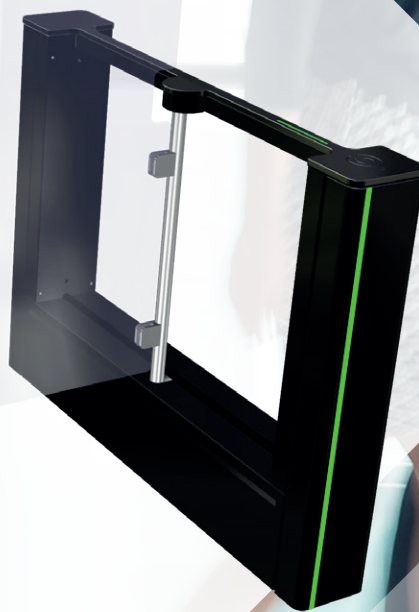


FIRSTLANE

SPEEDGATES



AS AUTOMATIC
SYSTEMS

Leading the way to future
safety and security

FIRSTLANE

More and more, private and public property owners need to secure their buildings with effective and discreet solutions that restrict access to specific areas. Our optical barrier speed gate turnstiles help security personnel deal with large quantities of daily visitors. Our products are designed to provide a smooth and rapid passage thanks to state-of-the-art detection technology and intuitive visual indicators. With more than 50 years of experience in secure access control, AUTOMATIC SYSTEMS has developed a variety of different speed gates that can suit any type of environment in terms of aesthetics, modularity and level of security.

The FirstLane speed gate, the most recent addition to the Automatic Systems pedestrian portfolio, continues the Automatic Systems successful trend thanks to its attractive minimalist design which allows it to fit perfectly in environments where a reliable level of security is required. Today, we've broadened the FirstLane offering by adding to the classical black-painted steel housing model, a stainless-steel version, and an outdoor model.

The new FirstLane has retained all the technical features that made it stand out but we've improved its looks even further with slimmer, more elegant LEDs. Offering a more refined look but retaining Automatic Systems' renown reliability. The FirstLane stainless steel housing version lends itself well to more sophisticated environments requiring a high throughput. The FirstLane Plus speed gate comes with aerodynamic obstacles that are designed to withstand outdoor conditions and offers a strong resistance against wind force and corrosion (IP44). FirstLane and FirstLane S are available with obstacles of different heights (from 900 mm to 1800 mm) to help prevent fraud and physically block access to unauthorised persons attempting to jump over the equipment.

The FirstLane series provides a high bi-directional flow without compromising the users safety. The exclusive DIRAS detection system, one of the most reliable available on the market, ensures precise user tracking for maximum safety and security. Thanks to the dynamic LED lighting, FirstLane speed gates are so easy to use that untrained users can easily use the secured lane. All models offer two passage widths: a standard lane of 600 mm (24 inch) and a wide lane of 900 mm (36 inch) to facilitate access for reduced mobility users or service personnel carrying bulky objects. FirstLane speed gates can integrate card readers or any biometric system to facilitate the work of security staff. Moreover, the FirstLane series is compatible with Automatic Systems ASLink Monitor, the new monitoring interface for Automatic Systems products which allows multi-site remote control of your equipment for up to 500 lanes regardless of location.

Automatic Systems uses top quality materials and state-of-the-art technology to insure that the FirstLane speed gates are highly reliable and suitable for any architectural environment, from classic to modern and everything in between.



**STYLISH &
ARCHITECTURAL TRENDS**

INTUITIVE USER EXPERIENCE



QUALITY OF BUILD, RELIABILITY & SERVICE

INNOVATIVE TECHNOLOGIES



SECURITY



SAFETY



PASSAGE FLOW



CONNECTIVITY



WIND-RESISTANT



MARKETS

- ◆ Office buildings, head offices and administrative sites
- ◆ Schools, universities and colleges
- ◆ Gyms and fitness centres
- ◆ Government buildings and institutions
- ◆ Stadiums & Museums



