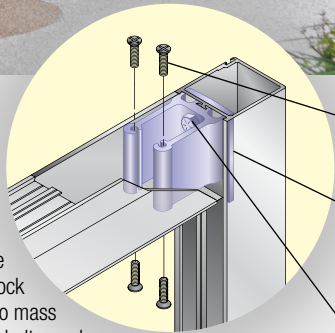




Automatic Entrance Systems





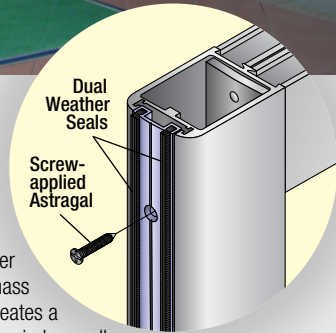
Rugged Corner Block Construction

Heavy duty rails with integral corner blocks add structural integrity to all Horton door systems. This exclusive mortise-style corner block construction is far superior to mass produced through-bolt panels.

Four #10-24 bolts secure corner block to horizontal rail

Concave steel back-up plate engineered as built-in self locking device for Grade 8 bolts

Two 1/4-20 bolts secure corner block to vertical rail



Double Astragal Weather Seals Save Energy

Weather seal material is captured in Aluminum extruded astragal that is screw-applied to panel rather than with adhesive as mass produced systems. This creates a positive seal that stands up to wind as well as to the highest traffic conditions.

Dual Weather Seals
Screw-applied Astragal

Tougher. Greener. Horton.

*Did You Know?
Horton invented
America's first
automatic sliding
door system in
1960.*

Offering tangible advantages for green design along with a solid reputation for rugged dependability, Horton door systems are the proven choice for a high performance, sustainable building.

Select from a wide range of access solutions including several innovative packages for healthcare facilities, security entrances, service windows, hurricane-rated applications and other installations that are well-known strengths of the Horton brand. All systems feature rugged corner block construction plus superior weather seals in exterior doors for environmental efficiency.

Horton's unique design platform and manufacturing approach make it easy to obtain custom touches that other door fabricators cannot match. Let us demonstrate our superior quality, service, support and custom capabilities on your next project.

Product Functions



ADA



Security

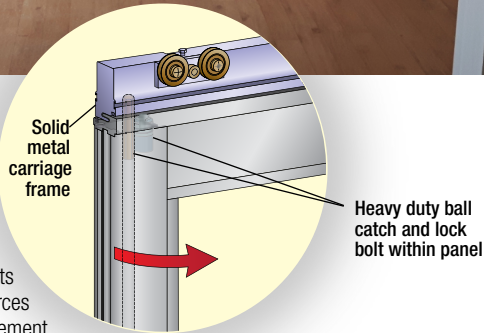


Energy Efficient



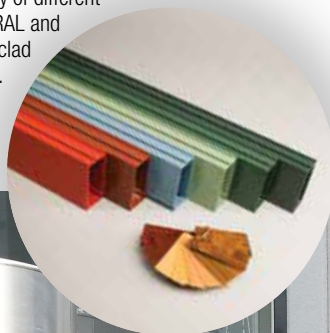
**Solid Metal Carriage Frames
Reduce Maintenance**

Emergency breakout panels are reinforced with a heavy duty, solid metal top carriage frame. Better than competitive thin-wall extrusions, this exclusive Horton feature protects the guide wheels and withstands breakout forces that otherwise can lead to early replacement.



Custom Finishes To Enhance The Aesthetics Of Your Design

Horton door systems can be provided in a variety of different finishes, including polyester powder coating to RAL and BS colours, natural silver & colour anodised and clad in true metal finishes, such as stainless steel.



Standard and Custom Solutions

Sliding Door Systems 4

- ProSlide™ Belt Drive 5
- ProSlide™ Telescoping 5
- Hurricane Rated Systems 6
- Elegant® All-Glass 6
- HD-Slide™ Heavy Duty Belt Drive 6
- Profiler®-ICU Manual Sliding 7
- Smoke Rated ICU/CCU Systems 7

Swing & Folding Door Systems 8

- HD-Swing™ Door Operator 8
- FoldingAccess™ Folding Doors 8
- Other Swing Door Packages 9
- ICU/CCU Bi-Fold/Bi-Swing™ 10
- SmokeSwing 10
- ICU/CCU STC-35 Swing 10

Revolving Door Systems 11

- Grand® Revolving Doors 11
- MiniGrand® Revolving Doors 12
- AutoFlow™ Hands Free 12
- EasyFlow™ Manual 12
- ClearFlow™ Manual 13
- Sensors for Revolving Doors 13

Security Revolving Doors 13

- ControlFlow™ Security 13
- Visdom ELITE™ 14

Industrial Sliding Door Systems 15

Platform Screen Doors 16

Secure Exit Lanes 17

Service Windows 17

Sliding Door Systems



Horton Automatics sliding door systems are used in a wide range of commercial, retail and healthcare applications. Standard door packages from 2150mm to 5000mm unit widths. Door configurations are offered in 2, 3 or 4 panel designs, single sliding or bi-parting with a choice of polyester powder coated, anodised or metal clad finishes. Narrow, medium and wide stile door panels as well as all-glass Elegant® design are also available.

Standard Features

- Exclusive high strength corner block construction
- Polyester powder coated to a standard RAL colour
- Fully monitored safety sensors
- User selectable operating nodes



Shown: Type 310 Bi-Parting installation with emergency breakout sliding panels.

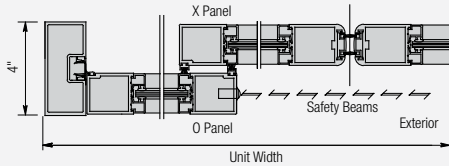
Ultimate Drive Mechanism Dependability



At the heart of these hardworking systems is a choice of automatic sliding door operators. All are engineered with high performance, high power DC motors (¼ HP option for Series 2001 heavy duty operators) plus microprocessor control with monitored safety systems, digital displays for visual adjustment of settings and diagnostics.

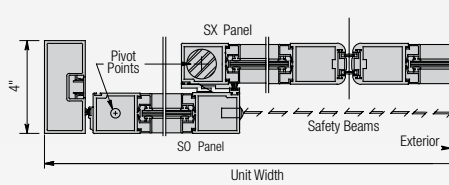
Installation Key (Door Types)

Consult factory for other options



Type 010

No breakout capability.
Doors slide to interior of fixed sidelites.



Type 310

Largest break out area for moving wide objects.
Doors slide to the interior of fixed sidelites.

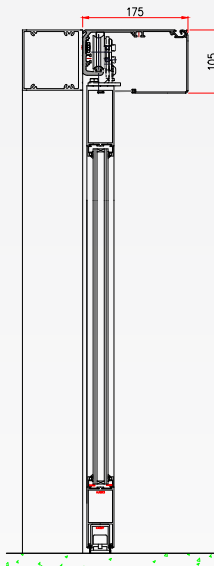
Customer Review

“Horton Automatics was instrumental in meeting our client’s stringent requirements for design, delivery and quality. Horton’s custom solution resulted in an aesthetically superior and highly functional hospital environment.”

