SLIMLANE

SPEEDGATES

AUTOMATIC SYSTEMS

Access controlled...
Future secured

SLIMLANE

Automatic Systems mission is to protect and secure access to your building as well as control the flow of pedestrian traffic. Automatic Systems is renowned worldwide for the quality and reliability of its access control equipment, and for its innovative and aesthetic offer.

The SlimLane speedgate is designed to meet these needs, offering an elegant design and high reliability.

With its fast swing obstacles, SlimLane combines a high bidirectional flow of passage with high levels of security, without compromising user safety. Its exclusive DIRAS® detection system allows precise control of users for maximum protection and safety.

In addition, its modularity allows a wide range of configurations, obstacle heights and passage widths.

║SlimLane™

STYLISH & ARCHITECTURAL TRENDS

ERGONOMIC USER EXPERIENCE

MODULARITY & CUSTOMISATION

QUALITY OF BUILD, RELIABILITY & SERVICE

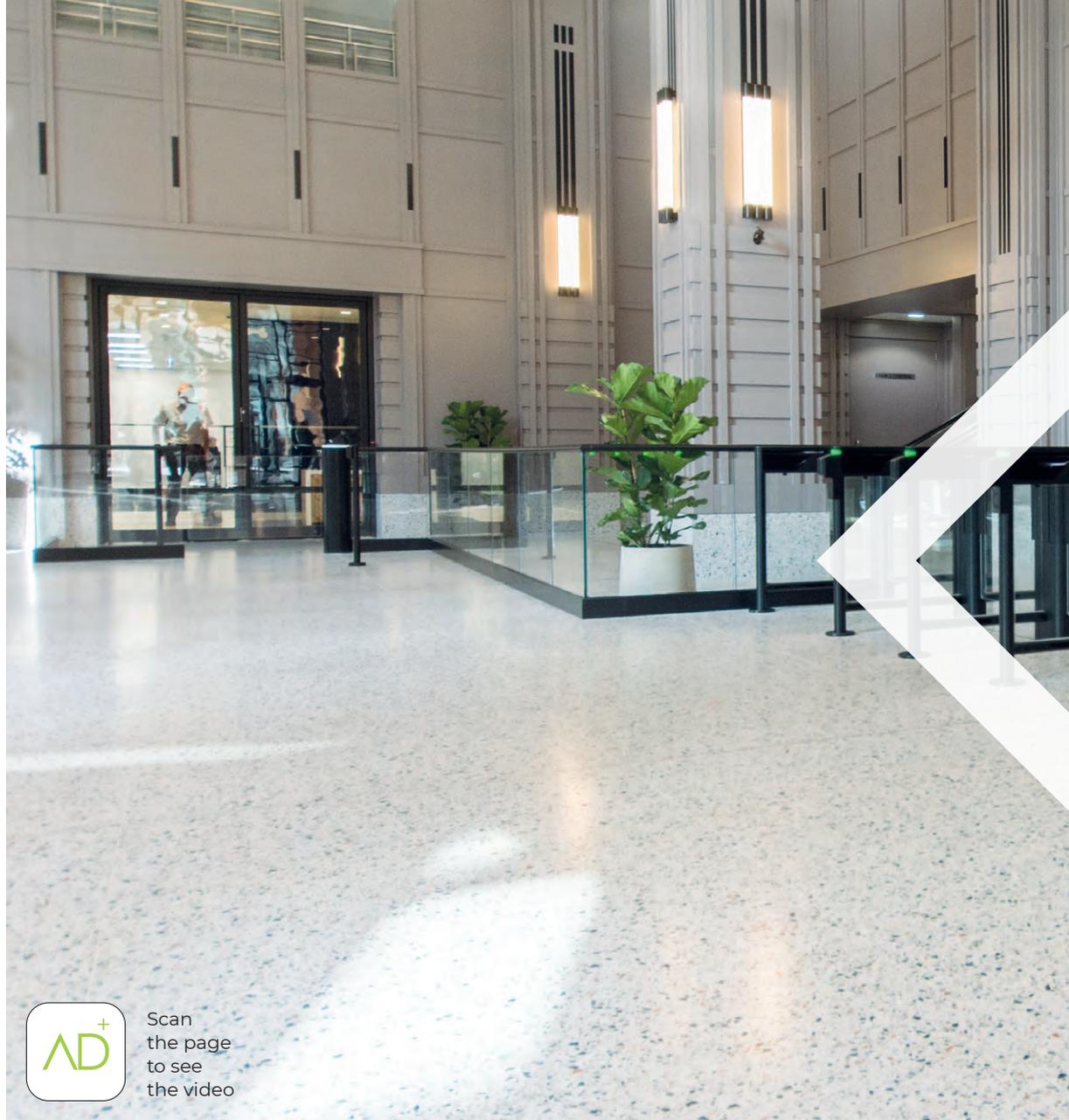**INNOVATIVE TECHNOLOGIES**

SECURITY

SAFETY

PASSAGE FLOW

CONNECTIVITY

MARKETS

- ◆ Office buildings, head offices and administrative sites
- ◆ Schools, universities and colleges
- ◆ Banks and insurance companies
- ◆ Government buildings and institutions
- ◆ Telecommunications
- ◆ Data Centers
- ◆ Publishing industry
- ◆ Museums
- ◆ Leisure
- ◆ Retail

FEATURES

AD+

Scan
the page
to see
the video

SAFETY

Designed in compliance with the most stringent safety and security standards:

◆ CE certified
◆ Emergency exit certified, EN13637

Precision controlled movement of obstacles and detection of all obstructions.

Limited force applied by obstacles.

Designed to prevent finger entrapment and other impacts.

Reinforced detection to enhance user protection and manage passage of luggage (option).

When combined with a fire alarm system and a fire alarm occurs, obstacles automatically open to free the passage.