WATCH THE VIDEO

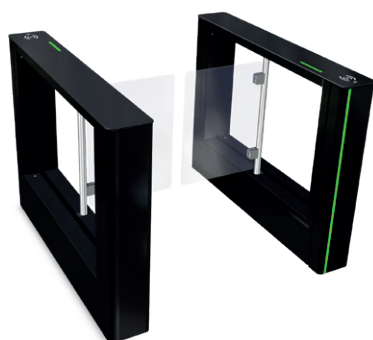


red**dot** winner 2021

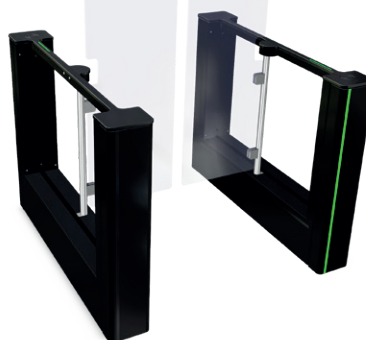
FIRSTLANE FAMILY

The FirstLane swing door speed gates offer unbeatable value for money whilst ensuring safety and quality have not been compromised. The new series includes 3 new models: the FirstLane with black-painted steel lends itself to many uses and applications thanks to its simple yet modern design; the FirstLane S speed gate in stainless-steel is even more robust and elegant than the basic version, it is designed to fit well in sophisticated environments that require intensive use; the FirstLane Plus, the outdoor model IP44 with aerodynamic obstacles, is designed to be wind-resistant. All the versions are available in two different passage widths (600 mm and 900 mm for people with reduced mobility) and with low or high obstacles.

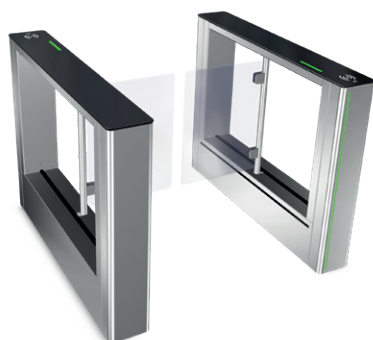




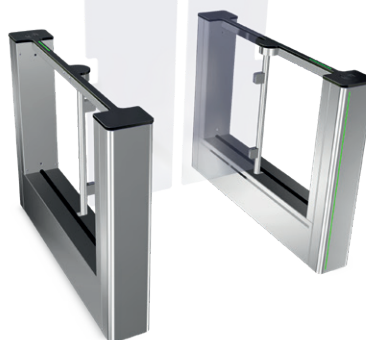
FIRSTLANE
LOW OBSTACLES



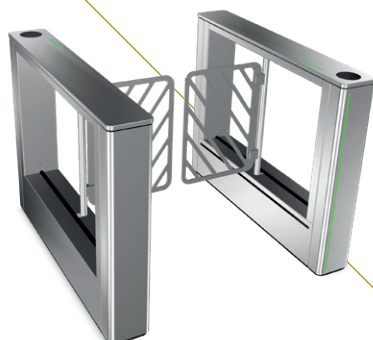
FIRSTLANE
HIGH OBSTACLES



FIRSTLANE S
LOW OBSTACLES



FIRSTLANE S
HIGH OBSTACLES



FIRSTLANE PLUS
LOW OBSTACLES



FIRSTLANE PLUS
HIGH OBSTACLES



FEATURES



SAFETY

PREVENTS FINGER ENTRAPMENT and other hazards

ELECTRO-MECHANICAL DRIVE UNITS including:

- ♦ Controller for progressive accelerations and decelerations of the obstacles, for smooth movement and enhanced user safety
- ♦ Geared electromagnetic brake for locking of obstacles in the event of forced entry attempts (optional)
- ♦ Sensor monitoring the obstacle position

