

Automatic Revolving Doors Opening a world of Possibilities

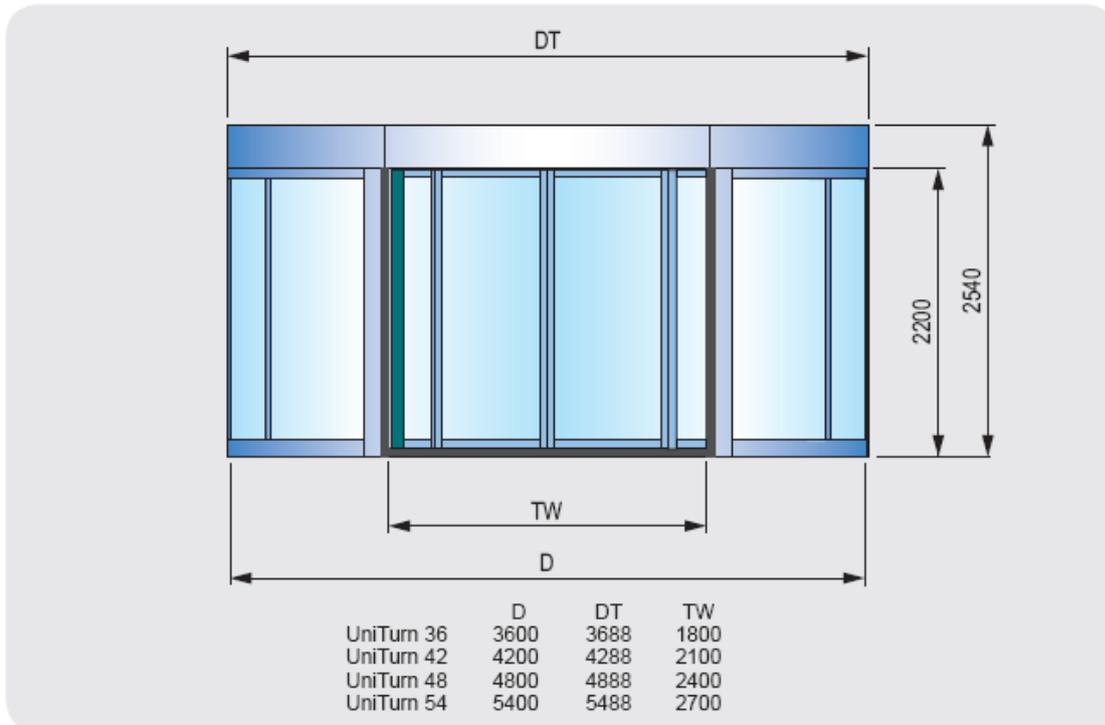
At Besam we believe that our success and outstanding reputation is the result of our long-standing philosophy of building uncompromising excellence into every door we make.