*Russ Warrington, President
Automatic Entries, Inc., Lynnwood, WA*

Above Photo: Custom Sliding Door System for Patient Rooms at Southwest Washington Medical Center, Vancouver, WA

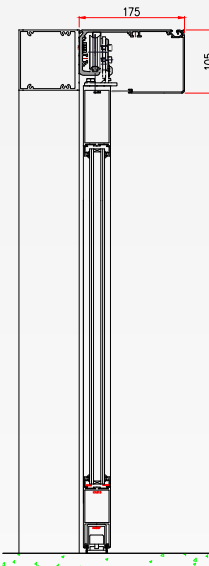
Series 2021 Plus Belt Drive Operator



- Superior aesthetics
- Door leaf weights up to 100kg (bi-parting)
- Door leaf weights up to 140kg (Single slide)
- Low profile operator 105mm deep
- Surface applied
- Redundant and break-out systems available
- Electronic locking options
- Low noise reinforced rubber drive belt

For Type 010, 110 or 310 installations

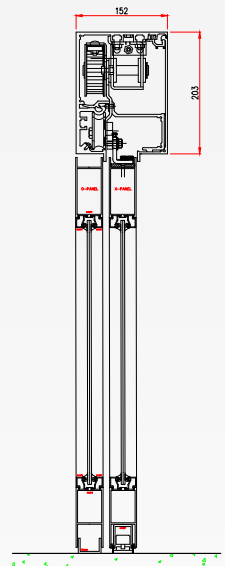
Series 2021 Plus HD Belt Drive Operator



- Superior aesthetics
- Door leaf weights up to 140kg (bi-parting)
- Door leaf weights up to 160kg (Single slide)
- Low profile operator 105mm deep
- Surface applied
- Redundant and break-out systems available
- Electronic locking options
- Low noise reinforced rubber drive belt

For Type 010, 110 or 310 installations

Series 2001 Belt Drive Operator



- Wide openings
- Door leaf weights up to 140kg (bi-part) or 230kg (single slide)
- Supplied with HD-Storm (US specification) & Transit System Doors
- Heavy Duty 153mm x 203mm operator
- 25mm reinforced neoprene drive belt

For Type 010, 110 or 310 installations



ProSlide™ 2021 Plus Belt Drive System

The 175mm x 105mm slim header reduces sight lines and offers enhanced visual appeal. Available in standard commercial narrow style Aluminium framed doors, ultra narrow European style Aluminium framed doors, thermally broken commercial Aluminium framed doors and all-glass Elegant® design.

Drive Mechanism

Series 2021 Plus belt drive operator

Applications

Two-Way General & High Traffic

- Airports & Transport Hubs
- Hospitals
- Retail
- Shopping Malls
- Offices
- Universities, colleges & schools



2000-IDS Automated ICU Isolation Door System

Sliding entrance to a positive/negative pressure isolation room.

- Perimeter seal
- Trackless flow design for unobstructed flow
- Automatic hands-free operation or manual operation

Featured in Frederick Hospital, MD.



ProSlide™ HD 2021 Plus Belt Drive System

Sharing the same slim sight lines of the ProSlide, this heavy-duty belt-drive door system is engineered to provide long life and quiet operation.

Drive Mechanism

Series 2021 Plus belt drive operator

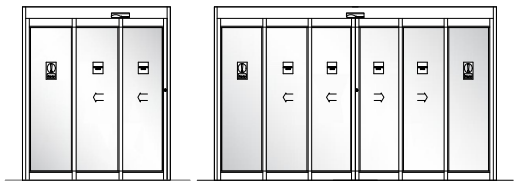
Applications

Two-Way General & High Traffic

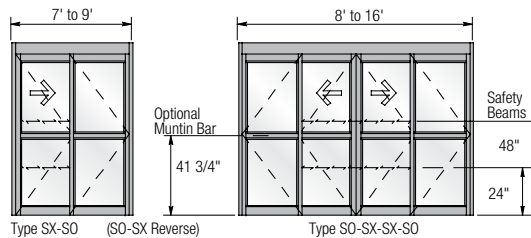
- Airports
- Supermarkets
- Hospitals
- Hotels/Resorts
- Shopping Malls



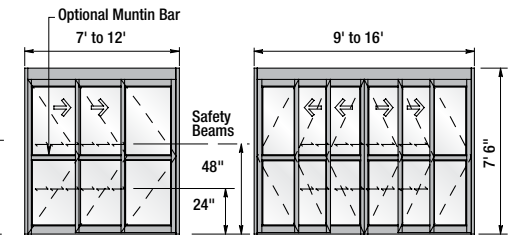
Type 110



Type 110T



Type 310



Type 310T

Selection Guide		Model	Type	Unit Width	Max. Clear Opening	Type 110 Breakout Opening	Type 310 Breakout Opening
	Profiler® & ProSlide™	Single		7' to 9' (2134–2743)	3' to 4' (914–1219)	3' 3/2" to 4' 3/2" (1003–1308)	6' 3" to 8' 3" (1905–2515)
		Bipart		8' to 16' (2438–4877)	3' to 7' (914–2134)	3' 7" to 7' 7" (1092–2311)	6' 9/2" to 14' 9/2" (2070–4509)
	ProSlide™ Telescoping	Half		7' to 12' (2134–3658)	3' 7/2" to 6' 11/2" (1105–2121)	2' 1 1/4" to 3' 9/4" (641–1149)	6' 1" to 11' 1" (1854–3378)
		Bi-parting		9' to 16' (2743–4877)	4' 1 1/2" to 8' 9/2" (1257–2680)	2' 7 1/2" to 4' 11 1/2" (800–1511)	7' 5" to 14' 5" (2261–4394)

Sliding Door Systems Continued



Curved Sliding

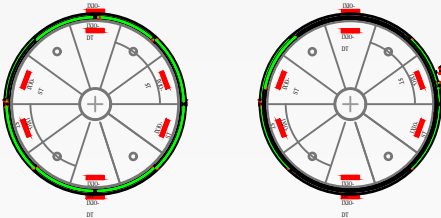
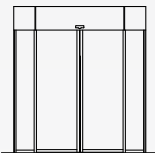
Automatic Curved Door Systems

The circular entrance design provides a larger opening in comparison with linear sliding doors. Ideal for busy entrance areas, the system is engineered for longevity and quiet operation. At the heart of those hardworking systems are the heavy-duty Horton operators with powerful microprocessor controlled motors.

Available in half or full circle designs with single sliding or bi-parting doors in a full range of finishes.

Features/options

- Custom manufactured to opening requirements
- Microprocessor controls with built-in diagnostics
- Electric locking
- Interlock operation
- Monitored battery back-up
- Security locks
- Extended canopy heights
- Bespoke glazing, finishes and sizes



Size Guide	Outside Diameter	Height Under Canopy
	2200 to 3000	2100 to 2300

Available with enhanced and bespoke canopy design



Elegant®

All Glass Door System

With frameless styling, Elegant® door system creates a visually striking entrance to your building, while offering the advantages of automatic operation and energy efficiency. Supplied with 12mm toughened safety glass. Emergency break-out option (with 2001 operator).

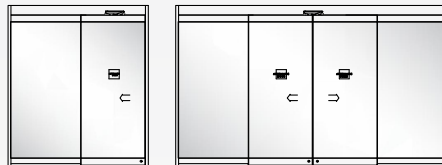
Drive Mechanism

- Series 2021 Plus Belt Drive Operator
- Series 2021 Plus HD Heavy-Duty Belt Drive Operator
- Series 2001 Belt Drive Operator

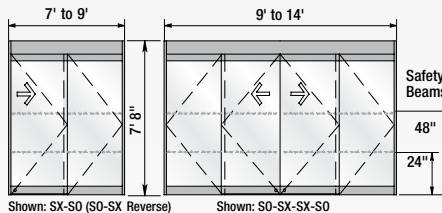
Applications

Two-Way Traffic, All-Glass Design

- Hotels/Resorts
- Office Buildings
- Medical Facilities
- Retail



Type 110



Type 310



HD-Slide®

2001 Heavy-Duty Belt Drive System

Developed for use with large commercial and industrial doors up to 230kg, this system is engineered with a high capacity header, heavy-duty power train and breakouts. An optional ¼ HP motor is available to accommodate extreme requirements.

