PROGATE®

revolvingdoor systems

SECURE
EFFICIENT
ELEGANT

Engineered for performance. Designed for prestige.

Security | Performance | Reliability | Sustainability

www.progateplus.com

why revolving door?

airconditioning

As the revolving doors prevent interior and exterior air exchange, it is possible to get the optimum level of efficiency from air conditioning components.

energysaving

Air-conditioning components save energy which is the most important source of our age by using the advantages of revolving doors at the best way in buildings.

Saving of annual energy consumption (%)

%74

The number of houses that can be heated with saved energy in one year	: 5,1
The years that the saved energy can light a 100W bulb	: 29
The Co2 prevented annually (tons)	: 14,6

min energy max efficiency

comfortable and regular transition

Revolving doors provide regularly and a comfortable transition by controlling pedestrian traffic at the entrances of buildings.

academically proven

According to the research results of MIT (Massachusetts Institute of Technology) which is one of the best technical universities in the world; amount of savings when the sliding door have been replaced with the revolving door at the entrance of building E25 are described below.

The number of houses that can be heated with saved energy in one year

: 5,1

The years that the saved energy can light a 100W bulb

: 29

The Co2 prevented annually (tons)

: 14,6

AUTOMATIC

Revolving door systems

INTELLIGENT ACCESS.
TIMELESS SOLUTIONS.

SECURE
Advanced safety features for every entrance.

EFFICIENT
Smooth operation for enhanced energy efficiency.

ELEGANT
Modern design that elevates every architecture.

RELIABLE
Built to perform, designed to last.

PROGATE®

INTELLIGENT MOVEMENT.
SEAMLESS SOLUTIONS.

AUTOMATIC
Revolving door
systems

"What distinguishes an automatic revolving door from a manual one is the integration of advanced entry and exit sensors. Equipped with intelligent safety and security mechanisms, these systems are highly effective at ensuring secure pedestrian traffic while maximizing a building's energy efficiency. **PROGATE** revolving door solutions are manufactured utilizing cutting-edge technology that strictly adheres to European quality standards. This sophisticated operating system is specifically engineered to keep the risk of malfunction to an absolute minimum. With consistent routine maintenance, our automatic doors are designed to deliver flawless, uninterrupted service for many years."

PRO1000

AUTOMATIC
REVOLVING DOOR SYSTEMS

ENGINEERED FOR **EXCELLENCE**

Pro1000 automatic revolving doors combine advanced technology with modern design to deliver smooth, secure and energy-efficient performance for any entrance.

TIMELESS DESIGN
A perfect blend of form and function.

MAXIMUM SAFETY
Advanced sensors and safety systems.

ENERGY EFFICIENCY
Minimizes air exchange and reduces energy loss.

SEAMLESS PERFORMANCE
Smooth, quiet and reliable operation.

STANDARD FEATURES

System	:	Automatic
Emergency Stop Button	:	One for each entry and exit
Disabled Access Button	:	One for each entry and exit
Manual usage	:	Availability to be used as manual door at any time
Radar	:	One for each entry and exit
Presence Sensor	:	One for each entry and exit (Optional)
Anti-Handjamming Edge	:	Standard for each entry
Curved Glasses	:	4+4mm Laminated Glass (1,52mm PVB)
Wing Glasses	:	4+4mm Laminated Glass (1,52mm PVB)
Lock	:	Manual Lock
Roof	:	Inner and Outer Aluminum Plate
Mechanism	:	First quality bearing systems
Brushes	:	40 mm horse hair brushes
Ceiling	:	12 pcs. of 1,5mm thick aluminium sheets
Glass Gasket	:	Epdm
Canopy	:	Aluminium and iron profiles
Color	:	Natural anodized / RAL colors
Lighting	:	6 pcs. 5W led downlight
Horizontal Safety Heel Sensor (Bottom)	:	Air Curtain
Control Panel	:	Control panel with position switch

OPTIONAL FEATURES

Mirror Stainless Steel Cladding	:	Canopy Height in Different Dimensions
Golden Mirror Stainless Steel Cladding	:	Night Security Shield
Bright Stainless Steel Cladding	:	Break-out Leaves
Doomat	:	Manual Lock + Switch
Door Handle	:	Canopy Heating Unit
Colored Glass	:	Water Insulation for Outdoor with Drain Duct
Water Insulation for Outdoor	:	Extra 2 pcs. 5W Led Downlight
Horizontal Safety Motion Sensor (Top)	:	Touchscreen Control Panel
Passage Height in Different Dimensions		

PROGATE®

SMART ENTRY. SAFE EXIT. TOTAL CONTROL.

