

monador
Automatic Door Systems



BOON EDAM
YOUR ENTRY EXPERTS.

DUOTOUR.

THE **SLIDING AND ROTATING COMBO** REVOLVING DOOR

When an entry requires sophistication to channel the flow of visitors in high numbers at peak times, or those accompanied by carts, trolleys or hospital beds, the Duotour two-wing automatic rotating door is the optimal solution. Unlike a three or four-wing rotating door, the Duotour can channel a high capacity of footfall while having a fairly small footprint. The sliding or swinging doors in the centre of the door set can be opened to allow access to large trolleys, beds or emergency personnel. Unlike other revolving doors, the Duotour does not have a centre column. This ensures that a completely unhindered passage can be created.



OVERVIEW

The Duotour rotating door combines the best of both worlds by incorporating two automatic sliding or swinging doors in its design. At peak times or in order to allow passage to trollies or beds, the function of the Duotour can be switched from the automatic rotating door setting to automatic sliding or swinging doors ensuring maximum capacity and ease of movement.

The entrance needs to fit the building's criteria on three key areas: sustainability, security and service. However the entrance requires a fourth element: great design.

The advantage of revolving doors is that they save energy while facilitating a continuous flow of people.

SAFETY AND SECURITY ARE IMPORTANT

Security in an entry has two different aspects: the security of the building and the safety of its users. The Duotour complies with the strictest safety regulations.

Safety Sensors in the door wings and in the frame ensure that the door responds to users and objects, minimising, or even preventing, impact with the user. The door behaviour can be customised to suit your building's requirements. Such requirements could be based on your priority for safety or throughput taking into account various user groups ranging from professionally trained users to locations where people with special needs form a large part of the user profile such as children and elderly people.

A SUSTAINABLE SOLUTION

Revolving doors are the most energy-efficient entrance solutions available today. The always open, always closed principle of a revolving door ensures that the conditioned inside air and the unconditioned outside air remain separated, preventing draught, dust and noise from coming into the building. As less energy is required to maintain the conditioned climate inside the building, revolving doors help reduce the carbon footprint of a building and save both energy and cost.

The same effect can be reached by installing a draught lobby but for draught lobbies with conventional sliding or swinging doors to be truly effective, the entrance and exit doors of the lobby can never be open at the same time.

We offer the following additional safety measures:

- Accessibility buttons
- Visual signage on the door wings and curved walls to ensure the accessibility of our doors for all user groups.
- CE plus package

The front entrance to a public building should also include security options. Our revolving door security options allow for an added layer of protection.

We offer the following additional security measures:

- Mechanical locking
- Remote locking
- Access control options

ESCAPE ROUTE

Safety standards introduced in 2013 prescribe that in order for a door to be suitable as an escape route, it must offer the possibility to be opened to create a free egress path at all times. As the shape and the rotating motion of the Duotour prevent this from being possible, it is not suitable as an official escape route and it cannot be integrated in the escape route plan. However the sliding or swinging doors in the centre of the door set have the functionality to open upon a signal from the building management system. This provides extra user comfort in egress situations as well as a means for smoke discharge and air replenishment.

KEY

FEATURES Multiple configuration with integrated swing or automatic sliding doors Automatic operation

- Large segments sizes Large selection of
- dimensions Speed control Night -locking options
-
-
-

PUT YOUR STAMP ON

The Duotour is available in a wide variety of colours and finishes and, like the Tournex, offers the option of including showcases on the door wings. Located on both ends of the door wings, these showcases can be used to bring the visitor into the mood and setting of your building.

Our revolving doors are available in a wide variety of heights and widths with different canopy heights and heights under canopy, ensuring that many design wishes can be solved with one of our standardised products. If your design falls outside the options that are available, our sales managers and engineers will work with you to create a safe and sustainable entrance that meets all requirements.

KEY BENEFITS

- Handles high capacity throughput
- Relatively small footprint
- Sophisticated visitor channel flow
- Good ROI Highly customisable
-

SUGGESTED SEGMENTS

- Corporate
- Governmental
- Retail
- Restaurants and hospitality
- Airports
- Hospitals
- Hotels

You can level up in any of these categories:



LEVEL UP



If our standard specifications do not quite suit your needs, we open up opportunities for you to 'Level Up' where it counts most. You can also do this according to your most motivating value driver.

The specification table shows you our standard product options, and to the right of these, you can easily see, and consider, any compatible 'Level Up' options for fine-tuning the Duotour.