Drive Mechanism

- Series 2001 Belt Drive

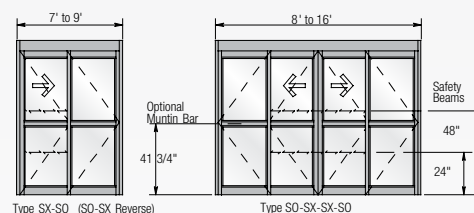
Applications

Two-Way Traffic, Large/Heavy Doors

- Hotels/Resorts
- Office Buildings
- Medical Facilities
- Bullet-Resistant Glass Available





Type 110



Type 310



Selection Guide

Model	Type	Unit Width	Max. Clear Opening	Type 110 Breakout Opening	Type 310 Breakout Opening
 Elegant®	Single	7' to 9' (2134 – 2743)	3' to 4' (914 – 1219)	3' 1¼" to 4' 1¼" (959 – 1264)	6' 3" to 8' 3" (1905 – 2515)
	Bi-part	9' to 14' (2743 – 4267)	3' 6" to 6' (1067 – 1829)	3' 10" to 6' 4" (1168 – 1930)	7' 9½" to 12' 9½" (2375 – 3899)
 HD-Slide™	Single	7' to 9' (2134 – 2743)	3' to 4' (914 – 1219)	3' 3½" to 4' 3½" (1003 – 1308)	6' 3" to 8' 3" (1905 – 2515)
	Bi-part	8' to 16' (2438 – 4877)	3' to 7' (914 – 2134)	3' 7" to 7' 7" (1092 – 2311)	6' 9½" to 14' 9½" (2070 – 4509)



Profilor® -ICU

Manual & Self Closing Sliding Doors

Designed specifically for the critical care environment of ICU/CCU rooms, these multi-function doors keep patients in full view when doors are closed and enhance infection control. The optional swing out function can allow the maximum clearance for beds and equipment, particularly where structural openings are limited.

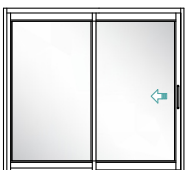
- Choice of two, three, four or six panel configurations
- Trackless design option for easier installation, unobstructed mobility and superior hygiene
- Available with swing out/in function
- Available with self-closing mechanism
- Available with multiple privacy glass options



Multi-access design allows clear monitoring of the room and full breakaway to move patients.



Optional mini-blind glass provides light control and privacy.



* Patent Pending



Profilor® -ICU Smoke Rated

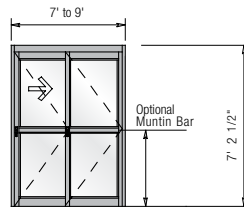
Manual & Self Closing Sliding Doors

Exceeding the air leakage requirements of NFPA 105 per UL 1784, the Profilor® -ICU smoke rated door system features:

- Concealed high-temperature gasket or brush design
- Positive latching handles
- Slide doors available in trackless configurations
- Available self-mechanism



Modified door nosings, bottom rails and interlock seals exceed smoke infiltration requirements of NFPA105.



Type SX-SO (SO-SX Reverse)

Type 310

Manual & Self Closing



* Patent Pending



Profilor® -ICU Smoke Rated Telescoping ICU/CCU

Manual Telescoping Doors

The first smoke-rated ICU/CCU door system offered in a telescoping design, this system extends access up to 80 inches, with standard and custom packages offered from 7 to 12 feet.

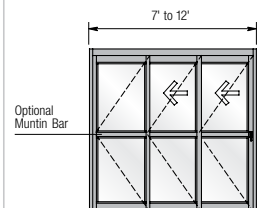
- Up to 78% greater access width than standard smoke-rated single sliding ICU doors
- Smoke rating per UL 1784 and NFPA 105 standards
- Trackless floor design for unobstructed traffic flow
- Low profile header for superior aesthetics
- Positive latching handles and interlock seals



Telescoping system provides up to 80 inches of clear opening width for beds and equipment.



Both moving panels slide open smoothly with one-hand operation and close with full interlock seals.






Type SO-SX-SX (SX-SX-SO Reverse)

Type 310T

* Patent Pending



Selection Guide				
Model	Type	Unit Width	Max. Clear Opening	Type 310 Breakout Opening
 Profilor® -ICU	Single	7' to 9' (2134-2743)	3' 1" to 4' 0 7/8" (940-1241)	6' 1 1/4" to 11' 1 1/4" (1873-3397)
	Telescoping	7' to 12' (2134-3658)	3' 9" to 7' 1" (1143-2159)	6' 1 1/4" to 11' 1 1/4" (1873-3397)
 Profilor® -ICU Smoke Rated	Single	7' to 9' (2134-2743)	3' 1" to 4' 0 7/8" (940-1241)	6' 3" to 8' 3" (1905-2515)
 Smoke Rated Telescoping ICU/CCU	Single	7' to 12' (2134-3658)	3' 9" to 7' 1" (1143-2159)	6' 1 1/4" to 11' 1 1/4" (1873-3397)

Swing and Folding Door Operators & Packages



Whether for new construction or an existing building, Horton Automatics swing and folding door systems provide a full range of access solutions for low energy, handicap, or high-traffic automatic access applications.

Operator Features

Series 4100 and Series 4000

- Adjustable opening and closing speeds
- Adjustable hold-open times
- Push-N-Go® activation
- Full monitoring of all safety devices
- Inbuilt obstruction sensing reduces opening force when obstructed

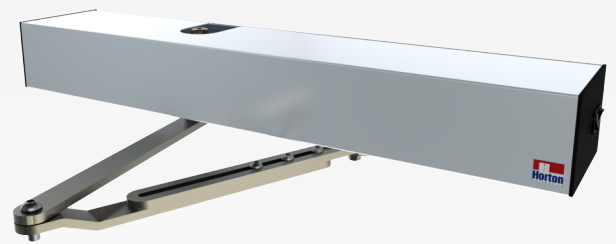
Options

- Single or Paired Doors
- Choice of in-swing, out-swing non-handed operation (Series 4100 Plus)
- Choice of in-swing, out-swing, left or right handed operation
- Available as a surface applied operator
- Available as an in-head concealed operator (4000 Series only)

Applications

One-way or Two-way Traffic

- Retail
- Hospitals
- Hotels
- Office Buildings
- Industrial
- Airports
- Government
- Schools and Libraries



Custom finishes available.

Customer Review

"I just want to say thank you very much for your automatic doors!

I am in a wheelchair and your doors simplify my life incredibly."