Today we want to present you our latest product:
2-Wing UniTurn

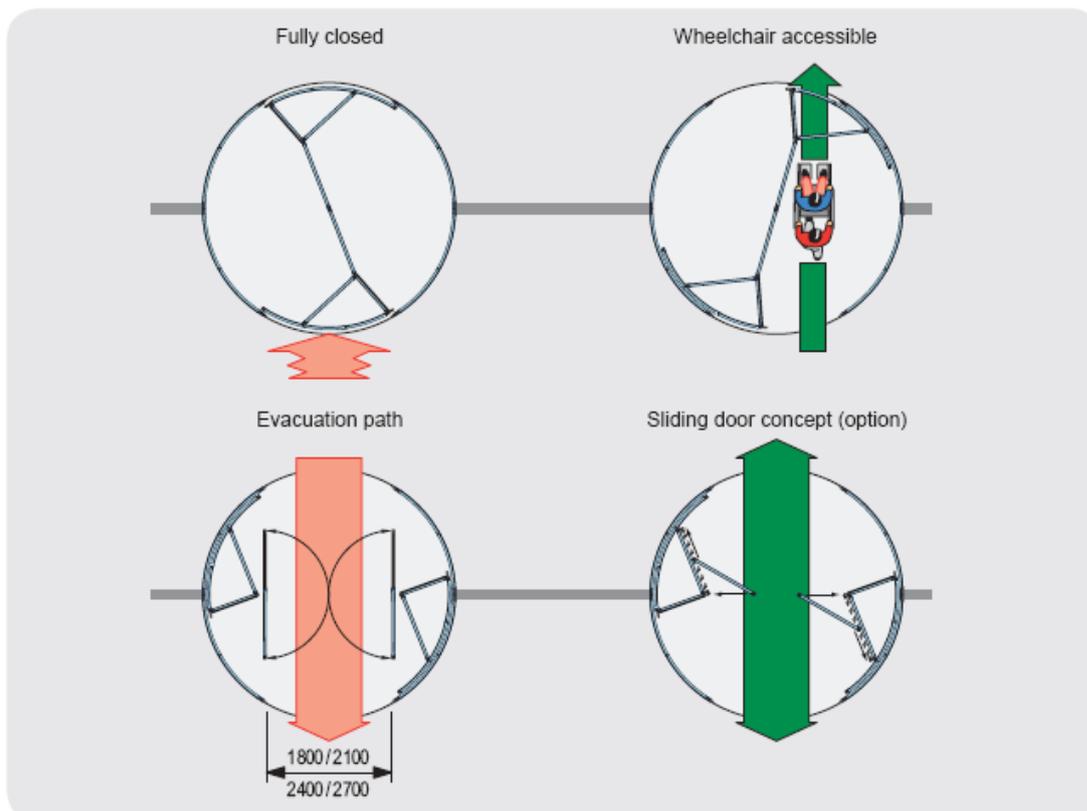


- Versatile Diameters
- Flexability
- High throughput
- Unique design
- Economic

Besam gives you their latest product



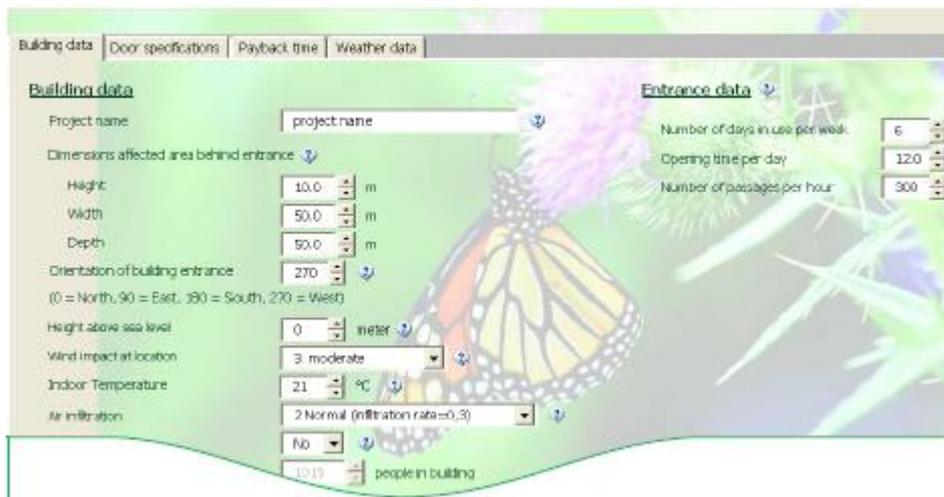
It is suitable for all kind of Buildings



Why should we use revolving doors?

Choosing revolving door means *payback on your investment typically in 2-3 years*

BESAM has a proud heritage of producing energy efficient products. For almost 50 years, our revolving doors have been helping conserving energy by reducing building energy loss and preventing draughts. Recognising the ever-increasing awareness of environmental issues and energy conservation, BESAM has recently introduced **Energy Savings Calculation Software**. Many people are aware in a vague way that revolving doors reduce draughts, but this software actually quantifies the energy savings and draught infiltration benefits offered by revolving doors compared to other door types.