PRO1000

AUTOMATIC REVOLVING DOOR

TECHNOLOGY THAT WELCOMES.

PROGATE automatic revolving doors combine advanced engineering with refined design to create prestigious, secure and energy-efficient entrances for modern buildings.

PRESTIGIOUS DESIGN
Contemporary and elegant appearance that enhances the value of your building.

MAXIMUM SAFETY
Advanced sensors and safety features ensure secure and smooth passage.

ENERGY EFFICIENCY
Minimizes air exchange and helps to reduce energy consumption.

DURABLE & RELIABLE
Engineered with premium materials for long-lasting performance.

STANDARD FEATURES

ANTI-HANDJAMMING EDGE
Sensitive edge to detect obstacles and prevent handjamming.

DISABLED ACCESS BUTTON
Easy access solution for disabled users.

DISABLED & OLD PEOPLE TRANSITION
Smooth and safe transition for all users.

EMERGENCY STOP BUTTON
Instant stop in emergency situations for maximum safety.

HEEL SAFETY SENSOR
Detects feet in the closing path to prevent injuries.

CONTROL PANEL
Intuitive control and parameter setting with ease.

TECHNICAL OVERVIEW

System	: Automatic	Control	: Microprocessor Based	Usage	: Easy
Door Type	: 3-Wing / 4-Wing	Safety Sensors	: Presence & Motion Sensors	Usage & External	
Diameter	: Customizable	Material	: Aluminum / Stainless Steel	220-240V / 50-60Hz	
Height	: Customizable	Glass	: Laminated / Tempered	Temperature Range	
Drive System	: Electromechanical	Operation Modes	: Automatic / Manual / Night Lock	-20°C to +50°C	

ADVANCED SAFETY TECHNOLOGIES | **SMOOTH & QUIET OPERATION** | **SUSTAINABLE & ENERGY EFFICIENT** | **RELIABLE PERFORMANCE EVERY DAY**

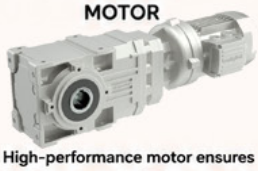
OPTIONAL

PRESENCE SENSOR

Detects the presence of people or objects and activates the door movement for smooth and safe entry.

STANDARD

MOTOR



High-performance motor ensures reliable, quiet and efficient operation in all conditions.

STANDARD

CONTROL PANEL

- Key Switch (Auto / Hand / Recycle)
- Status Indicators (1–6 Program Modes)
- Handicap Mode
- Stop Button
- Light Button

Easy operation with clear indicators for full control and monitoring.