TECHNICAL SPECIFICATIONS



THROUGHPUT

MOST POPULAR

VARIATIONS

Throughput	2 x 54 People per minute	2 x 40 - 2 x 59 People per minute
Diameter	3600 mm	Available as standard between 3600 - 5400 mm in increments of 600mm
Height Under Canopy	2200 mm	Available as standard between 2200 - 2600 mm
Canopy Height	300 mm	Available as standard between 300 - 600 mm
Throat Opening	2254 mm	Available between 1654 - 2554 mm
Number of Doors / Wings	2	-



SECURITY

MOST POPULAR

VARIATIONS

Night-locking	Manual-locking door set	External or internal night-locking doors -
Controllable Locking	Security lockdown	
Protection Level	Vandal resistant safety glass P2A	RC3 Burglar protection package



SAFETY

MOST POPULAR

VARIATIONS

Safety Packages	CE Basic	CE Plus / DIN 18650 / UKCA / ANSI / Chinese standard
Drive Unit	Drive with speed control and block detection	-
Escape Route	-	-
Fire Alarm	Connection prepared in control system	-



AESTHETICS

MOST POPULAR

VARIATIONS

Finish	Powder coated aluminium	Anodic coated aluminium Stainless steel cladding brushed / mirror
Glass	Glass decals	Tinted and low iron glass options
Canopy	Extruded solid canopy	Glass roof 18 mm Canopy cover material options
Ceiling	Coordinated colour, material and finish	Alternative colour, material and finish
Door Handles	-	Vertical Ø40 mm
Floor Mat and Trim	Floor mounted	Matwell trim Floor Mat



TECHNOLOGY

MOST POPULAR

VARIATIONS

Drive	Drive unit in canopy	-
Door Control	Control panel on door	Control panel external Door connected to BMS



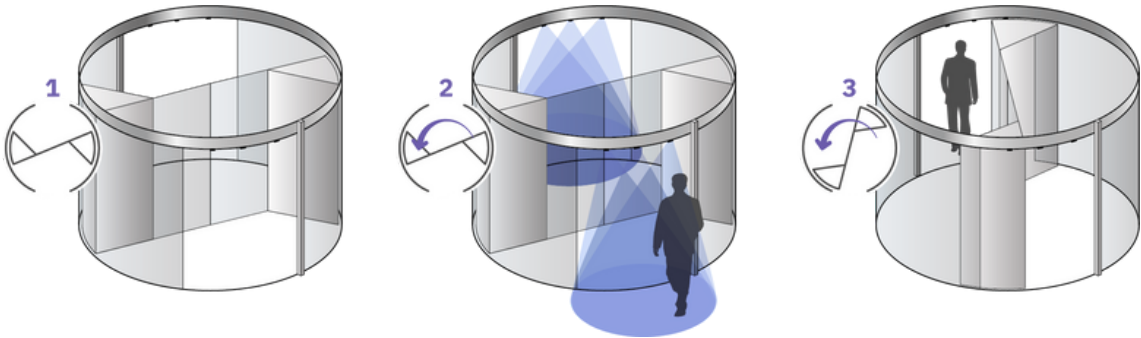
COMFORT

MOST POPULAR

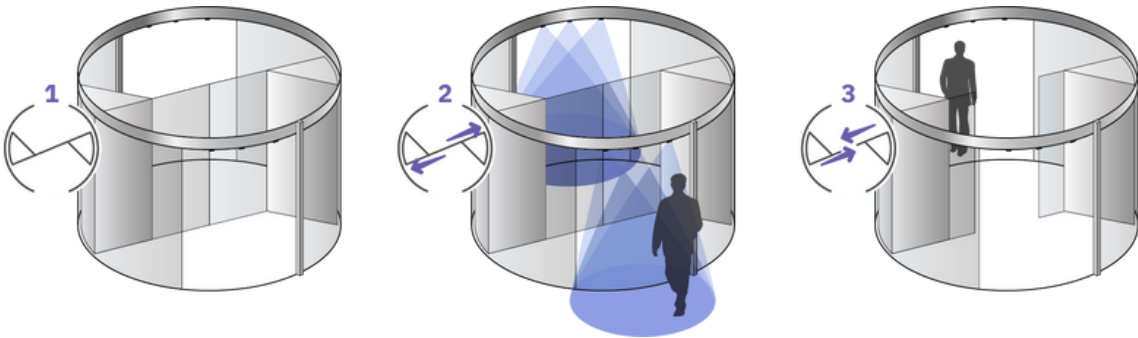
VARIATIONS

Accessibility	-	Push-button temporary low speed
Lighting and Sound	LED's 14 Genuine horse hair brushes with	Custom LED's / lighting Voice module
Climate Control	EPDM interlayer	Air curtain options
Activation	Motion sensors Welcome mode - idle speed	BoonAssist with assist and positioning Convenient out-of-hours entry

