Automatic Doors
Opening a World of Possibilities

Innovative Solutions. Flexible Options.

ASSA ABLOY, the global leader in door opening solutions
Besam has been designing, providing and servicing automatic doors for over 40 years. Our wide variety of clients include prestigious organizations in the retail, healthcare, hospitality and transportation industries. Our main focus is to provide technologically advanced products and innovative application solutions that are centered on our customer’s needs. With Besam’s comprehensive product line and unparalleled service provider network, you are assured of the right product for your entrance.

Design Assistance & Custom Applications
Besam doors can be precisely matched to suit the specific requirements of a broad range of individual projects. Standard drawings and technical assistance are available through our Design Hotline, at 1-866-BESAM-US. In addition, you can also download any drawing or specification from our web site – www.besam.com.

Lustrous Colors & Finishes
The designer’s imagination is our palette for materials and colors. We offer an extensive choice of finishes including aluminum, anodized, painted, powder coated, stainless steel and brass-clad. Custom colors are also available.

AIA Registered CEU Course Available
Specifying automated doors is not automatic! Take our course and learn about different automatic door types, applications, limitations and code issues. In addition to building upon your product knowledge, you will receive one HSW learning unit credit from AIA for completing the Besam Automatic & Revolving Door course. Contact Besam for an AIA accredited in-house presentation.

World-Class Customer Support
Besam’s automatic door specialists can be counted on to provide around-the-clock first-rate service that is reliable and cost-effective. We offer complete customer assistance from planning through installation and service, including Planned Maintenance programs that are tailored to your specific needs. Besam services all brands of automatic and manual doors, making us the one-stop shop solution for all your door service needs.
Besam – Superior Service

We are focused on maintaining your Besam equipment to operate safely and efficiently. Our extensive service capabilities throughout North America include trained technical specialists, around-the-clock emergency service, centralized dispatch and customized reporting to track your door service history. Our service vans come equipped with all necessary components to insure any problem can be corrected quickly. And Besam does not just maintain our own doors! We also provide service of all brands of automatic and manual doors.

Our Total Door Management program begins with computerized systems to track and manage your door service history, including histories per location, per region, per manufacturer or per door enabling you to make well-informed decisions regarding your automatic door packages.

Our Planned Maintenance Agreements are ideal to minimize door down time and reduce the total cost of door ownership. Similar to automobile maintenance inspections, Besam will send a certified technician to perform service checks that will keep your automatic doors operating safely and efficiently, minimizing unscheduled repairs. During these regularly scheduled visits, our technicians will clean, inspect, lubricate, and adjust rollers, tracks, gear boxes, pivots, belts and other important components of your door equipment. In addition, your controls will be adjusted to comply with ANSI code guidelines.

To help you manage your door expenditures, we offer several maintenance agreements to provide increased protection and minimize fluctuations in your month-to-month spending. Both our Labor and Full Maintenance Agreements allow you to budget more closely the cost of keeping your doors operating safely and efficiently. Our Labor Agreement includes both planned maintenance scheduled visits and all labor charges for unscheduled repairs, while you still pay for any parts used. Our Full Maintenance Agreement provides even more protection by adding parts coverage to the Labor Agreement.
Unislide™ - An Exceptional Performer
The Unislide is a state-of-the-art automatic sliding door system. Sleek styling and technological advancements make this package ideal for any architectural project. The options are virtually limitless – you can choose from overhead concealed, surface mounted, telescopic, all glass, hurricane resistant or even curved sliding door. A variety of features make Unislide unique:

- Closed header design eliminates the usual gaps found in the headers of traditional sliding door systems hiding unattractive screws and mechanical parts. This design makes the Unislide essentially noise-free and reduces dirt and debris that can enter in the header and create operational challenges.
- Designed with unique structural capabilities, the Unislide can span up to 16’ without overhead support. The sturdy construction prevents sagging of guides, roller and tracks reducing maintenance concerns and issues.
- The motor is strong and extremely efficient requiring a maximum of 3A current draw. Five operators can run on one 20A line – reducing operation costs significantly.

