs	Aluminium
Frame	Galvanized steel / stainless steel
Infrared protection	Standard
Options	Remote control, magnetic loop, radar, pull switch
Interlocking / linked operation	Available
Guiding system	Belt-wheel guiding
Lifting method	Folding lift
Control technology	Servo technology

ZIPPER-TYPE RAPID DOOR

The Zipper-Type Rapid Door is designed for frequent indoor use where high speed, sealing performance and safety are essential. Its flexible curtain and zipper-type guiding system allow the door to automatically return to its original position after displacement, helping reduce maintenance requirements.



CHOOSE THE RIGHT SOLUTION

Ideal for high-frequency indoor traffic where sealing, automatic curtain recovery and reliable operation are essential.

Self-repairing	Automatic repositioning after impact/displacement
Operating speed	0.6–1.5 m/s, adjustable
Curtain	Flexible curtain
Durability test	>1,000,000 cycles
Guiding system	Patented zipper-type guide

PVC FREE COLLISION-AVOIDANCE DOOR

The PVC Free Collision-Avoidance Door is designed for industrial environments with frequent movement of people, vehicles and material-handling equipment. Its flexible PVC panels absorb impacts while allowing convenient passage, and the door automatically closes after use.



CHOOSE THE RIGHT SOLUTION

Ideal for high-frequency indoor traffic where sealing, automatic curtain recovery and reliable operation are essential.

Door size	Custom-made
Opening direction	Single / double
Door material	Flexible PVC, 7.0 mm
Warning strip material	PVC-coated fabric, 0.8 mm
Door panel frame	SUS304 stainless steel, 2.0 mm
Fixed frame	SUS304 stainless steel, 1.0 mm
Hardware	Cast SUS304 stainless steel
Sealing material	PTE elastomer
Heating	Heated hinges
Power/control	220 V → 36 V control box
Operating temperature	−45°C to +50°C
Installation	Threaded rods / expansion bolts

INSULATED DOOR

Designed for refrigerated warehouses, cold storage facilities and buffer rooms, the Insulated Door combines rapid operation with thermal insulation. Its insulated PVC curtain helps maintain stable indoor conditions while the PU/PVC structure allows the door to recover after displacement.



CHOOSE THE RIGHT SOLUTION

Ideal for high-frequency indoor traffic where sealing, automatic curtain recovery and reliable operation are essential.

Maximum Size	3500 × 5500 mm
Operating Speed	0.8–1.2 m/s, adjustable
Guiding Structure	Belt wheel
Thermal Insulation	K less than 3.0 W/(m²·K), Grade 4
Curtain	Double-layer low-temperature curtain with eco polymer insulation
Lifting Method	Double-drum roll-up
Control System	Infrared, remote, magnetic loop, radar, pull switch
Additional Functions	Interlocking and linked operation

CLEANROOM & MEDICAL DOORS:

Hermetic automatic doors are designed for medical and controlled environments where reliable sealing, smooth operation and safe access are essential. Their construction provides good air-tightness and supports the requirements of cleanroom environments, while automatic operation enables convenient and controlled passage.

Available types:

- Hermetic Sliding
- Automatic Swing
- Light X-Ray Shielding Automatic
- ICU Automatic



KEY FEATURES & INDUSTRIAL APPLICATIONS

Designed for demanding medical and controlled environments, these doors combine reliable sealing with quiet and smooth operation. Multiple control methods can be used according to the application, including infrared sensing, foot sensing and password input. Hermetic sliding and swing doors are suitable for operating rooms, clean rooms and cold storage areas, while specialised versions provide solutions for X-ray shielding and ICU environments.

AUTOMATIC HERMETIC DOOR

Designed for medical and cleanroom environments where reliable sealing, smooth operation and controlled access are essential. The hermetic construction provides good air-tightness and supports the requirements of cleanroom environments.