When a power outage occurs:

◆ In case of emergency the obstacles can be unlocked with a simple push to automatically open
◆ Battery backup for automatic opening with a mechanism to lock obstacles open in the direction of egress (option)

SECURITY

Best in class for flow and Electronic detection proprietary DIRAS detection system.

◆ High-density matrix of infrared beams follows users' progression through the gate

- Dynamic and predictive (size, position, direction) algorithms ensuring top of the class performance for fraud detection: tailgating, piggybacking, trolleys, children, u-turn, crossing, multiple entries…

Electro-mechanical locking to withstand forced entry attempts.

Glass obstacles up to 1800mm without or with straight or sloping overhang.

Highly reliable product with 10.000.000 MCBF.

MULTIPLE INTEGRATION CAPABILITIES (OPTIONAL).

- The cabinet allows to integrate authentication solutions including:
  - RFID, QR-code and barcodes readers
  - Biometric devices

AESTHETICS

- Transparent and elegant design
- Minimal footprint for maximum throughput
- Discreet and ergonomically integrated card reader
- Precision controlled tempered glass obstacles
- Top quality assembly and finish selection
- Architectural and interior design custom fit

THROUGHPUT

- Fast opening/closing of swing doors (< 1 sec)
- Obstacles pivot in the direction of the passage into the lane for a faster learning curve and ergonomic flow
- Precise, well-lit pictograms for intuitive user experience and ergonomic

SPECIFICATIONS

LEDS

Precise, well-lit pictograms for intuitive use and increased throughput.

◆ LED orientation pictograms:

  ▶ Green > In service
  ▶ Red > Unauthorised access

◆ LED bidirectional functional pictograms:*

  ▶ White > Initialization
  ▶ Blue > Idle, ready to badge in
  ▶ Green > Access authorised
  ▶ Red > Access refused

Audio alarm to indicate unauthorised use to both the security personnel and the user.