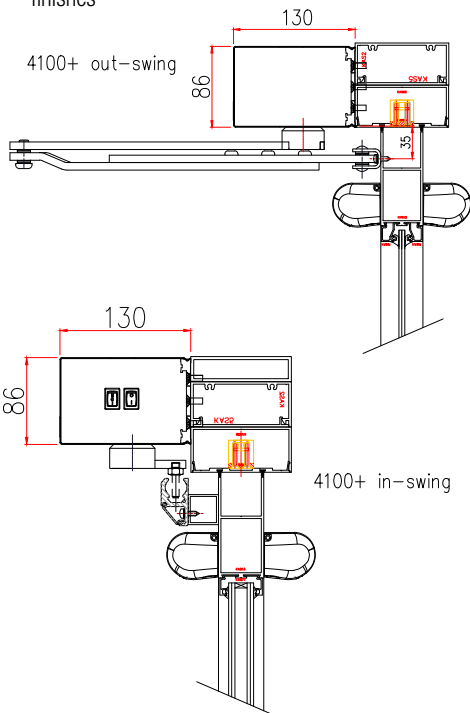
*Briony Chisholm
Cape Town, South Africa*



HD-Swing™ Series 4100 Plus Universal Operator

Available in a wide range of configurations, the Series 4100 Plus Universal Operator is easily adapted in the field for a wide range of commercial, healthcare and retail uses.

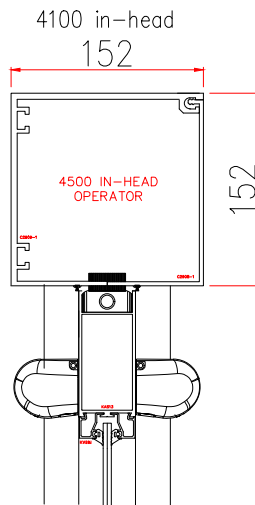
- Slimline design surface applied operator
- Heavy-duty unhandled design
- Push and pull options - Articulated push arm - Slide channel pull arm
- "Full Power" and "Low Energy" operation
- Manual on power failure - controlled opening and spring closing
- Adjustable closing force from EN4 to EN6
- Maximum door leaf weight 250kg (door leaf width dependent) 700mm width 250kg, 1400mm width 115kg.
- Synchronised operation for paired doors
- Electronic locking options
- Variety of door style options, standard commercial aluminium, thermally broken commercial aluminium and Horton Elegant® frameless
- Numerous polyester powder coat and special finishes



HD-Swing™ LE Series 4100 Plus and 4000 Series Low Energy

Both the 4100 Plus and 4000 have a switchable low energy function. Suitable for use in low traffic areas where opening assistance may be required and where a risk assessment has deemed there is no requirement of additional safety sensors.

- BS EN 16005 compliant operation
- Standard manual operation with assisted operation as required
- Slow operating speed with adjustable hold-open time to allow safe user passage
- Reduced opening and closing forces to lower contact/obstruction impact force
- Push and Go function
- Additional optional safety devices can be fitted
- Surface applied or in-head concealed mounting (4000 Series only)
- Easily switched to full (power automatic) operation



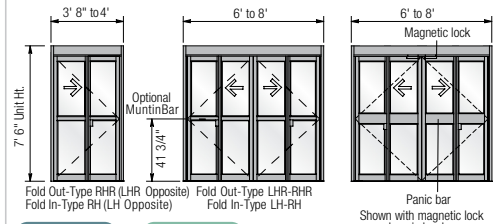
Folding Access™ Space Saving Folding Door

Ideal where space is limited and the maximum through passage width is required, such as corridors. Folding action reduces the swept area footprint and gives a faster cycling time of a similar sized swing door package. Available with a variety of activation options, micro-wave radar, push pad, contactless "Magic Switches"

The folding design incorporates the built-in safety of emergency breakout and a low closing force of 67 Newtons. Available with optional electronic locking on package width above 1900mm.

Standard Features

- Emergency breakout
- Finger guard at all hinge points
- Accommodates one-way or two-way traffic
- Also available in manual opening styles for ICU applications



Selection Guide

Type	Unit Width	Maximum Clear Opening	Maximum Breakout Opening
Single (2 panels)	3' 8" to 4' (1118-1219)	2' 8" to 3' (813 - 914)	2' 11" to 3' 3" (889 - 991)
Pair (4 panels)	6' to 8' (1829 - 2438)	4' 4" to 6' 4" (1321 - 1930)	4' 11" to 6' 11" (1499 - 2108)

Other Swing Door Packages Series 0500 Manual Swing Door

Package includes overhead concealed hydraulic closer with frame and centre-pivoted doors. Doors are double-acting and can be right or left hand. This package is often used in multiple door installations where a manual swing door is located next to automatic sliding or revolving doors.

Swing and Folding Door Operators & Packages



ICU/CCU Bi-Fold/Bi-Swing™ Multi-Access Combination System

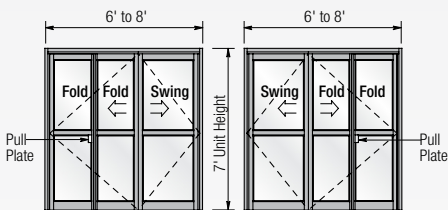
Versatile access of a swing door for normal two-way traffic and an adjacent bi-fold door dramatically increases the opening up to six feet eight inches when moving patients or medical equipment.



Bi-Fold Door creates additional clearance for patient and equipment moves.



Bi-Swing Door opens conveniently in both directions for normal traffic.



Selection Guide

Type	Unit Width	Maximum Clear Opening	Maximum Breakout Opening
Swing/ Folding	6' - 8' (1829-2438)	4' 8" to 6' 8" (1422 - 2032)	4' 11" to 6' 11" (1499 - 2108)



SmokeSwing Doors

Horton Automatics offers manual swing doors in equal, unequal, and pair configurations. Available in rough opening sizes ranging from 39½" to 99½" with up to 91" of clear opening area, these systems can also be painted to enhance your design. These systems can come with mini-blind glass and/or fire-rated panel options.

Standard Features

- Positive latching handles for added safety and superior smoke seal
- Concealed high temperature weather strip and gasket design

Available in single, equal pair and unequal pair door widths up to 48" per leaf.



ICU/CCU STC-35 Swing™ Door System Smoke-Rated Manual Door

The Acoustic STC-35 ICU Swing™ Door from Horton Automatics is the first door designed to meet the stringent demands of hospital applications, and is intended primarily for interior use in the ICU and CCU. The STC-35 manual swing door features wide glass panels for unobstructed viewing of patients and an improved handle design.

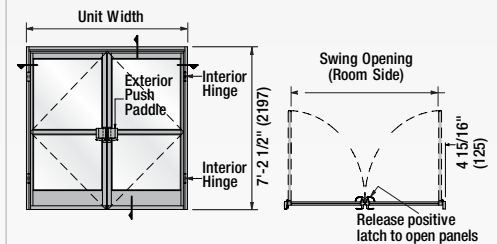
Available in single, equal pair and unequal pair.



Mortise-style cam lift hinge lifts the door as it is opened to keep the bottom seal from dragging on the floor.



Improved handle design (ADA compliant) with easy-to-operate handle.



Selection Guide

Type	Unit Width	Panel Width	Swing Opening	Rough Opening Width
Single	3'4" - 4'4"	3'-4'	2'8" - 3'8"	3'4" - 4'4"
Pair	(1016-1321)	(914-1219)	(822-1127)	(1029-1334)
Equal	6'3" - 8'3"	3'-4'	5'5" - 7'5"	6'4" - 8'4"
Pair	(1918-2527)	(914-1219)	(1667-2276)	(1829-2540)
Equal	5'3" - 6'3"	3'-4'	4'5" - 5'5"	5'4" - 6'4"
Pair	(1613-1918)	(914-1219)	(1362-1667)	(1626-1930)

Automatic Revolving Doors



Horton Automatics revolving door systems offer impressive architectural appeal, energy efficiency and effective high-traffic management.