EUROPEAN STANDARD SAFETY EN 16005 COMPLIANT

Requirements regarding the strength of trapping and impact energy

EMERGENCY EXIT CERTIFIED, EN13637

SECURITY

BEST IN CLASS FOR FLOW AND ELECTRONIC DETECTION

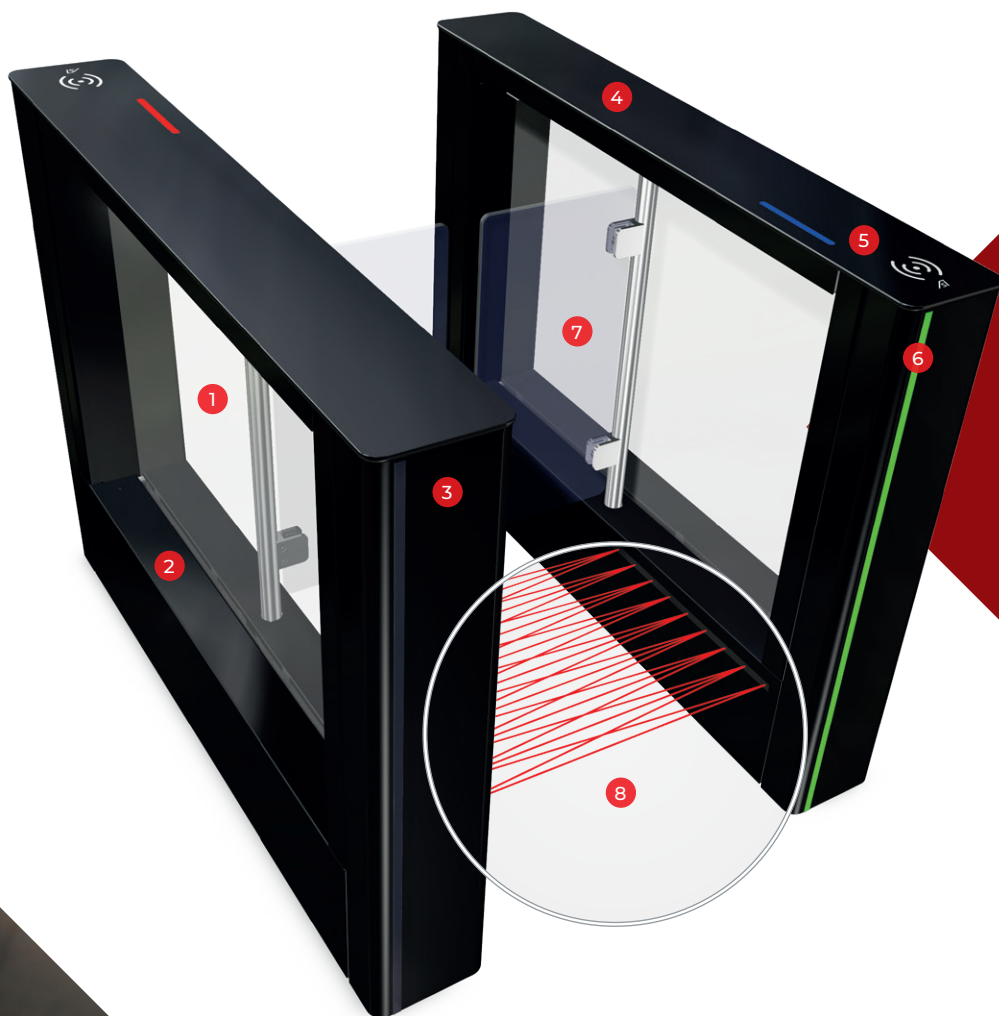
PROPRIETARY DIRAS DETECTION SYSTEM

- ♦ High-density matrix of infrared beams (every 22,5 mm) 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...

MULTIPLE INTEGRATION CAPABILITIES (OPTIONAL)

The cabinet allows to integrate authentication solutions including:

- ♦ RFID, QRcode and barcodes readers
- ♦ Biometric devices



UP TO
60 
per minute
with
“hands free”
proximity reader



ROBUST

STEEL FRAME

- ◆ Robust and stable
- ◆ RoHS anti-corrosion zinc plating treatment
- ◆ Housing in black painted steel or brushed AISI 304L stainless steel

SIDE PANELS (OPTIONAL)

- ◆ Clear 8 mm thick tempered monolithic glass (FirstLane and FirstLane S)

OBSTACLES

- ◆ Clear 10 mm thick tempered monolithic glass obstacles (for FirstLane and FirstLane S speed gates)
- ◆ Obstacles in 8 mm thick painted steel, swinging in the direction of user passage with anti-corrosion treatment (FirstLane Plus).