Unislide™ Resilience - Hurricane Rated For Superior Strength
Besam’s Unislide Resilience provides the same sleek aesthetics as the standard Unislide package, while meeting the strict South Florida Building Code that Dade county officials enacted after Hurricane Andrew made landfall in 1992. The Resilience package offers the customer several benefits and features:

- Full impact door package tested and approved at 70 psf (167 mph) for full breakout and fixed sidelite packages. Non-impact door package has been tested to 60 psf (155 mph).
- Panic exit device is available on full breakout packages and complies with NFPA 101 life safety code requirements for single action egress.
- Narrow profile aluminum doors are attractive and allow more glass area giving you a larger entranceway while still providing greater hurricane protection. (Medium and wide stile is available if desired.)
- Comes equipped with Unislide closed header design. A single-acting lock secures the hurricane package.
Unislide™ Telescopic
Combining the benefits of sliding doors, yet allowing for greater clear door opening, telescopic doors are the answer when you require a little more space for your opening. The Unislide Telescopic package features the attractive closed header design found in the standard Unislide package and prevents the spreading of dirt and debris. Smooth operation, uncompromised aesthetics and a variety of options to choose from make the telescopic package an ideal choice for your project.

Unislide™ CGL — All-Glass Slider
When your entrance calls for an elegant statement, look to the Unislide CGL all glass slider for exceptional beauty. Providing an unobstructed view and a spectacular image, the Unislide CGL provides a graceful image to any doorway. Personalize the appearance of your entryway by choosing one our painted finishes, special anodizing, stainless steel or brass clad.
- 7” and 10” bottom rails available to meet different building codes.
- Inconspicuous lock is available in bottom rail without compromising aesthetics.
- Tinted or etched glass can also be provided for an extra element of style.

Unislide™ Clean Room
A clean room package is also available for Unislide sliding doors. The package consists of 45 degree sloped glass stops and non-shedding Santoprene weather-stripping. The Besam clean room package has been tested in an ultra-clean environment for particulates and can be used in clean rooms up to class 10. This package is available in fixed sidelite configuration.

Curved Glass Slider (CM)
Our curved glass sliding door system not only adds a three-dimensional look to entryways, but also allows for a broader door opening than provided by traditional sliding doors. The attractive design is available in a variety of finishes that are pleasing to the designer’s eye, as well as custom radii to suit your specifications.
UltraView™ – Aesthetically Pleasing

UltraView is a concealed sensor specially designed for use with Besam’s Unislide sliding door packages. Intelligent communication between UltraView and the door control ensures a proactive approach to safety by placing the door in a fail-safe position should the sensors begin to weaken or if monitoring fails between control and sensor. Optimized safety, constant monitoring and easy installation make the UltraView the ideal sensor for your Unislide door system. The UltraView sensor exceeds requirements for ANSI A156.10-2005 compliance.

**Emergency Breakaway**

Push on the leading edge of door for emergency breakout of active leaf (or active leaf-sidelite) assembly. Emergency breakout can be achieved when door is in any position.

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**Unislide Sliding Doors**

<table>
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<tr>
<th>Header Configuration</th>
<th>Overhead Concealed</th>
<th>Surface Mounted</th>
<th>Telescopic</th>
<th>Single Slide</th>
<th>Bi-Part</th>
<th>Telescopic OHC</th>
<th>Telescopic - Surface Mount</th>
<th>Telescopic - Clean Room</th>
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<tbody>
<tr>
<td>Door Configuration</td>
<td>All Glass</td>
<td>Single Slide</td>
<td>Bi-Part</td>
<td>Telescopic</td>
<td>Emergency Egress</td>
<td>Fixed Sidelite</td>
<td>Full Breakout</td>
<td></td>
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<tr>
<td>Operator Type</td>
<td>Electromechanical</td>
<td>Complies with ANSI 156.10</td>
<td>Medium to Heavy Traffic</td>
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<tr>
<td>Miscellaneous</td>
<td>Interface with Panic Devices</td>
<td>Interface with Access Control Devices</td>
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Perfect for Demanding Environments
Intensive and critical care units are high-traffic areas where needs change at a moment’s notice. Equipment such as wheelchairs, gurneys, medical carts and other devices are continuously brought in and out of rooms. In addition, a varying number of hospital staff rely on repeated and reliable access to ICU/CCU areas. Besam has a complete line of manual sliding doors to fit any ICU/CCU room.

ICU/CCU
Besam’s sliding door package has been redesigned based on Unislide mechanics and includes several advantages to the function, operation and breakout features on the trackless package.