◆ Different alarm depending on type of offense

* According to IEC EN 60073 mandatory international standards - Fundamentals and Safety for man-machine interface.
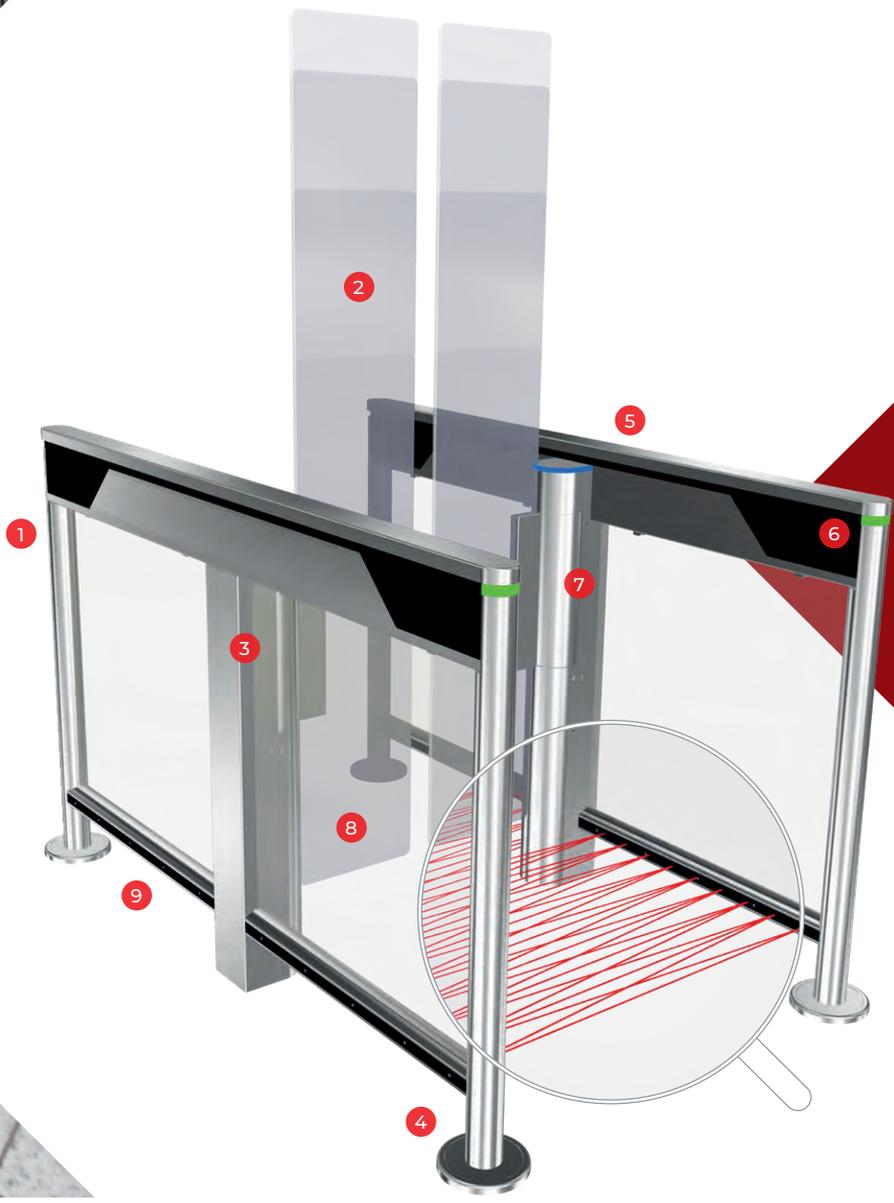
1. BRUSHED STAINLESS STEEL HOUSING

2. 10MM THICK TEMPERED MONOLITHIC GLASS SWING OBSTACLES

3. ELECTROMECHANICAL DRIVE UNITS

4. FINISHING PLATE FOR POST

5. BRUSHED STAINLESS STEEL TOP COVER

6. PRECISE ORIENTATION AND FUNCTION PICTOGRAMS

7. KINETIC STEEL COLUMN WITH BRUSHED STAINLESS STEEL HOUSING

8. 10MM THICK TEMPERED MONOLITHIC GLASS OBSTACLES

9. TROLLEY DETECTION

🔴 PROPRIETARY DIRAS DETECTION SYSTEM

OPTIONS & ACCESSORIES

SlimLane offers a large range of options and accessories which enables the customisation of the design and level of security needed.