GREAT RELIABILITY

- ◆ 5.000.000 MCBF (Mean Cycles Between Failures)

1. TEMPERED GLASS SIDE PANEL (OPTIONAL)
2. BRUSHED STAINLESS STEEL 304L BODYWORK
3. POWDER COATING BLACK FINISH
4. ROBUST 8 MM TEMPERED GLASS TOP COVER
- 5 & 6. DYNAMIC LIGHTING AND PICTOGRAM
7. GLASS OBSTACLES
8. PROPRIETARY DIRAS DETECTION SYSTEM

SPECIFICATIONS



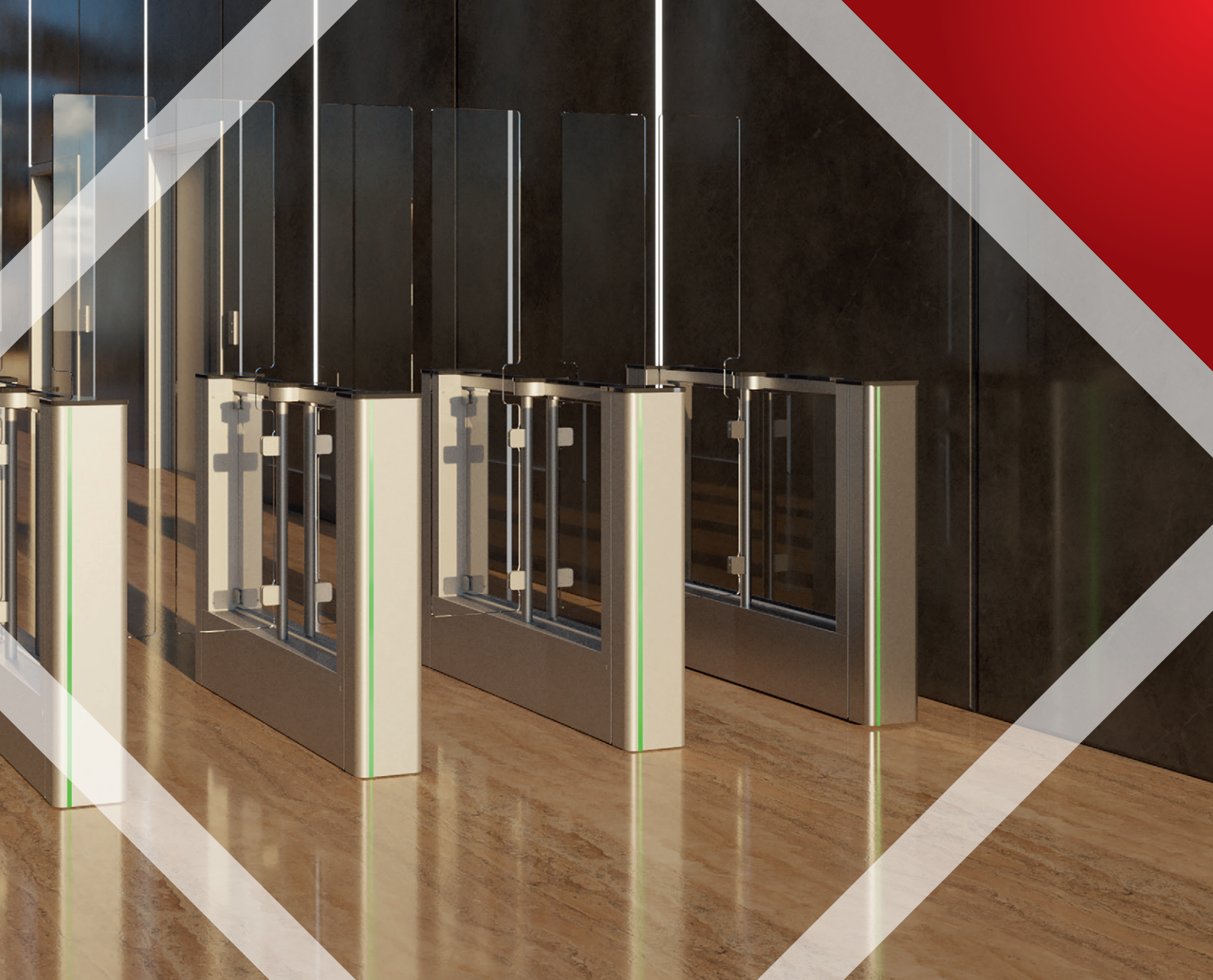
AESTHETICS

- ♦ Modern and stylish look
- ♦ Aesthetic top cover in 8 mm thick monolithic tempered glass with black screen printing
- ♦ Dynamic lighting
- ♦ High-quality materials

USER EXPERIENCE

FUNCTION PICTOGRAMS for intuitive use

- ♦ High throughput, up to 60 users per minute
- ♦ Fast opening and closing of the obstacles
- ♦ Bi-directional movement
- ♦ Two different passage widths available (600 mm and 900 mm for people with reduced mobility)



CONNECTIVITY

TCP/IP COMMUNICATION

enabled by embedded software allowing real-time monitoring and equipment configuration locally or remotely via a simple web-browser as well as a diagnostic tool for complete maintenance.