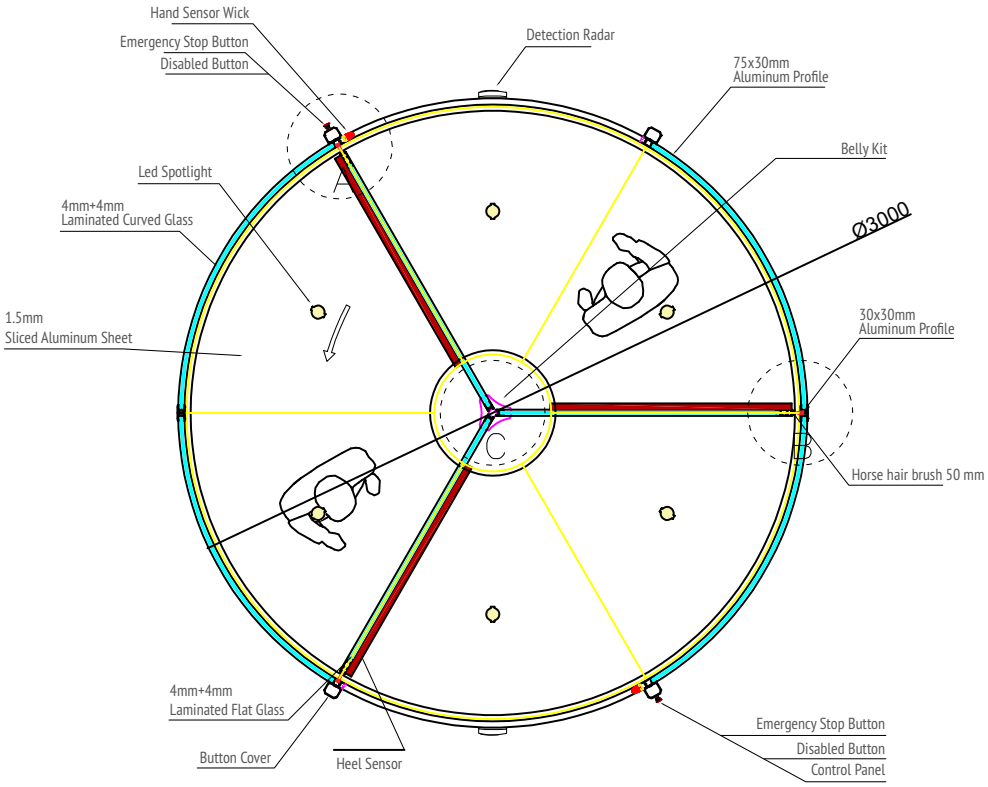
OPTIONAL

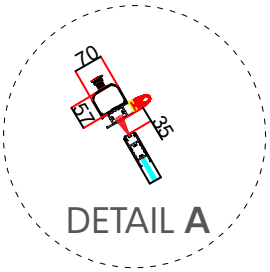
CURTAIN SENSOR

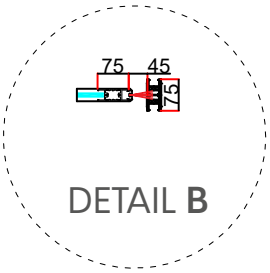
PRO1000

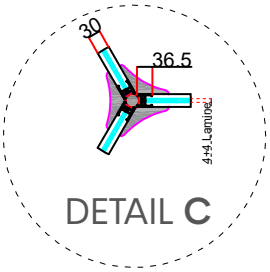
technicalspecifications/details
pro10003wingsglasscentered

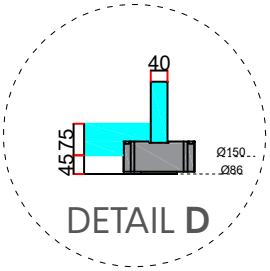
OUTDOOR SIDE



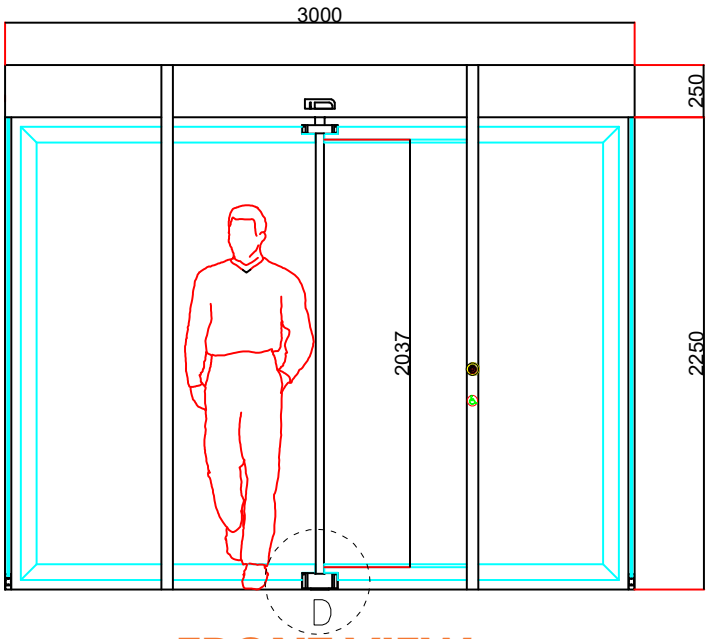








INTERIOR



FRONT VIEW

PROGATE®

PROMAXI

AUTOMATIC REVOLVING DOOR SYSTEMS

ENGINEERED FOR EXCELLENCE

PROMANUAL automatic revolving doors combine advanced technology with modern design to deliver smooth, secure and energy-efficient performance for any entrance.