Five major design series are offered in a wide selection of finishes, diameters, door wing configurations, glazing options, sensors and security systems.

Standard and Optional Features

- Constant seal helps control heating/cooling costs, reducing dust, drafts and noise
- Round drum or US Segmented® design
- 3 and 4 wing designs
- Standard rigid/fixed door wing design
- Optional manual and magnetic breakaway door wings for enhanced egress on most designs
- Obstruction force sensing for added safety
- Manual locking
- Manual and Electronic locking on automatic revolving doors
- Manual operation during power failure
- A variety of finish options, polyester powder coated, anodised and stainless steel/brass clad
- Extended canopies C/W integral radial air-curtains
- Curved sliding night security doors
- Compliant with BS EN 16005

Applications

High Traffic, Energy Efficiency, Security

- Airports
- Hospitals
- Hotels
- Schools
- Restaurants
- Manufacturing Facilities
- Financial/Government
- Shopping Malls and Retail
- Upscale Condominiums
- Call Centres
- Traffic Management

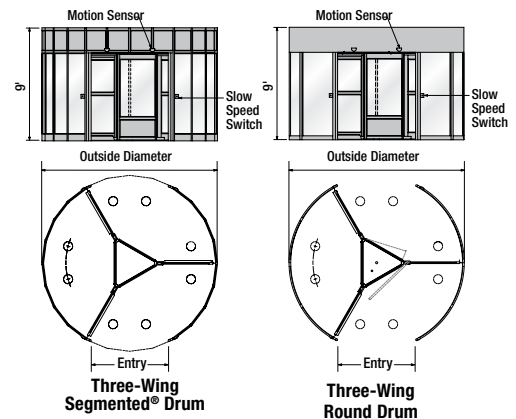
Grand®

GRA30/G Series Large Diameter Vestibule System

Spacious compartments provide an elegant, energy-efficient entrance up to 16 feet in diameter to manage high volume traffic needs including shopping carts, bicycles, wheelchairs, walkers and even hospital stretchers.

Standard and Optional Features

- Round drum design fully automatic operation.
- 3 and 4 wing designs
- Square (4 wing), triangular (3 wing) showcase cores.
- Available without showcase core.
- Foldable door leaves with optional wind resistance control
- Smooth, continuous rotation
- Fully compliant BS EN 16005 safety system and sensors
- Reduced speed control buttons.
- Standard polyester powder coat finish. Optional anodised or metal clad finishes available.



Selection Guide				
Model	Type	Outside Diameter	Segmented® Drum Throat Opening	Round Drum Throat Opening
Grand®	Three-Wing	12' to 16' (3658-4877)	5' 3/4" to 7' 3/4" (1619-2229)	5' 1/8" to 7' 1/8" (1565-2175)

Did You Know?

Horton Grand Revolving Doors are featured at New York's LaGuardia airport. 16' 3-wing units add drama to the airport architecture while providing the ability to move large volumes of traffic.

Manual Revolving Doors



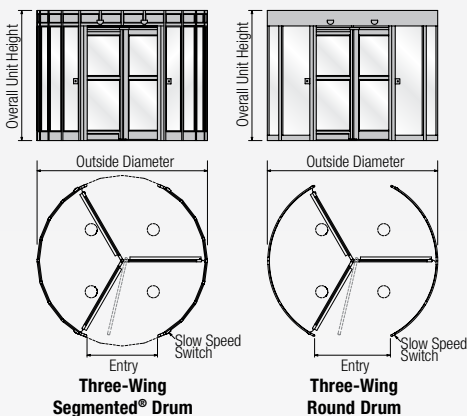
MiniGrand®

GRA30/MG Series Large Diameter Entrance System

The MiniGrand® offers a similar drum construction of the Grand®, without the display core.

Standard and Optional Features

- Round drum design fully automatic operation
- 3 and 4 wing designs
- Optional foldable door leaves with optional wind resistance control
- Smooth, continuous rotation
- Fully compliant BS EN 16005 safety system and sensors



Selection Guide

Outside Diameter	Segmented® Drum	Round Drum
	Entry - Three-Wing	Entry - Three-Wing
11' (3353)	4' 9 3/4" (1467)	4' 7 5/8" (1413)
12' (3658)	5' 3 3/4" (1619)	5' 1 1/4" (1565)

Did You Know?

Three-wing revolving doors with polished brass finished are featured at the Paris Hotel in Las Vegas. These custom made doors were designed to match the European style of the construction and handle hundreds of thousands of visitors every year.



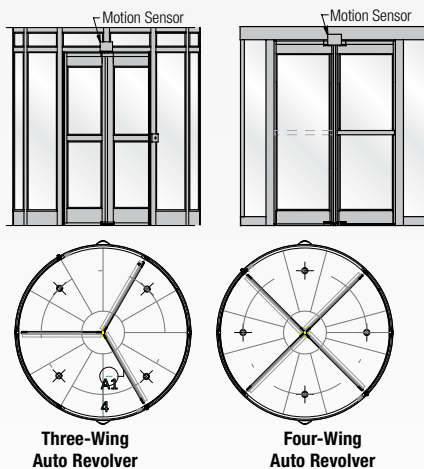
AutoFlow™

MR30SA Series Automatic Entrance System

With this hands-free entrance system, motion detectors at each opening start door rotation on user approach. A reduced speed feature slows the rotation for slower less ambulant traffic. The unit is microprocessor controlled, with full-speed, force adjustment and on-door plug in and remote fault diagnosis/adjustment capability. Fitted as standard with fully compliant BS EN 16005 safety system.

Standard and Optional Features

- Round drum design fully automatic operation
- Standard minimum diameter 3000mm
- 3 and 4 wing designs
- Optional foldable door leaves with optional wind resistance control
- Smooth, continuous rotation
- Fully compliant BS EN 16005 safety system and sensors
- Reduced speed control buttons
- Manual and Electronic locking
- Standard polyester powder coat finish. Optional anodised or metal clad finishes available.
- Extended canopies C/W integral radial air-curtains
- Curved sliding night security doors



Selection Guide

Outside Diameter	Segmented® Drum	Round Drum
	Entry - Three-Wing	Entry - Three-Wing
10' (3048)	4' 4 3/4" (1340)	4' 7 7/8" (1407)



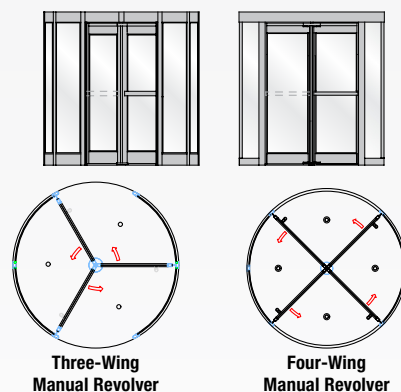
EasyFlow™

9500 Series Manual Revolving Door System

An outstanding choice for energy efficiency along with architectural appeal, the EasyFlow series is offered in a variety of configurations to suit most installation requirements. Each door is fitted with a speed regulation system to prevent over rotation of the door. The manual operation of the door allows for maximum traffic capacity, when compared to other revolving door types.