1. SECURITY & SAFETY

- ◆ Enhanced electronic protection of luggage
- ◆ 'EGRESS' operating mode
- ◆ Battery backup for automatic opening in case of power failure, with a mechanism to lock obstacles in the direction of egress
- ◆ Emergency exit certified, EN13637
- ◆ Wider passages and higher obstacles

2. AESTHETICS & CUSTOMISATION

- ◆ Customisable equipment integrating perfectly with your architectural style
- ◆ Several paints available: RAL9005, RAL5008, RAL6014, RAL7003, RAL7016, RAL9010 (all stainless steel components)
- ◆ With or without glass side panels
- ◆ Customised glass obstacle (1200, 1500, 1700 or 1800mm hight) with pattern or logo

Colors printed are for reference only and might differ from the real, pls refer to the appropriate RAL scale.

BENEFITS

- Automation of pedestrian access control
- Restricts access to secured zones
- Employee and visitor Entry/Exit tracking
- Reduced need for manned entrance
- Meets safety standards

Scan to see
the other colours

3. CONTROL & COMMAND

SUPERVISION

- Smart & Slim monitoring panel for remote management of the turnstiles. It is a flexible command centre and allows for visualisation, control and consultation
- SmartTouch surveillance interface. Simple and elegant solution for managing one or two access control equipment areas remotely, via an Ethernet network
- SmartTouch allows counting of incoming and outgoing people in a controlled area and thanks to the HDMI output, it is possible to show the occupancy level of an area on screens

Smooth integration of proximity, magnetic card readers, biometric scanners and other user authentication systems:

- Kit for integrating the reader in an extension housing or inclined console
- Top cover designed for barcode scanners IBC QSCANT

DIRAS

SlimLane detection is based on infrared cells positioned horizontally.

- ◆ Waist-high positioning
- ◆ Composed of four (4) DIRAS sensor bands with a total of 32 direct IR photo beams

The high capacity logic processor (ARM9) allows for crossing of the IR beams, thus doubling the detection density.

- ◆ A total of 60 IR beams electronically controlling each passage and preventing unauthorised users in secured zone

Detects the most difficult fraud attempts:

- ◆ Advanced tailgating attempt detection

- ◆ Opposite direction fraud detection
- ◆ Turnaround detection with the possibility of setting the tolerance levels
- ◆ Anti-pass back function
- ◆ Reliable "People Counting" system

A combination of elevated computing power and a high density matrix of IR beams guarantees dynamic and predictive user tracking.

- ◆ Ability to track the user's passage in the lane from entry to exit point
- ◆ Filtering of anything that may cause interference, obstruct or fall into the lane passage and which is not a security threat (arm movements, hand luggage,...)
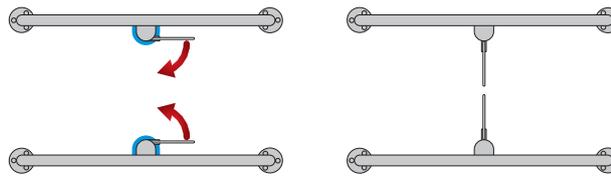
POWERED OF EQUIPMENT
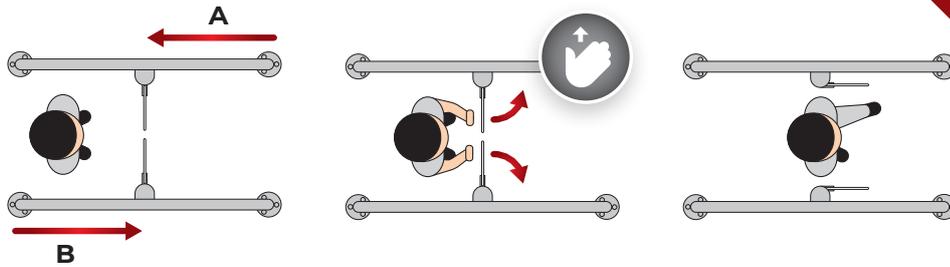
In case of a power outage, obstacles are unlocked and free in both directions.

