

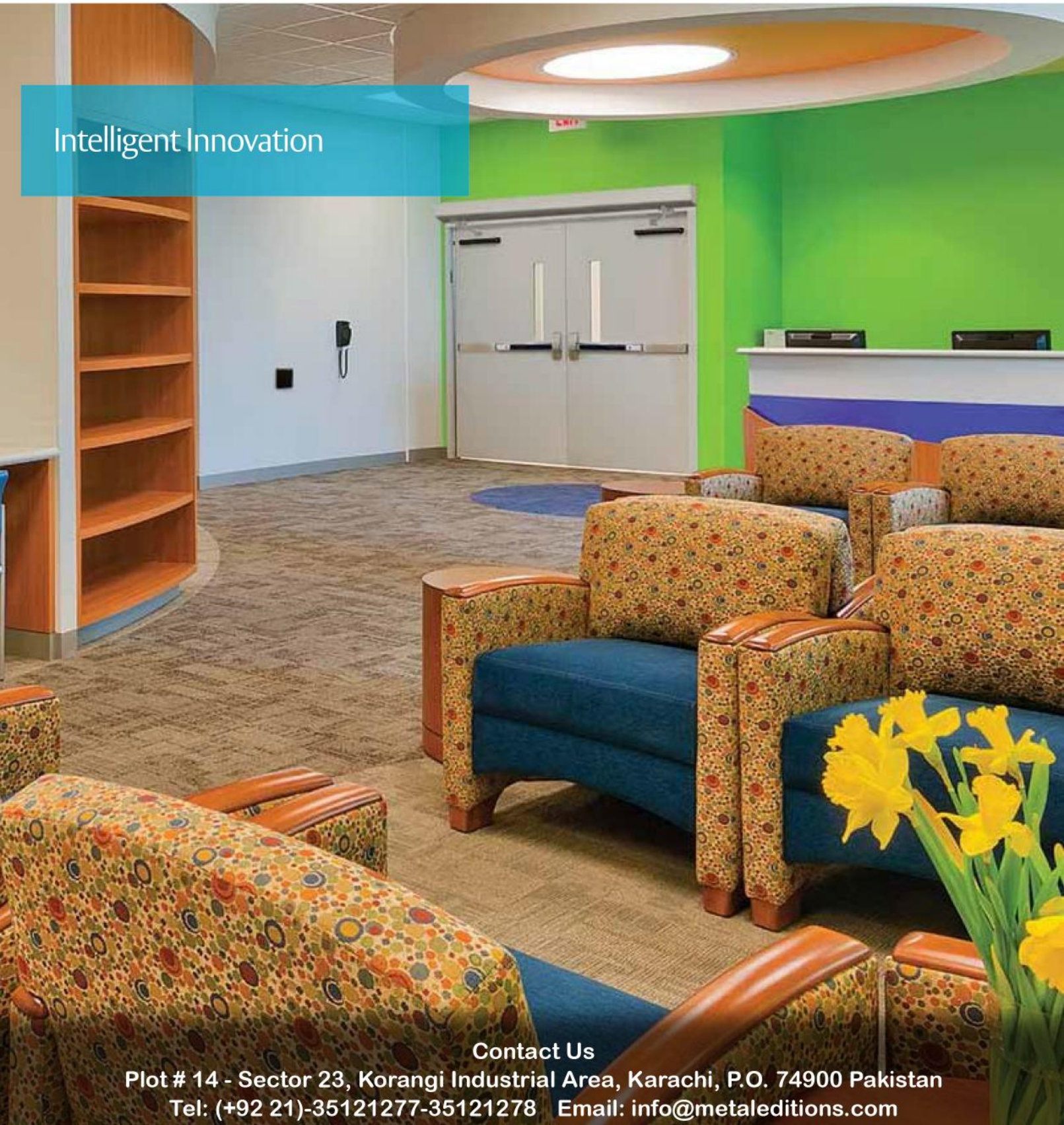


Swing Door Besam SW200i™

ASSA ABLOY Entrance Systems

The global leader in
door opening solutions

Intelligent Innovation



Contact Us

Plot # 14 - Sector 23, Korangi Industrial Area, Karachi, P.O. 74900 Pakistan

Tel: (+92 21)-35121277-35121278 Email: info@metaleditions.com



The simple solution to all swing door challenges

If you design or manage facilities with automatic swing doors, you know there are several issues to address. Closing against wind conditions, encountering interior stack pressure, meeting low energy manual push forces, functioning to pedestrian codes or overcoming latch hardware all represent challenging conditions where swing door operators must adapt and perform.