MAXIMUM SAFETY
Advanced sensors and safety systems.

ENERGY EFFICIENCY
Minimizes air exchange and reduces energy loss.

TIMELESS DESIGN
A perfect blend of form and function.

SEAMLESS PERFORMANCE
Smooth, quiet and reliable operation.

STANDARD FEATURES

System	:	Automatie
Emergency Stop Button	:	One for eaeh entry and exit
Disabled Access Button	:	One for eaeh entry and exit
Manual usage	:	Availability to be used as manual door at any time
Radar	:	One for eaeh entry and exit
Presence Sensor	:	One for eaeh entry and exit (Optional)
Anti-Handjamming Edge	:	Standard for eaeh entry
Curved Glasses	:	4+4mm Laminated Glass (1,52mm PVB)
Wing Glasses	:	4+4mm Laminated Glass (1,52mm PVB)
Lock	:	Manual Loek
Roof	:	Inner and Outer Aluminum Plate
Mechanism	:	First quality bearing systems
Brushes	:	40 mm horse hair brushes
Ceiling	:	12 pes. of 1,5mm thiek aluminium sheets
Glass Gasket	:	Epdm
Canopy	:	Aluminium and iron profiles
Color	:	Natural anodized / RAL colors
Lighting	:	6 pes. 5W led downlight
Horizontal Safety Heel Sensor (Bottom)	:	Air Curtain
Control Panel	:	Control panel with position switeh

OPTIONAL FEATURES

Mirror Stainless Steel Cladding	:	Canopy Height in Different Dimensions
Golden Mirror Stainless Steel Cladding	:	Night Security Shield
Bright Stainless Steel Cladding	:	Break-out Leaves
Doormat	:	Manual Lock + Switch
Door Handle	:	Canopy Heating Unit
Colored Glass	:	Water Insulation far Outdoor with Drain Duct
Water Insulation far Outdoor	:	Extra 2 pes. SW Led Downlight
Horizontal Safety Motion Sensor (Top)	:	Touchscreen Control Panel
Passage Height in Different Dimensions	:	

PROGATE automatic revolving door systems are specifically designed for buildings with high pedestrian traffic, providing a smooth, secure, and prestigious entrance experience. The PROMAXI series combines advanced engineering with modern architectural aesthetics to ensure maximum comfort, safety, and energy efficiency in intensive daily use.

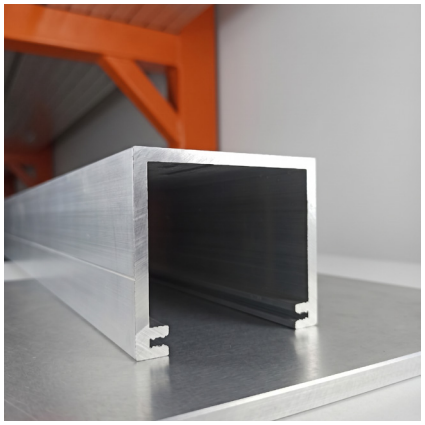
The PROMAXI model offers flexible design alternatives including square showcase, triangular showcase, or showcase-free configurations, allowing seamless integration into different architectural concepts. These systems are widely preferred in shopping malls, luxury hotels, airports, corporate headquarters, and premium commercial centers.

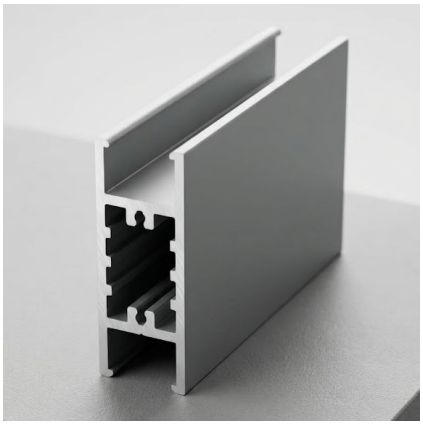
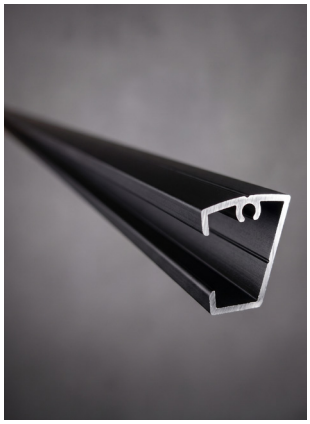
The integrated center showcase option can be utilized for product presentation, brand communication, seasonal displays, or high-impact advertising applications, transforming the entrance area into both a functional and visual focal point.