Obstacles can be opened to free passage with a simple push.

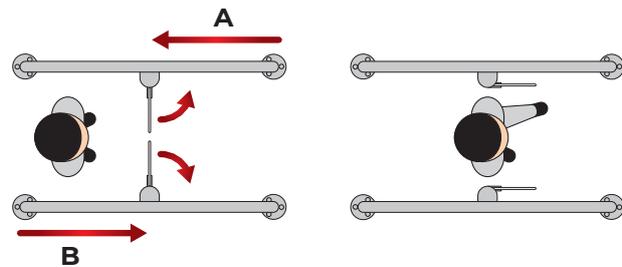Users can quickly and safely evacuate the building.

LIVE EQUIPMENT

When power returns, equipment returns to prior operating mode.

Obstacles in closed position.

POWERED OF EQUIPMENT - WITH BATTERY BACKUP

In case of a power outage, obstacles are unlocked and automatically open in the direction of egress.

Obstacles are locked in the open position so as not to interfere with the evacuation process.

EGRESS MODE

In case of power failure, obstacles can be unlocked with a simple push to automatically open in the direction of egress.

◆ Offered as a standard setting regardless of the operating mode of the powered equipment ('SECURI-SAFE' or 'EGRESS')

Available as an option, battery backup operated opening facilitates and accelerates the evacuation process.

◆ No manual operation needed (by users)
◆ Clearance of passage, no obstructions
◆ Backed by a rechargeable and long lasting emergency battery
◆ Compatible with both 'SECURI-SAFE' et 'EGRESS' operating modes

MODULARITY

A complete offering including compact, standard and wide lanes with various glass obstacles heights.

SINGLE OR DOUBLE DOOR

- ◆ Passage width: 550/600/900mm
- ◆ Extra wide: from 1200 up to 1400mm (option)

COMPACT TO WIDE

- ◆ Footprint (W x L):
  - ‣ **940:** 1000 x 1640mm/1000 x 1274mm (SC)
  - ‣ **950:** 1300 x 1640mm/1300 x 1274mm (SC)
  - ‣ **950EW:** 1600x1640mm/1800x1640mm
  - ‣ **944:** 857 x 1640mm/857 x 1274mm (SC)
  - ‣ **945:** 1300 x 1640mm/1565 x 1274mm (SC)

LOW TO HIGH GLASS OBSTACLES

- ◆ Obstacle heights: 900/1200/1500/1700/1800mm

SHORT SC OR STANDARD HOUSING

- ◆ Cabinet length: 1274mm short (SC)/1640mm standard

WITH END-POST EXTENSIONS (EP)

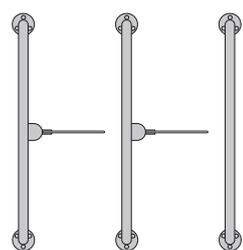### SERVICE LANE

CABINET COMBINATIONS
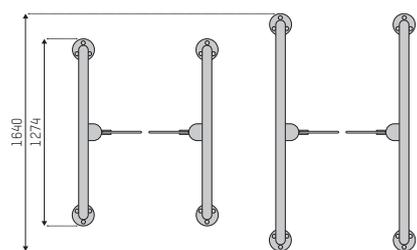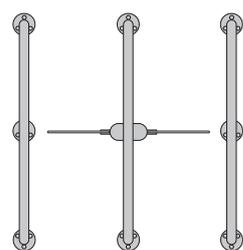