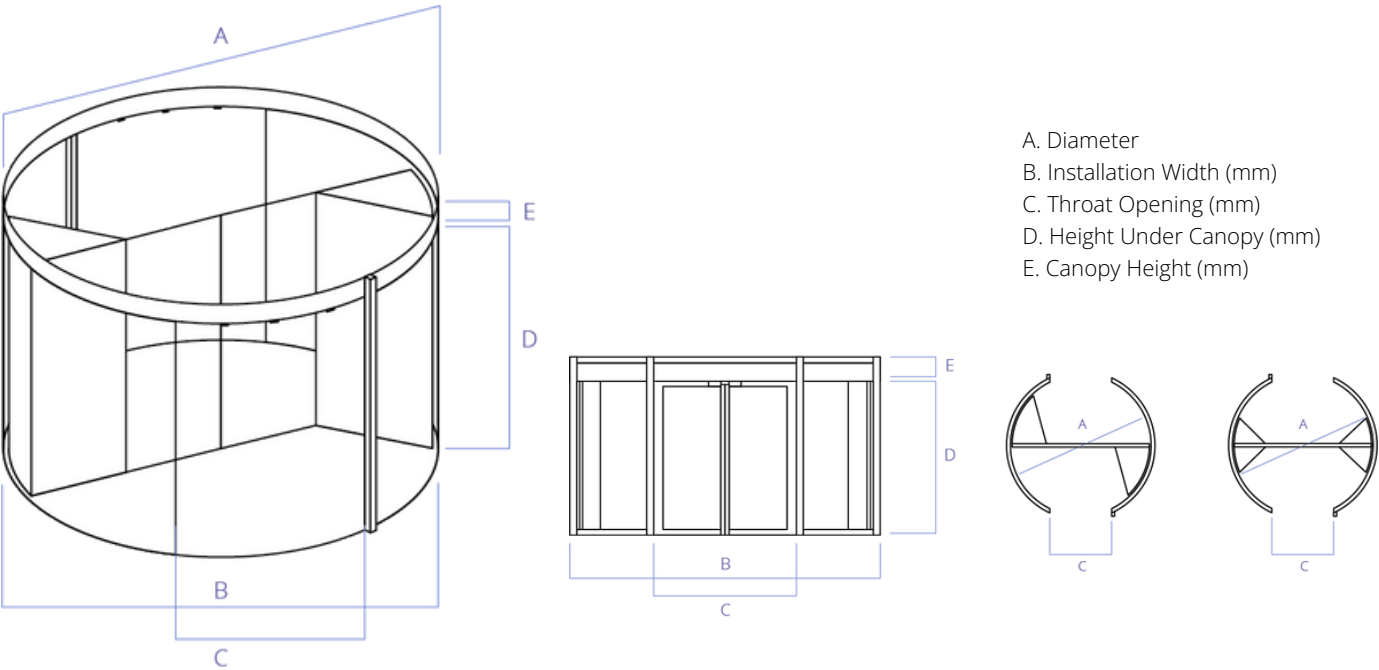
WORKING PRINCIPLE - REVOLVING MODE

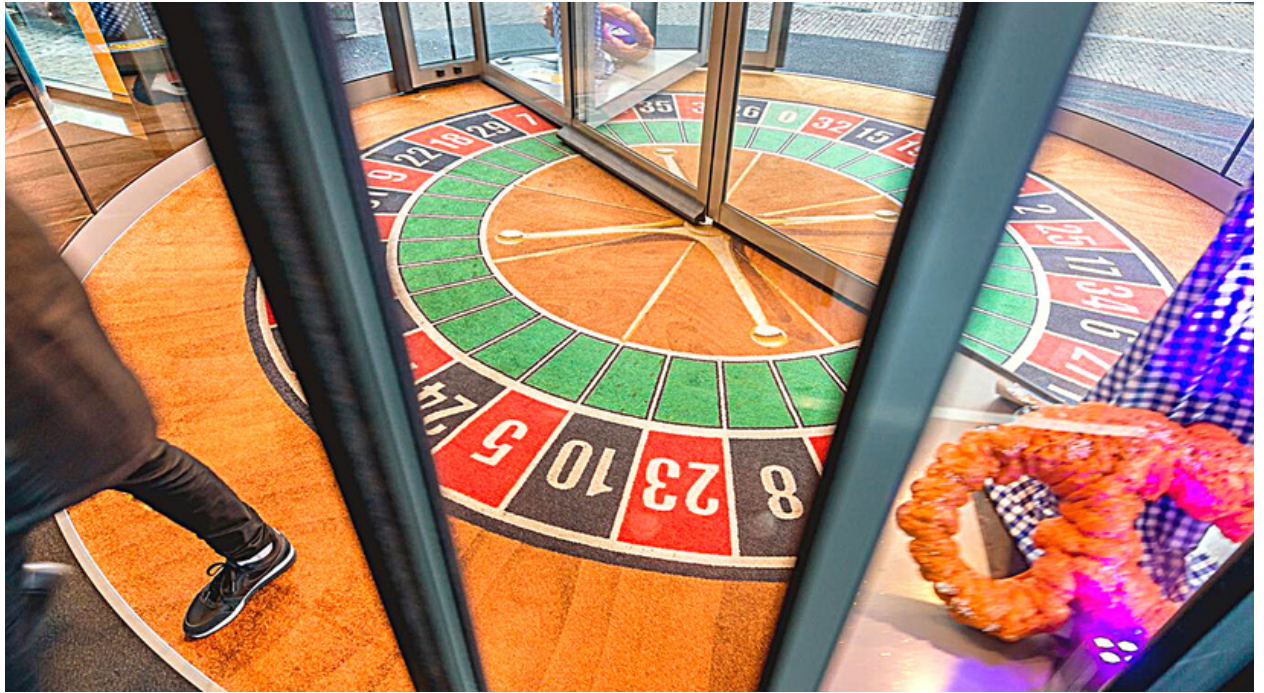


WORKING PRINCIPLE - SLIDING MODE



TECHNICAL DIMENSIONS





SERVICE AND MAINTENANCE

With hundreds of thousands of visitors passing through the entrance every day, uninterrupted and reliable operation is vital. Regular service and maintenance can prevent unexpected equipment failures. Monador's service and maintenance teams across Türkiye and neighboring countries have extensive experience with how local conditions affect the wear and tear of your entrance solutions. They offer customized service and maintenance contracts perfectly tailored to these conditions.

COMPLIANCE

Monador entrances are trusted solutions that allow organisations to meet compliance regulations related to restricting access to areas within a building. We take compliance and safety very seriously and ensure that our products are manufactured, installed and maintained to keep up with the strict criteria required in all our countries. We are always improving and committed to making sure our products are compliant and certified.

The Duotour complies with the following European standards:

- Machine Directive 2006/42/EC
- EMC Directive 2014/30/EC
- RoHS Directive 2011/65/EU
- EN16005 - Safety in use for power pedestrian doors
- EN1627 – Burglar-resistant package
- EN356 – Glass specification

CLIMATIZATION