By creating a single operator with flexibility to perform well in varying environments and conditions, ASSA ABLOY Entrance Systems made the specification, design, and selection process significantly easier. And because

the Besam SW200i delivers proven performance for a number of different configurations, it provides facilities with more solutions and even greater flexibility.

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AIR PRESSURE MANAGEMENT

Stack Pressure Compensation
Intelligent Trajectory Control
Extended Closing Torque (ECT)

ENERGY EFFICIENT

Separate Time Delay
Power Surge Protection
Brown Out Performance

SECURE LATCH

Latch Retry
Electric Lock Management
Security Integration
Astragal Coordination

EASY OPEN

Manual Push Forces
of 5-15 lbf
Power Assist

MAXIMUM STRENGTH

700 Pounds Max Door Weight

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Proven performance in the most demanding environments

AIR PRESSURE MANAGEMENT

Stack Pressure Compensation

Allows for door to adjust to changes in variable pressures by utilizing the Besam SW200i exclusive Intelligent Trajectory Control and Extended Closing Torque (ECT).

Intelligent Trajectory Control

The Besam SW200i knows where the door should be at all times and adjusts torque accordingly through dynamic braking which helps cushion the door during the opening or closing cycles.

Extended Closing Torque (ECT)

The last 10 degrees of the closing cycle is the most challenging for a swing door operator, Besam's exclusive Extended Closing Torque (ECT) functionality provides extra torque, if needed, to close and latch the door. Speed remains constant so the door stays within ANSI standards.

EASY OPEN

Manual Push Forces of 5-15 lbf

Easy to push open manually, yet strong enough to close and latch despite wind or air pressure.

Power Assist

Makes a heavy door (or spring) feel light.

MAXIMUM STRENGTH

700 Pounds Max Door Weight

The BesamSW200i can handle door weights of up to 700 pounds per operator.

SECURE LATCH

Latch Retry

If the door does not latch when closing, the Besam SW200i will detect this condition and immediately open the door to 10 degrees and execute two attempts to latch the door.

Electric Lock Management

Features latch retry and electric lock management that momentarily reverses the closed door before opening to insure lock release. Monitors locks if equipped with that functionality.

Security Integration

The Besam SW200i operator knows when the door is closed and can provide a signal for security monitoring.

Astragal Coordination

On-board electronic coordinator controls that doors always close in right order and can therefore be properly locked. Coordinator allows door with astragal to open first, close last. If in hold open, door without astragal will not pass door with astragal.



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Fits where you need it

FLEXIBILITY AND VALUE

On-Board Functionality

The Besam SW200i has on-board capabilities such as timing sequencing, transformer, astragal coordination and Extended Closing Torque (ECT).

Adaptable for Multiple Uses

One operator can handle all your facility needs – wind conditions, pedestrian usage, low energy, manual use, etc.

Battery Back-up

The optional battery back-up system allows for continued operation after power fails.

ENERGY EFFICIENT

Separate Time Delay

The Besam SW200i includes two time delays for separate devices (i.e., standard activation, key activation). If a device is located further than another, separate opening/closing times can be set to best maximize operation, enhance security and reduce air infiltration.

Power Surge Protection

The Besam SW200i operator can handle variances in power without damage to the unit or impact to performance.

Brown Out Performance

The operator can adjust to dips in power and continue to operate from 85V – 264V.

Low Energy Consumption

Four operators can run on one 20 amp line – saving you energy.

Directional Sensors

Units equipped with directional sensors reduce air infiltration by allowing less time with the door open.

SERVICE SAVINGS

Adapting to Changing Needs

Air flow can change in a building as configurations evolve (new doorways, rooms, HVAC systems, etc.). Other operators can change performance in these situations and require a service call for adjustment. The Besam SW200i adapts to changing environments, thereby saving you the cost of service calls for these necessary adjustments.

Non-volatile Memory

When the power goes out, other operators can go through a relearn mode. The Besam SW200i retains its memory even after a power loss, providing you with more consistent performance and consistent opening and closing.