PROGATE®

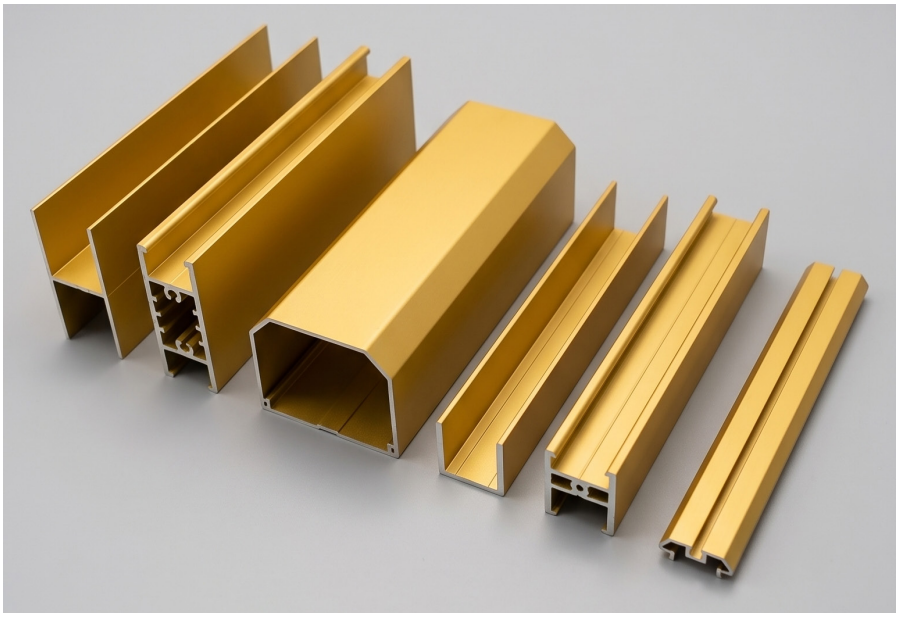
PRO1000

PROFILELIST



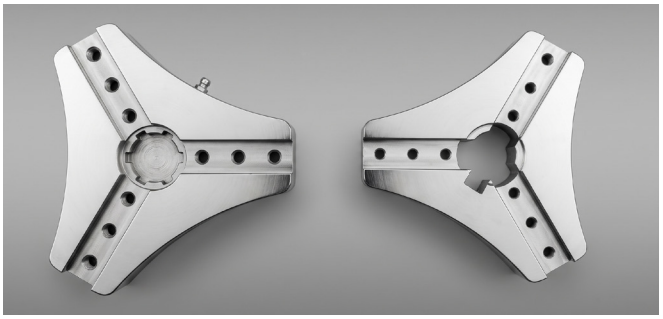
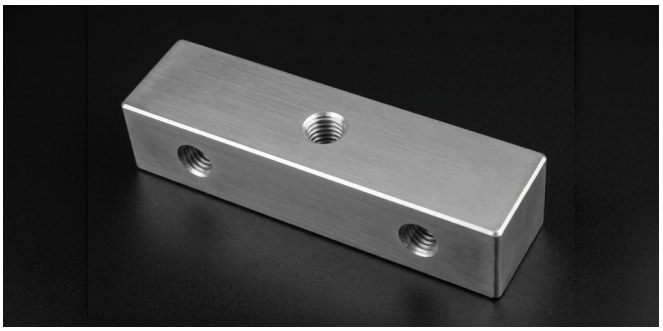