SLIMLANE 940SC   SLIMLANE 940
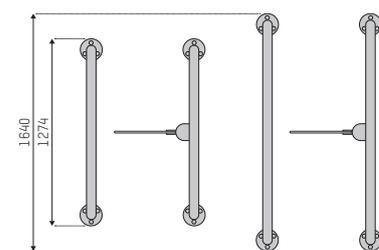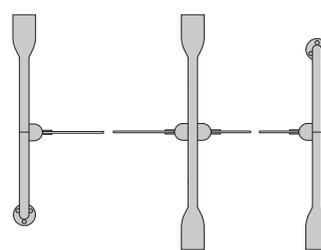
SLIMLANE 944SC   SLIMLANE 944
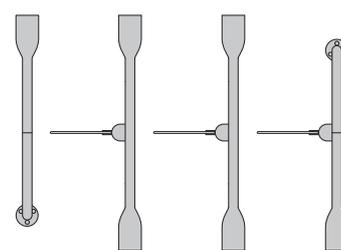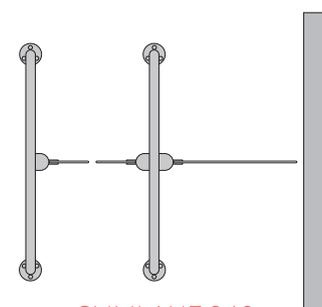
TRIPLE LANE SLIMLANE 944
WITH END-POSTS (EP)

DOUBLE LANE
SLIMLANE 944

SLIMLANE 945 TWIN

SLIMLANE 950EP +
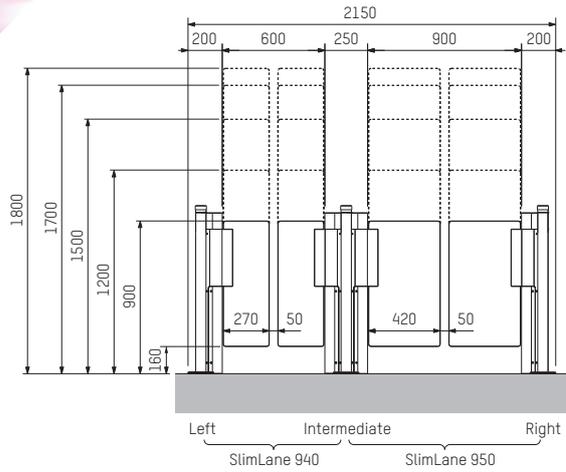940EP WITH END-POSTS

SLIMLANE 940 +
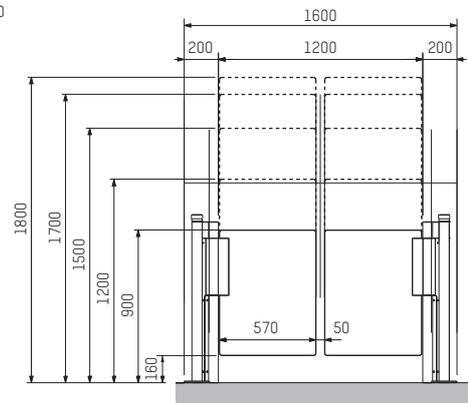SERVICE LANE

TECHNICAL SPECIFICATIONS

Power supply	Single phase 110-240 VAC (+/- 10%) - 5A - 50/60 Hz + Ground.
Power consumption	Standby: 50 W Cycle: 170 W Maximum: 300 W
Motors (x2)	24 VDC – nominal output power 93 W
Passageway (L)	600, 900, 1200, 1400mm 575 mm < L < 650 mm (min/max)
Min opening or closing times	0.7 s (for the SL940, depending on the access control system reactivity and the speed of users)
Ambient operating temperature	0 to +50°C
Ambient relative humidity in operation	< 95%, no condensation
MCBF	10.000.000 mean cycles between failures, with recommended maintenance
Sound level	55 dB
Weight	Depending to product configuration
Protection index	IP40
CE	Conforms to European standards