CHOOSE THE RIGHT SOLUTION

Ideal for cleanrooms, operating rooms and other controlled environments where reliable sealing, air-tightness and smooth automatic operation are essential.

Max. door weight	150 kg
Door leaf width	1070–1570 mm
Clearance structure width	2350–3350 mm
Opening speed	250–500 mm/s, adjustable
Closing speed	250–500 mm/s, adjustable
Holding time	2–20 s, adjustable
Closing force	>70 N
Power consumption	<150 W

AUTOMATIC SWING DOOR

Designed for medical environments where clear visibility, quiet operation and reliable sealing are important. The door uses a high-strength glass leaf with an aluminium alloy or stainless-steel frame and supports various automatic control methods.



CHOOSE THE RIGHT SOLUTION

A suitable choice for medical environments where clear visibility, quiet operation and reliable sealing are important.

Door opening angle	0–110°
Max. door weight	150 kg
Opening time	2–4 s
Closing time	2–4 s
Holding time	1–20 s, adjustable
Manual pushing force	<30 N
Power consumption	<50 W

LIGHT X-RAY SHIELDING AUTOMATIC DOOR

Designed for medical and cleanroom environments where reliable sealing, smooth operation and controlled access are essential. The hermetic construction provides good air-tightness and supports the requirements of cleanroom environments.



CHOOSE THE RIGHT SOLUTION

Designed for medical areas requiring X-ray shielding, providing controlled automatic access for specialised environments.

Max. door weight	150 kg
Door leaf width	1070–1570 mm
Clearance structure width	2350–3350 mm
Opening speed	250–500 mm/s, adjustable
Closing speed	250–500 mm/s, adjustable
Holding time	2–20 s, adjustable
Closing force	>70 N
Power consumption	<150 W

ICU AUTOMATIC DOOR

Designed for ICU environments where hygiene, visibility, quiet operation and controlled access are important. The automatic door provides smooth operation and good air-tightness for demanding medical environments.



CHOOSE THE RIGHT SOLUTION

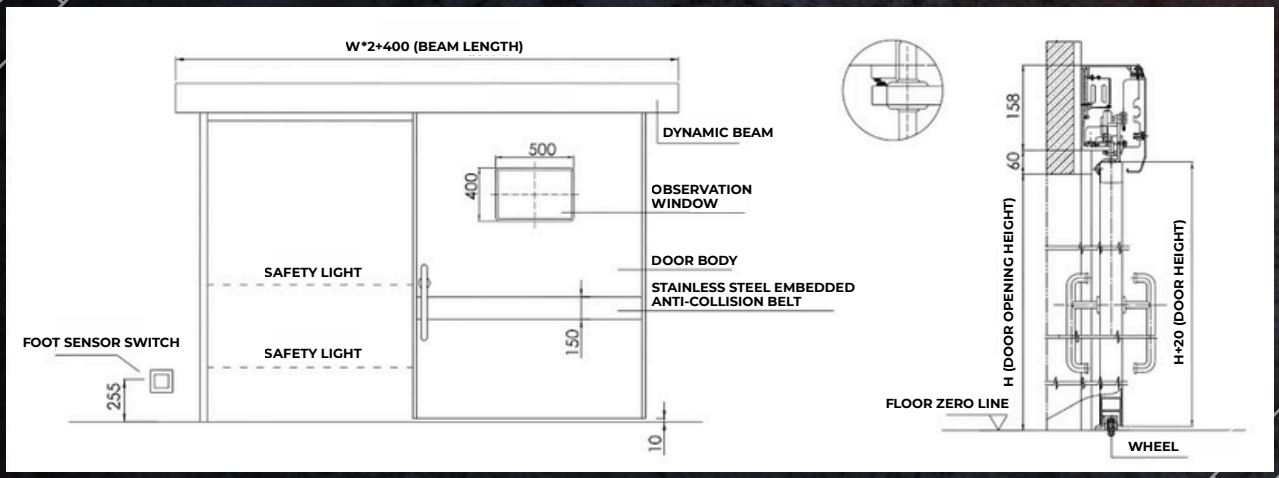
A practical solution for ICU environments where controlled access, good air-tightness, visibility and quiet operation are required.