Standard and Optional Features

- Round and Segmented® drum design
- Standard diameters from 2000mm to 2800mm
- 3 and 4 wing designs
- Optional foldable door leaves
- Mechanical or electronic speed control
- Variety of push bar/handle options
- Manual locking
- Standard polyester powder coat finish. Optional anodised or metal clad finishes available.
- Extended canopies C/W integral ceiling mounted air-curtains
- Curved sliding night security doors (round 4 wing design)



Selection Guide - Segmented® Drum

Outside Diameter	Entry - Three-Wing	Entry - Four-Wing
6' (1829)	—	4' 2 3/4" (1280)
6' 6" (1981)	3' 1/8" (918)	4' 6 3/4" (1346)
7' (2134)	3' 3" (991)	4' 11 1/8" (1502)
8' (2438)	3' 9" (1143)	5' 7 7/8" (1724)

Selection Guide - Segmented® Drum

Outside Diameter	Entry - Three-Wing	Entry - Four-Wing
6' (1829)	—	4' 3/4" (1238)
6' 6" (1981)	3' 1/8" (918)	4' 5" (1346)
7' (2134)	3' 3/8" (994)	4' 9 1/4" (1454)
8' (2438)	3' 9/8" (1143)	5' 5 1/4" (1670)

Security Revolving Doors



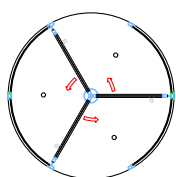
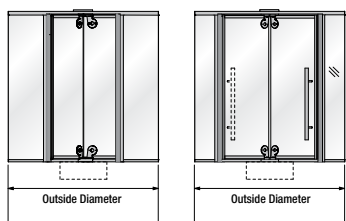
ClearFlow™

MGL30/A Automatic & MGL30/M Manual All-Glass Revolving Door System

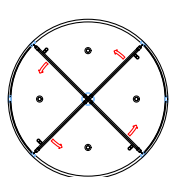
Designed to give enhanced aesthetic appeal. This automatic and manual revolving door system with its in-floor drive or speed control system, removed the need for an overhead canopy. Allowing for maximum glazed area and visibility with minimal sight lines.

Standard and Optional Features

- Round design, 3 & 4 wing designs
- Solid door leaf construction
- Variety of glazing options and all glass ceiling
- Automatic or manual options
- In-floor speed control or drive mechanism
- Fully compliant BS EN 16005 safety system and sensors (automatic option)



Three-Wing Manual Revolver



Four-Wing Manual Revolver

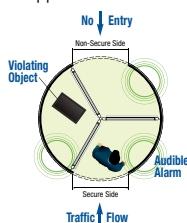


* Consult your local authority's housing jurisdiction before specifying an all-glass system.

Sensors for Revolving Doors

Activation components for revolving doors are available for directional security and entry protection. Horton ControlFlow™, AutoFlow™ and Grand® revolving systems include the appropriate devices for each application.

Most revolving door sensing packages include motion detection on both sides for door activation. Additional sensing may include a top-of-wing mounted VistaScan™ sensor to slow or stop door rotation if someone is near the wing, a FootGuard™ contact switch and Entryguard™ infrared sensing of interior/exterior entrance zones and other detection electronics.



ControlFlow™

9200 Series Automatic Security Door System

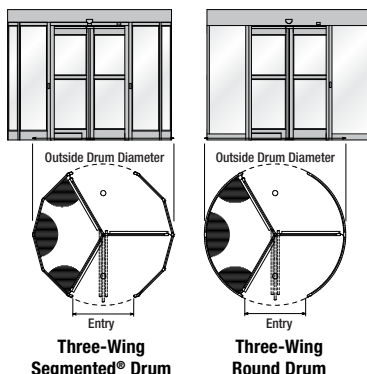
Available in a choice of One-Way, Once-Way Airport and Two-Way Card Access security packages, this system has selectable security levels. Add optional Level 3 bullet-resistant glazing and Visdom HS® advanced 3D anti-piggybacking/anti-tailgating prevention sensors (page 14) for ultimate protection in banks/financial, government and other high-security installations.

Standard and Optional Features

- Segmented® or round drum design
- Overhead sensors in place of mats
- Wireless remote setup with 16 mode of operation and other programming options
- Field programmable voice messages
- Magnetic breakaway for emergency egress
- Choice of anodized aluminium, paint or metal clad finishes
- Special sizes, extended canopy and other options available
- Bullet-resistant options, segmented drum only



ControlFlow™ One-Way Security Series 9100

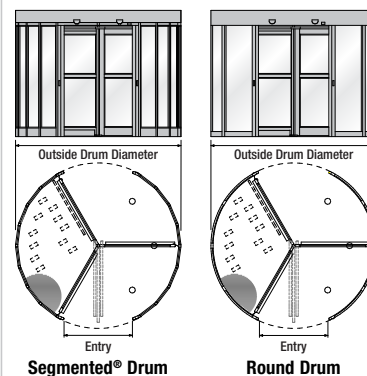


Three-Wing Segmented® Drum

Three-Wing Round Drum



ControlFlow™ One-Way Security Series 9100AP



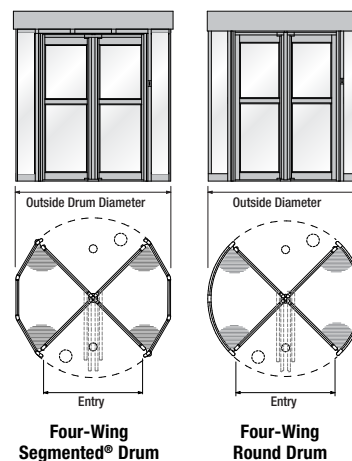
Segmented® Drum

Round Drum



ControlFlow™ Two-Way Card Access Security Series 9200

With Anti-Tailgate and Anti-Piggyback Security



Four-Wing Segmented® Drum

Four-Wing Round Drum



Selection Guide

Model	Type	Outside Diameter	Segmented® Drum	Round Drum
			Entry - Three-Wing	Entry - Three-Wing
ControlFlow™ One-Way	Three-Wing	8' 3½" to 10' 3½" (2527-3137)	3' 4⅝" to 4' 4⅝" (1026-1330)	3' 6⅞" to 4' 6⅞" (1089-1394)
ControlFlow™ One-Way Airport	Three-Wing	12" (3658)	5' 3¼" (1619)	5' 1¼" (1565)
ControlFlow™ Two-Way Anti-Tailgating	Four-Wing	6' 3⅝" to 7' 3⅝" (1918-2223)	3' 10" to 4' 6⅞" (1168-1391)	3' 10⅞" to 4' 7⅞" (1191-1406)
ControlFlow™ Two-Way Anti-Tailgating/Anti-Piggybacking	Four-Wing	6' 3⅝" to 7' 3⅝" (1918-2223)	3' 10" to 4' 6⅞" (1168-1391)	3' 10⅞" to 4' 7⅞" (1191-1406)

Security Revolving Doors



Visdom Elite® Two-Way Matless, Anti-Piggyback/ Anti-Tailgate Security System

The Visdom Elite® detects unauthorised entry violations such as Piggyback and Tailgating. The system goes beyond existing vision based, weight based, infrared and ultrasonic systems, actually discerning the difference between true violations and everyday authorised personnel - such as a person with a parcel or heavy clothing which other systems often detect inaccurately.