- Smoke seal packages available for standard 2- and 4-panel packages.
- Features an appealing and functional closed header design that prevents spreading of dust, germs and debris while attractively framing your entrance. The package operates smoothly with no dragging or resistance.
- An interlocking pivot configuration prevents improper use during emergency breakout and includes an effective tube which prevents the door from being broken out if not in the full open position.
- Heavy duty rollers, concealed pivots and associated devices use the same durable hardware that is used in our Unislide automatic sliding door packages.
- Standard manual sliding door packages are available in 2-, 3- and 4-panel and can be specified with trackless configuration.
- Optional Positive Latch with sliding 2- and 4-panel packages. This lock will latch the active leaf in place when closed. A lever handle comes equipped on each side of the active leaf door to unlock the sliding door.

Telescopic ICU/CCU
Telescopic ICU/CCU door systems allow for a greater clear door opening where more space for entering and exiting is required.

- The telescopic variety is available in 3- or 6-panel configurations with full breakout and fixed sidelite packages as options.
- Can be specified with trackless, recessed track and non-panic configurations.
This package is an improvement on traditional ICU/CCU sliding doors and eliminates congested hallways and obstructions by floor tracks while providing ease of use for hospital personnel.

- The Bi-Way three-panel unit combines the advantages of a manual folding door and a manual swing door.
- Opens easily and its swing door stays in the hold-open position when pushed to 90 degrees.
- Besam SW100 (low energy operator) can be easily installed onto your existing manual door(s) to make it fully automatic.

Smoke Seal Package
Besam offers a smoke seal option for our standard 2- and 4-panel ICU/CCU doors. The smoke seals provide a barrier between the elements and possible gaps in a door package. Seals are specified for their ability to greatly reduce smoke infiltration, positive or negative air pressures and airborne infectious diseases. The seals are tested for smoke and air infiltration per UL1784 section 7.1 & 7.2.

<table>
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<th>A Variety of Options to Suit Your Needs</th>
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<tr>
<td></td>
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<tr>
<td>Trackless</td>
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<tr>
<td>Recessed Track</td>
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<tr>
<td>Surface Mounted Track</td>
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<tr>
<td>Smoke Seals</td>
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<tr>
<td>2-Panel</td>
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<tr>
<td>3-Panel</td>
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<tr>
<td>4-Panel</td>
</tr>
<tr>
<td>6-Panel</td>
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<tr>
<td>Full Breakout</td>
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<tr>
<td>Fixed Sidelite</td>
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The Besam PowerSwing has an electro-hydraulic operator designed for a wide variety of applications. The PowerSwing has several unique characteristics:

- It can be used in moderate wind conditions.
- It’s strong enough for medium-duty applications, yet suitable for low-energy applications.
- Designed to be surface mounted to existing fixtures with little or no modifications, easily transforming your existing manual doors for ADA compliance.
- Housed in an attractive aluminum cover, the PowerSwing is available in clear, bronze or custom colors and finishes.

Swingmaster®

The Swingmaster is a high quality performer and does extremely well in tough and rugged conditions. Customers will be pleased with the benefits Swingmaster has to offer:

- Quiet operation
- Fast installation and servicing
- Available as single pair, pair or pair egress
- Durable and strong
- Overhead concealed and surface mount options

Visit [www.besam.com](http://www.besam.com) to view our drawings and specifications.

Ask about our steel reinforced doors designed for hurricane prone areas.
Swinging Doors

Automatic Fire Door Package
UL rated fire door packages are available for both the PowerSwing and Swingmaster. In the event there is smoke, fire or power failure, a UL listed sensing device sends an impulse to deactivate the Besam automatic operator and approved latch mechanism. The latch/latches secure the door and function as manual fire doors. The fire package is available in single, pairs or double egress.

PassPort 9000
In addition to operators, Besam offers a complete door package consisting of a Swingmaster operator, aluminum door and complete safety system. Adaptable to many applications, the PassPort 9000 is the definitive solution when you require a complete swing door system. It includes:

- Reliable Swingmaster operator used in hundreds of thousands of worldwide installations
- Solid construction of Besam’s aluminum door
- Motion sensor for activation
- Overhead presence/device sensor
- Door mounted presence sensor
- Besam supplied sensors comply with ANSI Standard A156.10-2005 for pedestrian automatic doors

Visit Our Web Site – www.besam.com – For Additional Swing Door Drawings

Technical Data:
Power Supply
120V, 20amp, 60Hz
SW100 (Low Energy Operator)
Low energy applications are required on many doors within a facility, but not all operators have the durability and strength to stand up to demanding environments. Besam is pleased to introduce the SW100 low energy operator with gentle enough push forces to meet low energy codes, but stand up to manual use and mild wind conditions. Automate your existing manual doors with an operator that has several innovative features.