INFORMATION TRANSFER BY

- ♦ XML-RPC interface Double Ethernet (IPV4 and IPV6)
- ♦ Dry contacts (passage authorised, passage information, fraud, technical default...)

SURVEILLANCE (OPTIONAL)

- ♦ ASLYNK MONITOR surveillance interface. Simple and elegant solution for managing one or two access control equipment areas remotely, via an Ethernet network.



DESIGN ELEMENTS



FINISHINGS

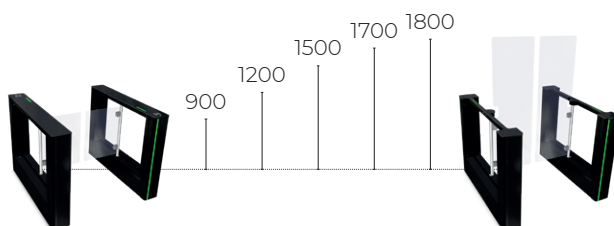
1. Black-painted steel housing (FirstLane)
2. Stainless steel housing (FirstLane S & FirstLane Plus)

OBSTACLES

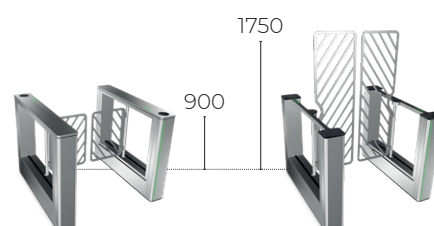
- ◆ Clear 10 mm thick tempered monolithic glass obstacles (FirstLane & FirstLane S)
- ◆ Obstacles in 8 mm thick painted steel, with anti-corrosion treatment (FirstLane Plus)
- ◆ Different heights available (900/1200/1500/1700/1750*/1800)