Fuseless Technology

No fuses to replace allows for consistent performance and reduces service call requirements and costs.

A clear advantage over the competition



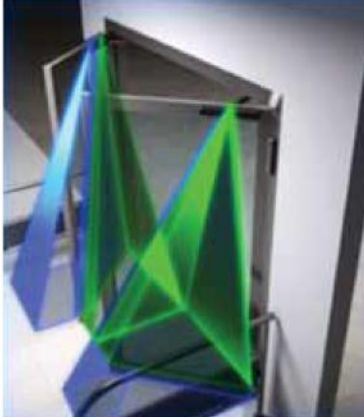
| Attribute | Besam SW200i | Others |
|---|--------------|-------------|
| MAX WEIGHT OF DOOR | 700 lbs | 200-350 lbs |
| MANUAL PUSH FORCES OF 5 TO 15 LBF | • | |
| AUTOMATICALLY COMPENSATES FOR STACK PRESSURE | • | |
| ON-BOARD EXTENDED CLOSING TORQUE (ECT) | • | |
| ON-BOARD TRANSFORMER | • | |
| ON-BOARD TIMING SEQUENCER | • | |
| AUTOMATICALLY MEASURES INERTIA AND WEIGHT OF DOOR DURING SET-UP | • | |

A full line of sensor solutions

Swing doors complying with pedestrian standards have varying needs and requirements. When complying with ANSI A156.10 standard for power operated pedestrian doors, the Besam SW200i is available with three Besam i-Adapt sensor packages. Choose the package that's right for you.

Besam SW200i i-Adapt Sensor Systems

Offering three levels of coverage to exceed ANSI A156.10*

| I-ADAPT FLEX 101 | I-ADAPT FLEX 102 | I-ADAPT PREMIUM 202 |
|---|--|---|
|  |  |  |
| <p>Door mounted presence sensor (swing side) Overhead presence sensor</p> | <p>Door mounted presence sensor (swing & approach side) Overhead presence sensor</p> | <p>Door mounted presence sensor with adaptive field (swing & approach side)</p> |

*Activation devices available separately

Keeping your entrances up-to-date

To meet evolving safety standards and keep your equipment operating in top condition, there's no better partner than ASSA ABLOY Entrance Systems. Our swing door operators are backed by comprehensive service and expert technicians. With a carefully selected stock of service parts, our certified technicians can maintain, service and upgrade not only Besam equipment, but all brands. They can be counted on for expert advice and quick dispatch in the event of an emergency...24/7.



Metal Editions (Pvt) Ltd.
Automated Entrance Solutions - Complete Docking System



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Flexible configurations for any application

The Besam SW200i is available in a variety of configurations, sizes and finishes to suit the requirements of any project. Consult with an ASSA ABLOY Entrance Systems automatic door specialist to determine the best equipment, configuration, and layout to help you achieve code compliance, maximize energy efficiency and optimize traffic flow.



Surface Mount

The Besam SW200i in surface mount configuration is ideal for new construction or retrofit applications...easily transforming your existing manual doors to automatic door convenience. Featuring advanced technology such as stack pressure compensation, compliance with both ANSI A156.10 and A156.19, secure latching and easy to use manual push forces, it's the only swing door operator you need.



Overhead Concealed

The Besam SW200i-OHC provides an aesthetically pleasing solution that is attractive and incomparably strong. The intelligent door operator features advanced technology that ensures smooth, gentle operation across a wide range of conditions.



Overhead Concealed with Door Package

The Besam SW200i-OHC with door package provides the convenience of an aluminum door package powered by the innovative features of the Besam SW200i operator. Aesthetics, strength and flexibility make this an ideal door package for many needs.



In Ground

The Besam SW200i-IG provides reliable in ground mounting provided as a complete system: the powerful Besam SW200i operator, moisture resistant enclosure and adaptability to multiple arm systems to provide you with the utmost in flexibility.



Pro-Active Care Service

Keep your doors at optimal performance levels with ASSA ABLOY Entrance Systems Pro-Active Care Service. We offer upgrades and modernization of existing swing equipment to Besam SW200i performance.



Application Expertise

Code compliance, sensor selection, access control integration...consult the experts at ASSA ABLOY Entrance Systems to help you design or configure your entrance or corridor to your specific needs.