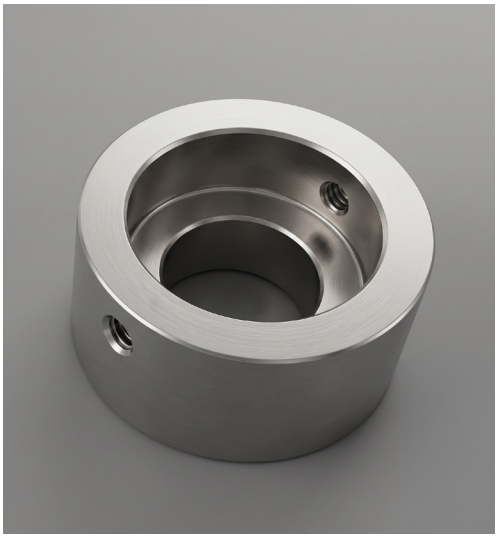
PROGATE®

PRO1000 MACHININGPROCESSES

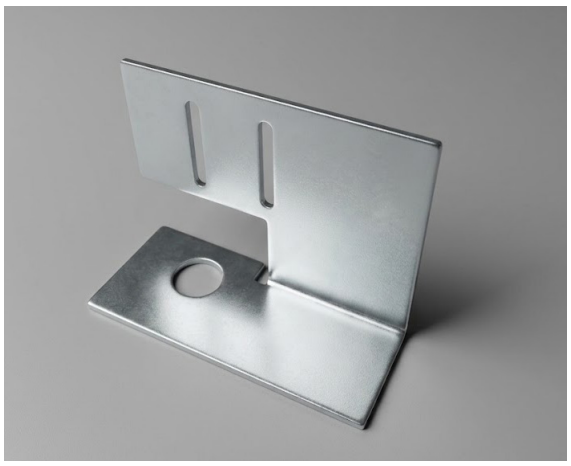





PRO1000

LASER CUT **PARTS**



PROGATE®

PROGATE®

AUTOMATIC REVOLVING DOOR

ELEGANCE IN EVERY ENTRANCE

PROGATE automatic revolving doors combine advanced engineering with refined design to create prestigious, secure and energy-efficient entrances for modern buildings.

KEY BENEFITS

PRESTIGIOUS DESIGN
Contemporary and elegant appearance that enhances the value of your building.

MAXIMUM SAFETY
Advanced sensors and safety features ensure secure and smooth passage.

ENERGY EFFICIENCY
Minimizes air exchange and helps to reduce energy consumption.

DURABLE & RELIABLE
Engineered with premium materials for long-lasting performance.

TECHNICAL OVERVIEW

System	:	Automatic	Safety Sensors	:	Presence & Motion Sensors
Door Type	:	3-Wing / 4-Wing	Material	:	Aluminum / Stainless Steel
Diameter	:	Customizable	Glass	:	Laminated / Tempered
Height	:	Customizable	Operation Modes	:	Automatic / Manual / Night Lock
Drive System	:	Electromechanical	Usage	:	Internal & External
Control	:	Microprocessor Based	Installation	:	Quick & Easy

IDEAL FOR

- HOTELS
- OFFICE BUILDINGS
- SHOPPING MALLS
- AIRPORTS
- HOSPITALS
- BANKS

SMART FEATURES FOR COMPLETE CONTROL

HEEL SAFETY SENSOR

DISABLED ACCESS BUTTON

EMERGENCY STOP BUTTON

CONTROL PANEL

Advanced Safety Technologies | Smooth & Quiet Operation | Sustainable & Energy Efficient | Reliable Performance Every Day

PROGATE®

AUTOMATION SYSTEM

PROGATE automatic revolving doors are engineered with advanced automation technology to ensure maximum safety, comfort and reliability in every use.