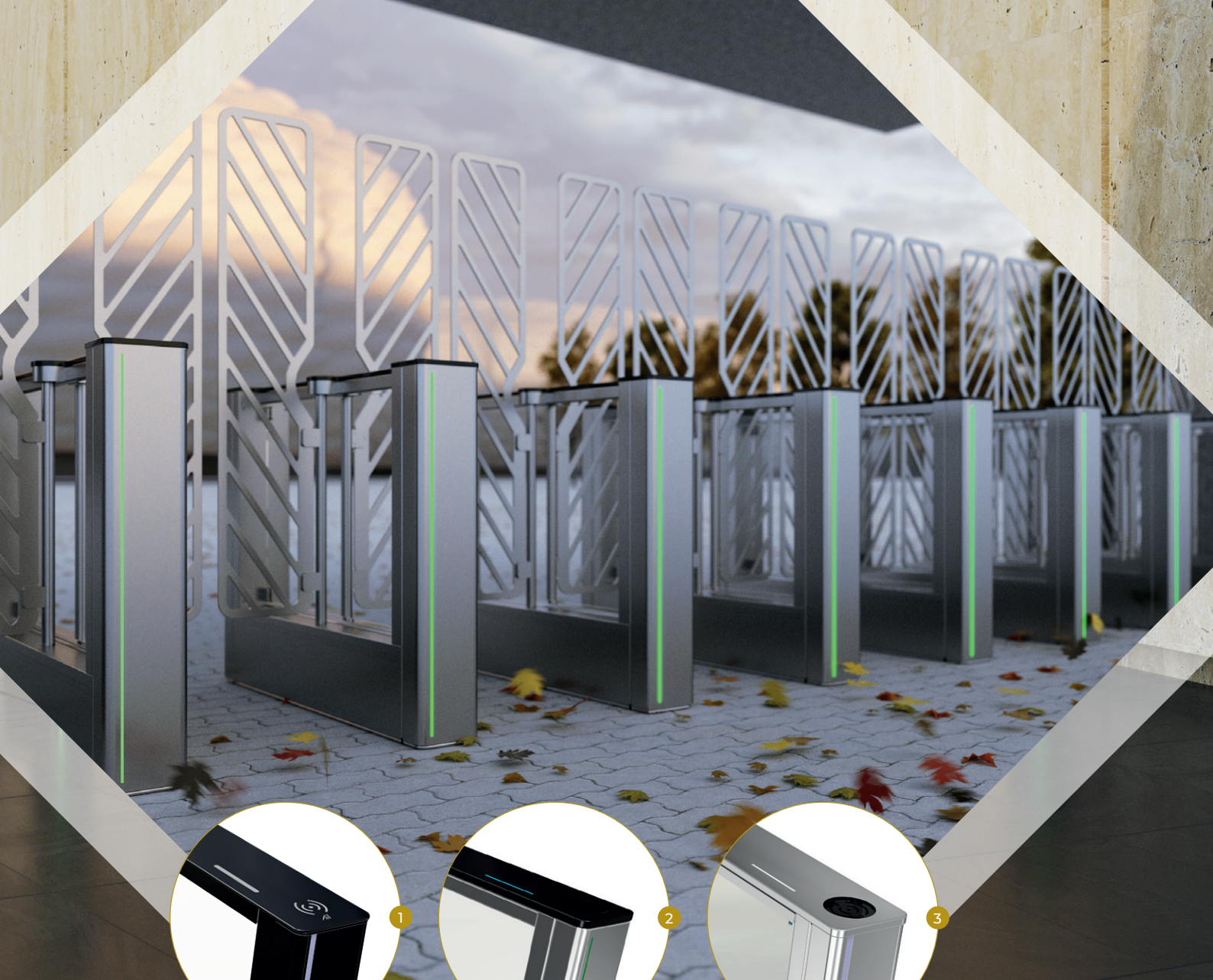
* Only for FirstLane Plus

FIRSTLANE & FIRSTLANE S



FIRSTLANE PLUS





TOP COVERS

1. GLASS

Aesthetic glass top cover in 8 mm thick monolithic tempered glass with black screen printing. The glass top cover is very resistant to scratches and allows for the integration of contactless readers and new dynamic lights without the need for cutting.

2. KRAFT

Laminate top cover with RFID logo(s), with function light(s).

3. STAINLESS STEEL

Top cover in stainless steel with screen printed glass reader screen(s), with function light(s)

	Glass top cover	Kraft top cover	Stainless steel top cover
FirstLane (low obstacles)	✓	✓*	
FirstLane (high obstacles)		✓	
FirstLane S (low obstacles)	✓	✓*	✓*
FirstLane S (high obstacles)		✓	
FirstLane Plus (low obstacles)			✓
FirstLane Plus (high obstacles)		✓	

* In option

MODULARITY



WORK TO BE PROVIDED BY THE CUSTOMER (NOT SUPPLIED)

- ♦ Bolting the unit to the floor
- ♦ Power supply
- ♦ Cabling between gates in the same array
- ♦ Cabling to any external peripherals
- ♦ Integration of any accessories

PRECAUTIONS FOR USE

- ♦ For security reasons, children must be supervised by an adult at all times when in the vicinity of the unit and during passage through the lane.
- ♦ A child must always precede the accompanying adult when lane passage is required.

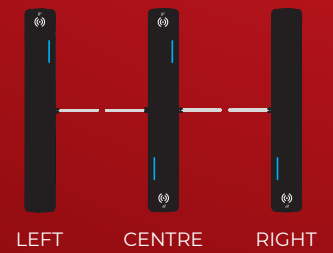
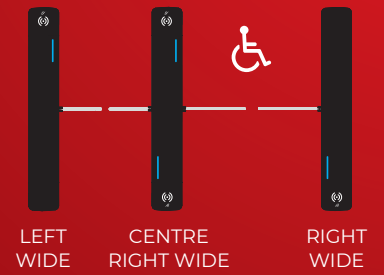
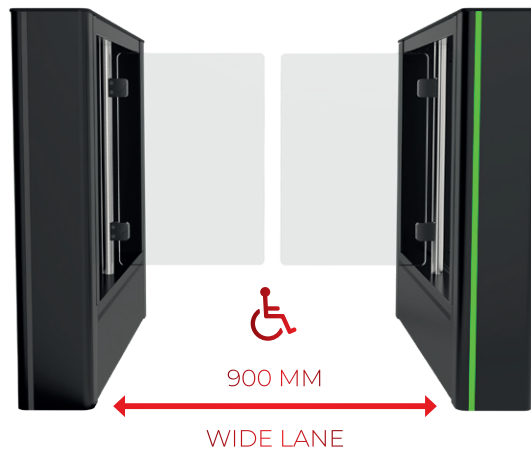
Note: Comply with the installation drawing.