Max. door weight	150 kg
Door leaf width	1070–1570 mm
Clearance structure width	2350–3350 mm
Opening speed	250–500 mm/s, adjustable
Closing speed	250–500 mm/s, adjustable
Holding time	2–20 s, adjustable
Closing force	>70 N
Power consumption	<150 W

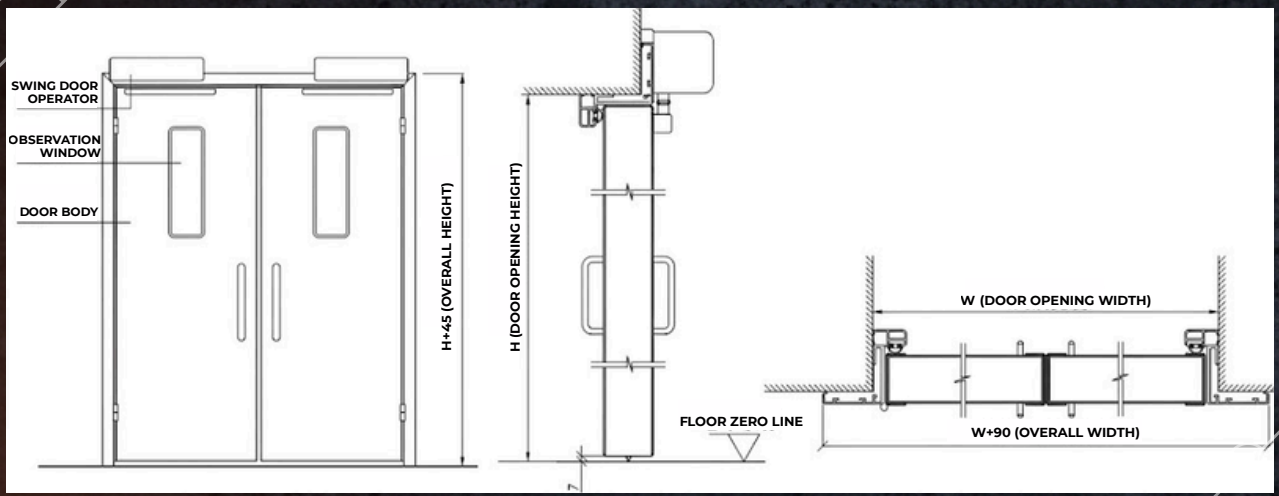


TECHNICAL DRAWINGS

Automatic Hermatic Door

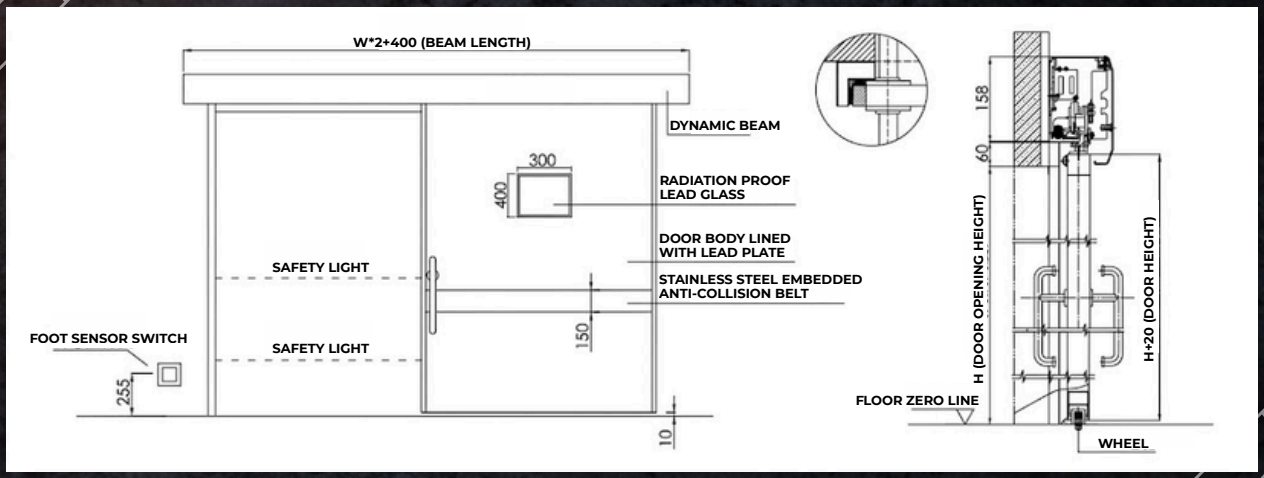


Automatic Swing Door