The process of adjusting the temperature, humidity, cleanliness and air movement of a closed environment according to human health and comfort is called air conditioning. We know that our automatic door models, which combine advanced technology with research on human behavior and building environment, will contribute to sustainable and healthy buildings. With smart sensors, adaptive operating modes and connectivity, we can ensure that every building makes a difference and contributes to the future of green buildings.



EXPERIENCE AND KNOWLEDGE

Monador Automatic Door Systems Trade Inc. is the leading organisation that laid the foundations of the sector. With this understanding, we are proud to continue to provide the service of automatic sliding, magnetic sliding, revolving, security system doors, which we have been implementing in Turkey and the Middle East since 1988. As a result of the experience and knowledge we have gained, with our professional teams, we provide 24/7 service to our customers after sales or after assembly. Our products with superior technological equipment are provided to provide trouble-free service.

SERVICE & MAINTENANCE SUPPORT

Our periodic maintenance packages are **Platinum**, **Gold** and **Silver** presented in three categories.

✉ info@monador.com.tr

☎ 0212 216 98 18

✉ servis@monador.com.tr

☎ 0212 211 9 211 (In Business Hours)

☎ 0532 465 55 06 - 0532 465 55 07 (Other)



www.monador.com.tr



monador otomatik kapı



monadorotomatikkapi



monador otomatik kapı



TS-EN-16005