Our Energy savings calculation software is a proven method in calculating the energy savings benefits of revolving doors. Using this technology, we have developed an energy savings counter, monitoring the quantity of energy BESAM revolving doors are saving worldwide in Kwh and CO2 emission reduction compared to conventional entrances solutions. Our energy savings counter started at the beginning of 2005 and continues to calculate the energy savings per door per second. As an average (dependent on dimensions), **BESAM revolving doors save 10,000Kwh per year per door**

Revolving-door usage	50%	75%	100%
Saving of annual energy consumption	14.5%	38.7%	74.0%
# of houses the saved energy can heat in one year	1.0	2.7	5.1
# of years the saved energy can light a 100W bulb	5.8	15.3	29.0
Tons of CO ₂ prevented	3.0	7.7	14.6

The Green Machine – Always Open, Always Closed...Always Controlled!

UniTurn is the **safest revolving door in the world**. Besam's two-wing design securely seals the entrance when the unit is closed eliminating the need for costly additional security doors.

The UniTurn series has a unique two-wing design that creates a weatherproof barrier keeping unwanted elements outside. This allows you to maximize the use of your facility, all the way to your front door, without compromising the comfort of your patrons or employees inside. In addition, the energy savings are enormous – covering the initial costs of your door in just a short period of time. The UniTurn is an environmentally conscious revolving door while remaining architecturally pleasing to the eye. Besam two-wing revolving doors have drastically changed the industry's approach to revolving door automation. By eliminating the need for a center shaft, we have been able to create a much larger compartment area. The increased space is capable of accommodating people with shopping and luggage carts, wheelchairs, stretchers and even crowds with ease. Our largest size diameter door allows for a traffic capacity of up to 5,880 people per hour!

Basic advantages of revolving door for shopping centres:

- Saving energy with revolving door assures savings roughly 10,000Kwh per year per door.
- More shops and cafes/restaurants on the ground floor will have lots of visitors and happy customers as draughts and cold are prevented. The comfort inside is increased as no wind comes from outside. It leads to more spending of dwelltime of the visitors on the ground floor.
- More customers = more sales
- Possibility to increase the non-income rental from kiosks which can be located closer to the doors (our independent study shows that such income is around 1000 Euro per month)
- Saving electricity with a revolving door means more saved money from the regular service charge budget which can be used for other initiatives.
- Efficient types of revolving two-wing doors from BESAM have special easy mode of opening the wings allowing 2,10 m clear opening through which a car or large objects can be put easily inside the shopping area for promotional campaigns or other activities.
- The show-case typical for the model Uniturn of Besam allows to use the space as rental place for advertising which pays back the investment and makes the doors more welcoming and attractive

Reference for revolving doors installed by ASSIST as official distributor of BESAM in Bulgaria:

- **Mall of Sofia** – we replaced non-efficient sliding doors with revolving doors. Draught and overpressure in the whole building was eliminated. Savings in energy, more customers and lots of new kiosks on the ground floor were some of the positive outcomes.
- **Grand Mall VARNA** – we replaced sliding doors with revolving door in order to prevent enormous energy costs for heating and climatization of the atrium and entrance hall of the building
- **Arena Cinema**– successfully working two-wings revolving doors Uniturn since 7 years
- **Park Mall Stara Zagora** - successfully working two-wings revolving doors Uniturn since 3 years

Other important features:

- BESAM's distributor in Bulgaria – company ASSIST has experience since 17 years in engineering, installation and maintenance of automatic doors.
- ASSIST keeps stock of spare parts and has invested in training of qualified personnel for fixing, installation and service of automatic doors.
- ASSIST can assure references from customers and case studies for application of BESAM revolving doors in retail all over the world.

Pictures of some installations:

Mall of Sofia



Arena Cinema



Park Mall Stara Zagora