SW100 Features and Benefits:
- Manual push forces to meet ANSI A156.19 - 2007
- Use on exterior doors
- Quiet operation
- Electro-mechanical
- Adjustable spring close
- Electric strike integration
- Integration with overhead presence devices for safety

Bi-Fold Door Dimension Chart

<table>
<thead>
<tr>
<th>Overall Frame Width</th>
<th>Clean Door Opening</th>
<th>Masonry Opening Width/Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>3' 9 1/2&quot; (1156mm)</td>
<td>33 1/4&quot; (845mm)</td>
<td>3'10&quot; x 7' 6 1/4&quot; (1168 x 2284mm)</td>
</tr>
<tr>
<td>4' 3 1/2&quot; (1308mm)</td>
<td>39 1/4&quot; (997mm)</td>
<td>4'4&quot; x 7' 6 1/4&quot; (1320 x 2284mm)</td>
</tr>
</tbody>
</table>

Bi-Part

<table>
<thead>
<tr>
<th>Overall Frame Width</th>
<th>Clean Door Opening</th>
<th>Masonry Opening Width/Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' 3 1/2&quot; (1918mm)</td>
<td>54 1/2&quot; (1384mm)</td>
<td>6'4&quot; x 7' 6 1/4&quot; (1929 x 2284mm)</td>
</tr>
<tr>
<td>7' 3 1/2&quot; (2223mm)</td>
<td>66 1/2&quot; (1689mm)</td>
<td>7'4&quot; x 7' 6 1/4&quot; (2234 x 2284mm)</td>
</tr>
<tr>
<td>8' 3 1/2&quot; (2527mm)</td>
<td>78 1/2&quot; (1994mm)</td>
<td>8'4&quot; x 7' 6 1/4&quot; (2538 x 2284mm)</td>
</tr>
</tbody>
</table>

In A Tight Spot?
Besam offers the Ready-Fold, automatic folding door system – ideal for retrofit projects or new construction where space is limited. The Ready-Fold package is designed for two-way traffic convenience without the large space required by traditional automatic swing and slide doors. Our customers have found a number of features beneficial with our automatic folding door systems:
- Barrier-free, two-way traffic to accommodate the tightest spots.
- Two- or four-panel
- Out-fold or in-fold
- The Ready-Fold 400 series utilizes the durable Swingmaster operator used in over 300,000 North American installations.
- In case of an emergency of power failure, push the door manually in the direction of the egress and the doors will swing open.

Technical Data:
Power Supply
120V, 20amp, 60Hz

Standard overall frame height: 89 1/2" (2273mm). Maximum overall frame height: 102" (2591mm). Visit www.besam.com to view our drawings and specifications.
Besam – Your One-Stop Shop for Automatic Revolving Doors
Not only does Besam design and build automatic doors, we also have over 8,000 revolving door installations worldwide. Besam has built the foundation for superior performance, quality and reliability in revolving door packages.

Two-Wing Revolving Doors
Besam’s UniTurn series has greater flexibility due to the elimination of the center shaft. As a result, the compartment area is much larger and capable of accommodating shopping and luggage carts, wheelchairs, stretchers and even crowds with ease. The 18’ diameter package allows a traffic capacity of up to 5,880 people per hour. A weather-tight barrier seals elements out and keeps conditioned air inside yielding greater energy savings.

Three- and Four-Wing Compact for Access Control
The RD series access control revolving doors have fully automatic entrance control for both interior and exterior use. Barrier and draft-free access, noise reduction and energy efficiency are what set our revolving doors apart from conventional door packages. The RD series also allows for cost-effective alternatives to traditional security stations and monitoring systems.

Manual Revolving Doors
Besam now offers a manual revolving door system – the RD4M. The RD4M is a 4-wing manual revolving door system that allows unencumbered access to your facility while still preserving maximum energy efficiency for your building. Dynamic aesthetics combined with superior quality make this system ideal for any commercial entryway.