Standard Features

- Dual sensors
- Real-Time Clock (RTC) capable or marking individual events
- Easily retrofits onto existing Horton security revolving doors
- Highly immune to shadows, reflections and environmental changes
- Versatile X or + configuration
- Continuous flow from both directions simultaneously
- Bullet-resistant glass available, Segmented® drum only

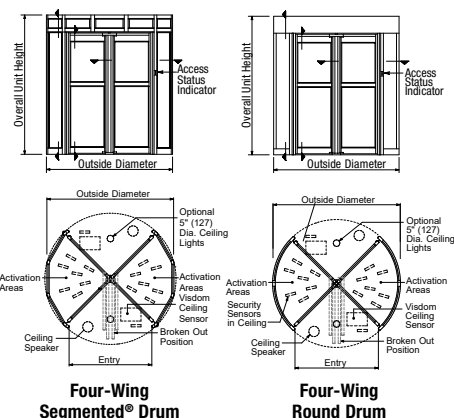
Flexible Security Levels

The Visdom Elite® can be tailored to meet the level of security you require with several modes of operation, such as card-in card-out, card-in free exit and can communicate with card reader systems utilising an anti-pass back feature. The The Visdom Elite® sensor interacts with Horton Automatics ControlFlow™ security revolving door control to keep would-be violators out of the restricted area, yet provide ease-of-access to valid users.

Easy To Install

Visdom Elite® installs easily on new or existing door systems and does not require special mounting. The system is a compact, self-contained "People Counter" that includes all hardware in a single box. It mounts into the canopy of revolving doors at standard ceiling heights.

With Anti-Tailgate and Anti-Piggyback Security



Round Canopy
Segmented Drum



Segmented Canopy
Segmented Drum



Round Canopy
Round Drum

Selection Guide

Model	Type	Outside Diameter	Throat Opening
Visdom ELITE® Round Canopy Segmented Drum	Four-Wing	6' 3½" (1918)	3' 10" (1168)
Visdom ELITE® Round Canopy Round Drum	Four-Wing	6' 9½" (2070)	4' 3½" (1296)

Industrial Sliding Door Systems



With up to 12 feet stroke and 500 lbs. of weight capacity, these door systems are engineered for general industrial applications as well as sterile environments. Available in complete packages with steel, aluminium, fibreglass or stainless steel doors plus tracks, operator and activation devices to suit your requirements.

Typical packages include:

- Floor mounted guides
- Photoelectric beams placed parallel to the door opening
- Fast-acting HD Slide™ operators for industrial installations
- Linear drive operators for washdown applications

Consult factory for explosion-proof systems or for assistance with special applications.

Applications

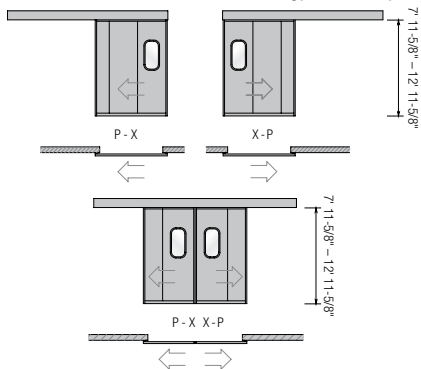
Two-Way Traffic, Industrial

- Warehouse
- Pharmaceutical/Biotechnology
- Cleanrooms
- Food Processing
- Chemical Processing
- Other Industrial

RapidSlide™

Lightweight Steel Door System

Thermacore® insulated steel door assembly has 24" (610 mm) modular sections constructed of metal/foam metal sandwich for maximum energy efficiency.



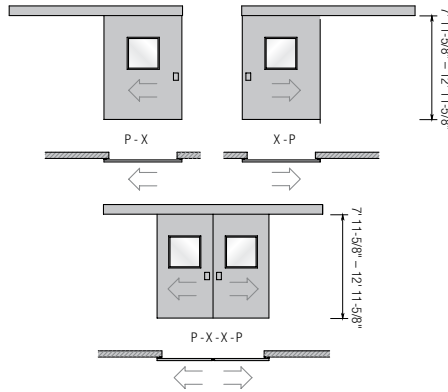
Selection Guide

Type	Overall Unit Width	Maximum Slide Opening
Single Slide	13' 3 1/2" to 25' 3 1/2" (4051-7709)	6' to 12' (1829-3658)
Bi-Parting Slide	13' 5 1/2" to 25' 5 1/2" (4102-7760)	6' to 12' (1829-3658)

HD-Slide™ Industrial With Hollow Metal Panel

Heavy Duty Industrial Door System

Utilises 18 or 20 gauge galvanized steel skin doors with Kraft honeycomb core. Interior framing channels are 14 gauge steel. Panels have a flush appearance with no exposed fasteners.



Selection Guide

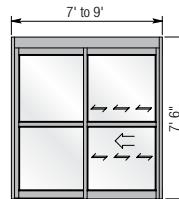
Type	Overall Unit Width	Maximum Slide Opening
Single Slide	6' 8 1/2" to 20' 8 1/2" (2134-6312)	5' to 10' (1524-3048)
Bi-Parting Slide	13' 5 1/2" to 25' 5 1/2" (4102-7760)	5' to 12' (1524-3658)



UltraClean™ Atmospheric I (ISO 3)

Atmospheric Sliding Doors

Designed to meet ISO 14644-1 Class 3 cleanroom applications, these door packages feature positive seal, vinyl weatherstrip and touchless wall-mounted scanner activation. Electrical interlocks for sequential operating of up to 10 doors and pneumatic, explosion-proof operator packages are also available.



Selection Guide

Type	Overall Unit Width	Maximum Slide Opening
Single Slide	7' to 9' (2134-2743)	3' to 4' (914-1219)

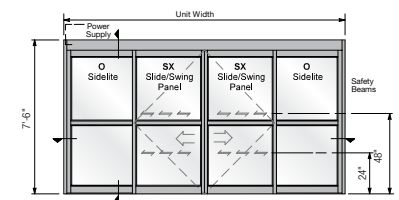
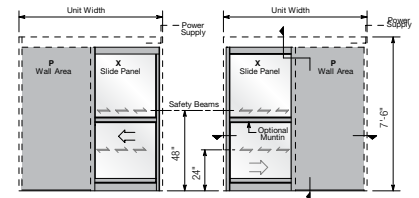
Did You Know?

Horton Industrial systems are available in pneumatic and explosion-proof configurations.

UltraClean™ Atmospheric II (ISO 5)

Atmospheric Sliding Doors

Designed to meet ISO 14644 Class 5 Cleanroom applications, these doors are suitable for cleanroom air showers, sterile environments, pharmaceutical or healthcare labs, and manufacturing processing. Available in single slide and biparting configurations, surface-applied or mounted within wall openings.



Selection Guide

Type	Overall Unit Width	Maximum Slide Opening
Single Slide	7' to 9' (2134-2743)	3' to 4' (914-1219)
Bi-Parting Slide	8' to 16' (2438-4877)	3' to 4' (914-1219)

UltraClean™ Sterile

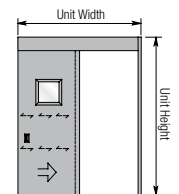
Food Preparation Sliding Door Solutions

This stainless sliding door system is ideal for very low particulate applications such as food preparation facilities and is able to withstand frequent washdowns. Available in single or biparting configurations, surface applied or mounted within wall opening. Heavy-duty belt drive operator and touchless wall-mounted scanner activation come standard.

Lead-Lined

X-Ray Room Sliding Door Solutions

Horton lead-lined automatic slide doors for radiation and X-ray shielding applications are custom manufactured to meet federal safety regulations. These surface-mounted Aluminum doors with a structural core of resin are available with a Vision Lite leaded glass option. Autolock fail-safe functionality and a battery backup if power fails comes standard.