With a constant view to adopting the latest technological developments, Automatic Systems reserves the right to amend the above information at any time.

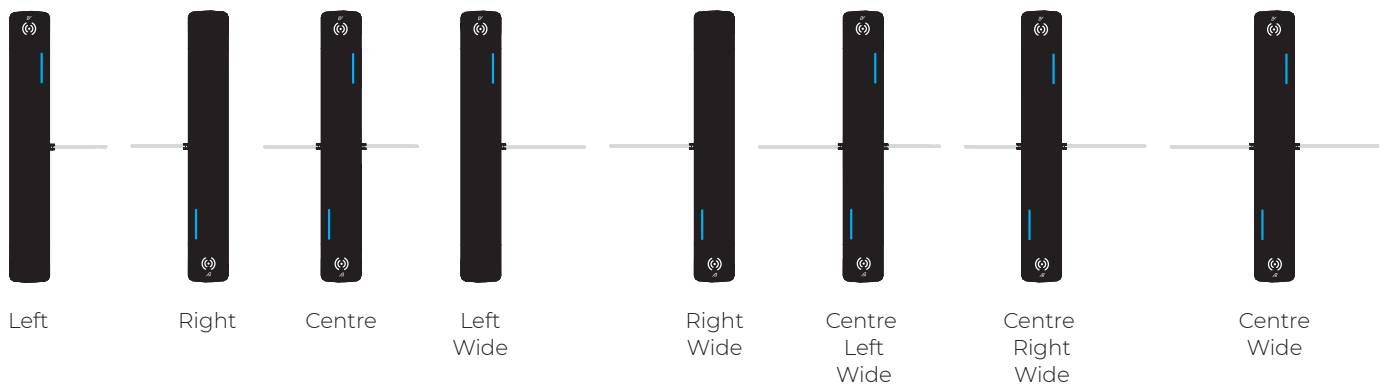
CONFIGURATION EXAMPLES

FIRSTLANE

- ♦ Passage width: 600/900 mm
- ♦ Obstacle height: 900 mm
- ♦ Footprint (W x L): 990 x 1300 mm / 1290 x 1300 mm