1. The system shall **operate with two radar sensors,** one installed on the interior side and one on the exterior side. The radar sensors shall detect approaching pedestrians and send a signal to the control unit, enabling the motor to rotate the door wings. The rotation speed shall ensure smooth pedestrian flow without causing inconvenience during passage.
2. In the absence of movement around the door (when the radar sensors do not detect any activity), the door shall stop after completing a minimum of two rotations.
3. In the standby position, each of the four wings shall align with the vertical side profilles of the entrance openings, allowing the first approaching pedestrian from either direction to comfortably use the open compartment.
4. In the event of a power failure, the door shall be easily rotatable manually by pushing, and the motor reduction system shall not create resistance during manual operation.
5. During automatic operation, if the door is manually forced to rotate significantly faster than its normal operating speed, the braking system shall engage automatically and prevent rotation beyond a predefined speed limit.
6. The door rotation torque (rotational force) shall be adjustable so that the wings can be stopped manually by hand. This adjustment shall be configurable through the control panel.
7. Special **active safety rubber profiles** shall be installed on the right vertical edges of the entrance openings to stop the door rotation in case of entrapment between the rotating wings and the fixed side panels. Matching passive rubber profiles shall also be installed on the left vertical edges for visual symmetry.
8. The system shall operate on a **220 V single-phase** power supply, and all speed adjustments shall be controlled through a frequency inverter managed by a PLC system.
9. **Infrared sensors** shall be installed at both the entrance and exit sides of the door. When waiting or stationary presence is detected within the doorway, the sensors shall temporarily stop the door wings to prevent collision and then automatically resume operation.
10. An electronic switch shall be installed to cut off the electrical connection when the door is locked, ensuring that the door cannot rotate unless unlocked.
11. The door shall be equipped with a **mode selector** switch allowing operation in automatic, manual, and closed positions.
12. **Elderly/disabled access buttons and emergency stop buttons** shall be installed on the fixed side panels at both the entrance and exit sides (2 sets in total). When the elderly/disabled button is activated, the door rotation speed shall decrease to provide safer passage.
13. The **LED lighting** of the door shall be switchable on and off through the control panel.
14. Door faults and alarms (heel sensor, hand sensor, emergency stop button, etc.) shall be displayed via LED indicators on the control panel, providing both active and passive warning signals. Additionally, upon door installation, technical training shall be provided to the technical team together with a troubleshooting guide.
15. For doors with a diameter larger than **3000 mm, pressure-sensitive safety rubber edges** shall be installed as standard on the lower section of the door wings at heel level, capable of stopping the door in the event of any collision or impact.

ADVANCED AUTOMATION TECHNOLOGY | MAXIMUM SAFETY | SMOOTH & COMFORTABLE PASSAGE | RELIABLE & ENERGY EFFICIENT | INTELLIGENT CONTROL SYSTEM

PROGATE®

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PROGATE®

OPTIONAL FEATURES

PROGATE offers a range of optional features designed to enhance safety, comfort and functionality according to your needs.

1. BREAKAWAY WINGS:

When the emergency stop button is pressed or in the event of a power failure, the door wings shall be able to fold easily without causing compression, with a maximum pushing force of 25 kg. The wings must not fold due to wind force. When the wings are folded, communication with the door automation system shall be interrupted and the rotation must stop immediately.

2. AIR CURTAIN:

The cold air circulation from outside shall be neutralized by the warm air blown from the device so that the indoor temperature is not affected. The air curtain shall be integrated inside the revolving door canopy together with the cabin structure to prevent an unaesthetic appearance. Warm air shall be blown through a grille mounted on the canopy, protruding no more than 5 cm. A maintenance access area shall be provided to allow easy intervention in case of malfunction.

3. MOTOR:

The motor brand shall be Bonfiglioli.

4. NIGHT SHIELD:

An oval-shaped sliding protection door with a manually operated wheel mechanism shall be installed on the exterior side of the revolving door, enabling the door to be closed and locked during nighttime, while protecting the building against adverse weather conditions and unauthorized access. If the sliding shield door moves, the revolving door shall automatically switch to emergency stop mode. The glass of the night shield shall consist of 4+4 laminated glass, and the profiles used shall be minimum 30 mm wide, 75 mm long, and at least 3 mm thick.

5. PRESENCE SENSOR:

Front scanning sensors shall be installed on both sides of the door in areas where the risk of entrapment is high. These sensors shall detect potential compression or collision risks and stop the system as a safety precaution.

6. HEEL PROTECTION SENSOR:

The door shall be equipped with heel safety edges capable of stopping the door in case of impact within the door rotation area or when slight reverse force is applied against the door movement direction during rotation.

7. SAFETY CURTAIN SENSOR:

Safety light beams parallel to the outer vertical and lower horizontal profiles of the door wings shall detect slow-moving pedestrians both at the entrance and inside the door, preventing collision with the rotating wings.

ADVANCED SAFETY | ENERGY EFFICIENCY | RELIABLE PERFORMANCE | SMART AUTOMATION | CUSTOM SOLUTIONS

PROGATE®

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PROGATE®

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SCS® otomatik panjur ve kapı sistemleri

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