Selection Guide

Type	Overall Unit Width	Maximum Slide Opening
Single Slide	7' 1 1/2" to 13' 1 1/2" (2171-4001)	3' to 4' (914-1219)

Platform Screen Doors



Designed for public and private transit complexes, this equipment is installed as an integral part of Automated People Mover (APM) systems. Horton Automatics has been developing these custom systems for more than 35 years with installation in major transportation hubs throughout the world.

All systems enhance communication between components that govern operating functions. The systems are designed for long life, high reliability and maximum safety per ASC APM Standards. For information about a custom engineered transit system, contact Horton Automatics.

The barrier wall design option includes all the supporting structure for the platform doors which results in shorter installation time and fewer trades to coordinate.

Applications

- Airports
- Resort Hotels
- Public Transit
- Theme Parks
- Transit Vehicles
- Subways

Design Options

- Station Platform Screen Doors (PSD)
- Transit System Sliding Doors
- Automatic Train Control (ATC) Monitoring
- Transit Vehicle Door Operators
- Emergency Egress Door (EED)
- Control Panels
- Full Barrier Wall

Customer Review

“Bombardier has selectively chosen Horton Automatics to support its APM projects based upon their proven ability to meet stringent technical, quality and schedule requirements with focus to maintain a better established budget.”

Bombardier Transportation

Did You Know?

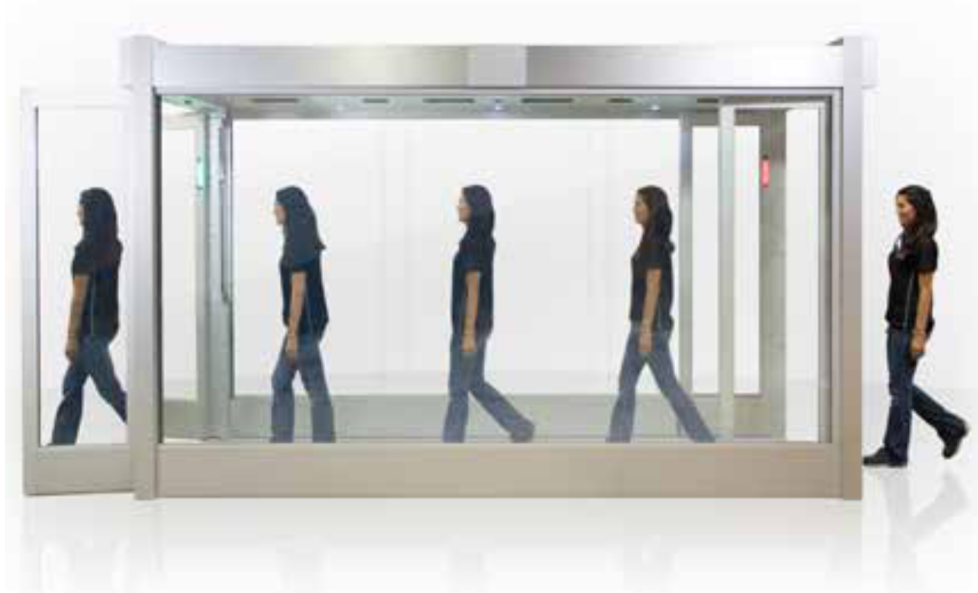
Horton transit door systems are in more than 45 major airports worldwide including Frankfurt, Kuala Lumpur, Singapore, Rome, Beijing, Heathrow, Seoul, Madrid, Toronto, DFW, Houston and Las Vegas.



Toronto Airport

Selected Worldwide Installations

- Hartsfield-Jackson International Airport, Atlanta, Georgia
- Heathrow Airport, London, United Kingdom
- Frankfurt am Main Airport, Frankfurt, Germany
- Dulles International Airport, Washington DC
- Kuala Lumpur International Airport, Sepang, West Malaysia
- Toronto Pearson International Airport, Toronto, Canada
- Beijing Capital International Airport, Beijing, China
- Benito Juárez International Airport, Mexico City, Mexico
- Incheon International Airport, Seoul, South Korea
- Dallas/Fort Worth International Airport, Dallas, Texas
- Las Vegas Monorail, Las Vegas, Nevada
- Guadalajara BRT, Guadalajara, Jalisco, Mexico
- Transmilenio BRT, Bogotá, Colombia
- Metrovia BRT, Guayaquil, Ecuador



Secure Exit Lanes

Security Exit Systems

The Secure Exit Lane provides one-way pedestrian traffic flow between the secure and non-secure zone of an airport or other high-security environment. Directional motion detection technology reduces the threat of unauthorised access to a secure environment by sensing and monitoring traffic flow direction.

The Secure Exit Lane uses an array of sensors to detect unauthorised entry and foreign objects. The unmanned system can minimize the need for physical personnel by providing remote monitoring capability. Unauthorised entry and static object detection are only two of the many potential threats capable of triggering a security alert at the Secure Exit Lane.

The system's sleek design integrates nicely into areas with restricted space, making it a versatile solution for airports of all sizes. In larger facilities, Secure Exit Lanes can be lined up side by side to increase pedestrian throughput in areas of heavy traffic.

Consult factory for dimensions and ordering details.

Standard Features

- User interface
- Remote monitoring
- Customisable
- One-way security
- High-volume throughput
- Sleek style
- Audible commands
- Bullet-resistant glass option



The lane's object detection technology (in-floor and overhead) senses undesirable objects and prevents reentry, shutting the door down and sounding an alarm.



The Secure Exit Lane is large enough to accommodate passengers with disabilities.



Drive-Thru Service Windows

Manual Operation

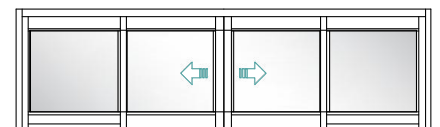
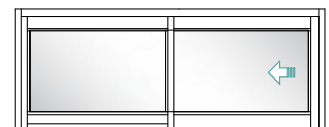
Horton service windows are manufactured using the same rugged construction as their automatic pedestrian doors, including aluminium header/track and corner block construction. They are provided on a supply only basis for installation by others and can be incorporated into third-party screen work/facades.

Windows run on 32mm diameter high-quality steel rollers with anti-derailing on a replaceable nylon track. Providing a smooth operation via internal recessed finger pulls. The design allows for a robust swing-bolt dead lock to secure the windows.

Supplied polyester powder coated to a standard RAL colour, with anodised options to special order.

Standard Features

- Single panel with sliding window and fixed side panel
- Bi-parting two panel sliding windows with fixed side panels
- Overhead Aluminium track
- MS Security lock
- Internal recessed finger pulls
- Polyester powder coated to a standard RAL colour
- Manufactured to customer specific sizes



Specify Horton and demand AAADM certified installation.

AAADM *American Association of Automatic Door Manufacturers*



Horton Automatics
World Headquarters
4242 Baldwin Boulevard
Corpus Christi, Texas 78405-3399 USA
Phone: 800-531-3111, 361-888-5591
Fax: 361-888-6510
www.hortondoors.com

Horton Automatics, Ltd.
United Kingdom
Unit A, Hortonwood 31
Telford, Shropshire, England TF1-7YZ
Phone: 01952 670169
Fax: 01952 670181
A division of Novoferm Group



A Division of
Overhead Door Corporation

Horton Automatics is a division of Overhead Door Corporation, an innovative industry leader with many firsts in upward-acting doors and electric openers for residential as well as commercial applications.

Specify 
HORTON