CABINET COMBINATIONS

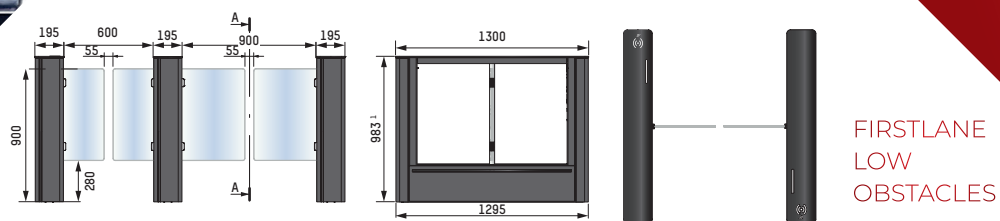




TECHNICAL SPECIFICATIONS

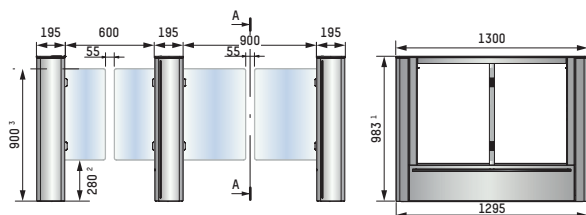
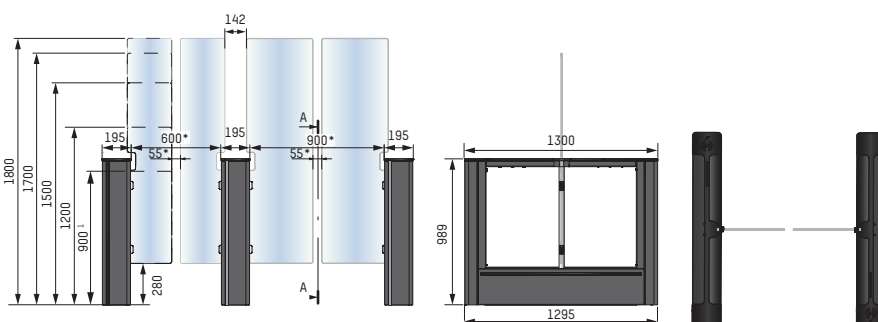
Electrical supply	Single phase 110-240 VAC (±10%) – 5 A – 50/60 Hz + ground
Power consumption	Standby: 20 W Cycle: 35 W Maximum: 80 W
Motors (x2)	24 VDC – nominal output power 86W
Passageway (L)	600 mm / 900 mm
Min opening or closing times	0.7s (depending of passageway)
Temperature range: operating	0°- 50°C Up to -10° for FirstLane Plus and FirstLane S with IP44 option Up to - 30° in option for FirstLane Plus and FirstLane S
Humidity: operating	< 95%, no condensation
Noise level	55 dB
Weight	From 103 to 122 kg
IP	FirstLane & FirstLane S: IP40 FirstLane Plus: IP44
Impact resistance	IK09
MCBF	5.000.000
CE	Conforms to European standards

DIMENSIONS (MM)



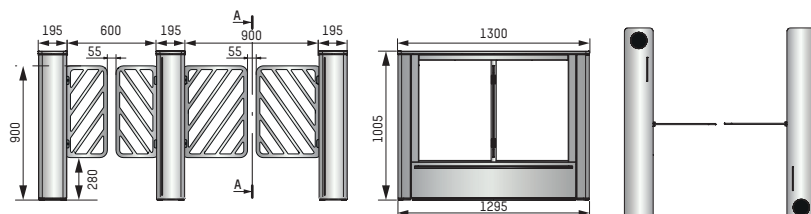
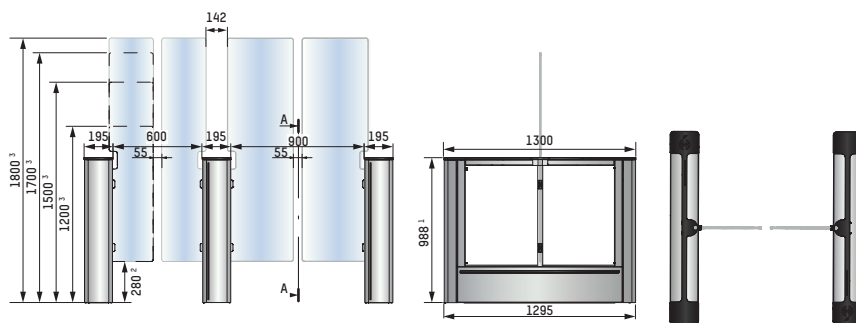
FIRSTLANE
LOW
OBSTACLES

FIRSTLANE
HIGH
OBSTACLES



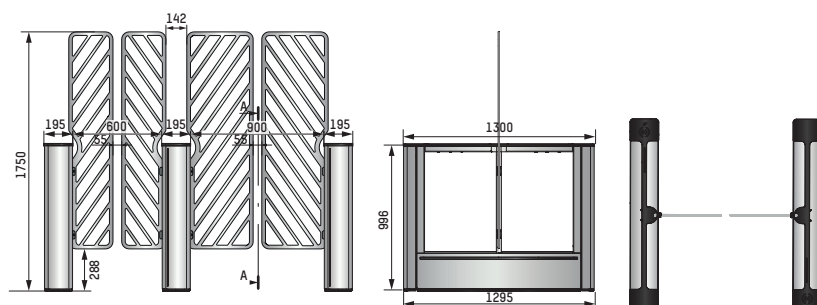
FIRSTLANE S
LOW
OBSTACLES

FIRSTLANE S
HIGH
OBSTACLES



FIRSTLANE PLUS
LOW
OBSTACLES

FIRSTLANE PLUS
HIGH
OBSTACLES



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