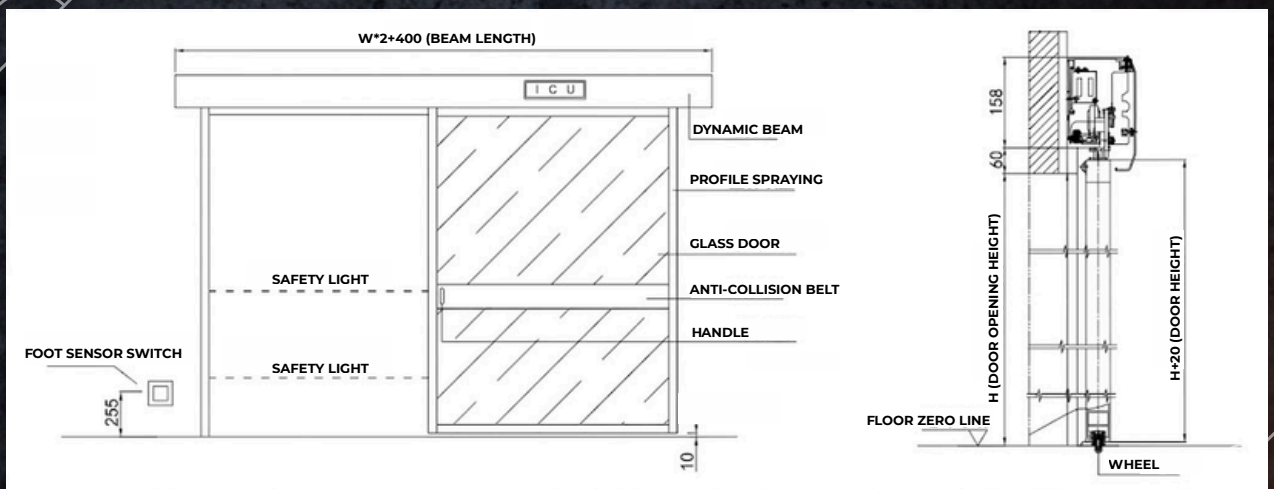


TECHNICAL DRAWINGS

Light X-ray Shielding Automatic Door



ICU Automatic Door



ACCESSORIES



Push Button



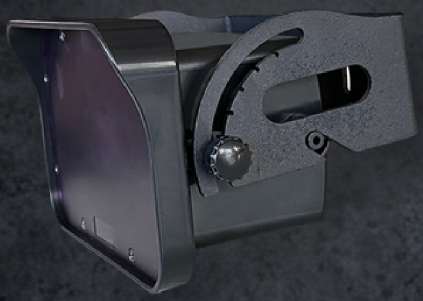
Push Button with Lock



Traffic Light



Cable



Doors Sensor



Doors Sensor



Double Induction Loop



Single Induction Loop



Wifi Opener





DON'T HESISTATE TO CONTACT US.....

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