SL 940 & SL950

2150
200 | 600 | 250 | 900 | 200
1800
1700
1500
1200
900
160
270 | 50 | 420 | 50

Left | Intermediate | Right
SlimLane 940 | SlimLane 950

SL 940 – 950 EP

1007,5
1307,5
157,5 | 692,5 | 157,5 | 992,5 | 157,5
50 | 50
991
from 900 to 1700
160 | 160

SL950 WIDE

1600
200 | 1200 | 200
1800
1700
1500
1200
900
160
570 | 50

SL 944

455
1800
1700
1500
1200
900
90
991

SL944 EP

157,5 | 550 | 157,5
991
from 900 to 1700
160

SL 945 EP

157,5 | 550 | 157,5 | 550 | 157,5
160
from 900 to 1700
160

SL 945

1800
1700
1500
1200
900
480
70
991
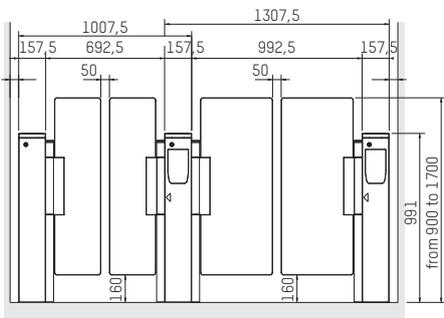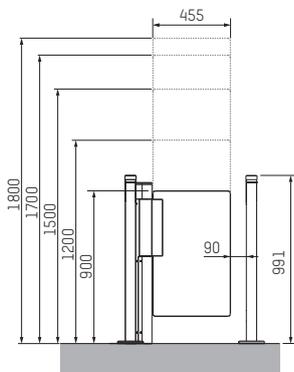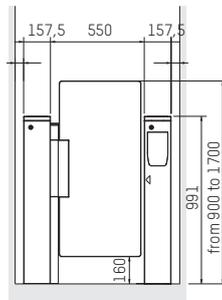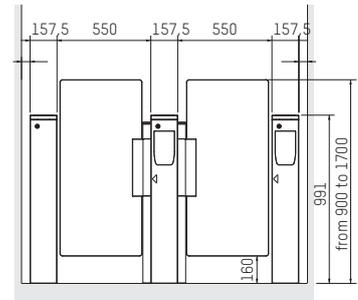
SLIMLANE STANDARD

1555
991
820 | 820
1640
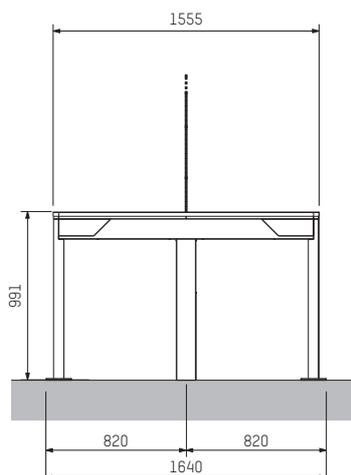
SLIMLANE SHORT CABINET

1184
991
637 | 637
1274
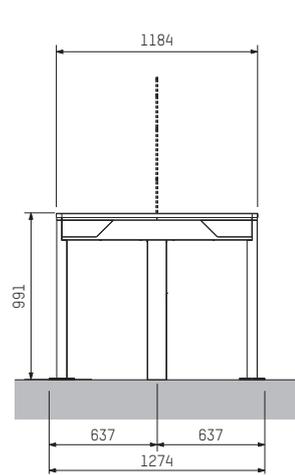
15
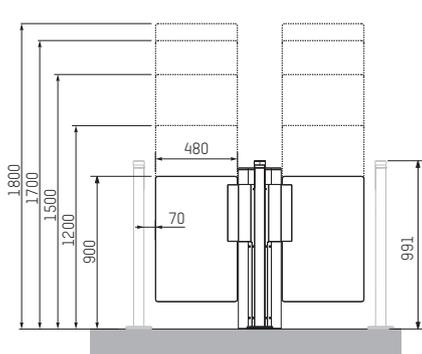
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ROW - SlimLane/EN (2020-12)