SlimLane

SECURITY ENTRANCE LANES

A **AUTOMATIC**
S **SYSTEMS**
iᴇʀ GROUP

PEDESTRIAN

‖SlimLane

With an innovative design, SlimLane swing door security entrance lanes combine high throughput with best in class reliability while providing a minimal footprint.

AESTHETICS

- Transparent and elegant design
- Minimal footprint for maximum throughput
- Discreetly and ergonomically integrated card reader
- Precision controlled tempered glass obstacles
- Top quality assembly and finish

SAFETY

- Dynamic, electronic user protection
- Prevents finger entrapment and other impacts
- In the event of a power outage, the obstacles will breakaway
- 'EGRESS' operating mode meets the highest fire safety standards

SECURITY

- High-performance detection system regardless of obstacle height
- Glass obstacles up to 1700 mm
- Electromechanical locking to withstand forced entry attempts

THROUGHPUT

- Fast opening/closing of swing doors (< 1 sec.)
- Precise pictograms for intuitive use

RELIABILITY

- Highly reliable products with MCBF of several million cycles
- Very low cost of ownership
- World leader in speed gate market (IMS source)

CONNECTIVITY

- TCP/IP communication
- XML/RPC software interface
- Interoperability with building management systems
- Embedded software providing monitoring and configuration capacity

45 YEARS of experience
100.000 security entrance lanes
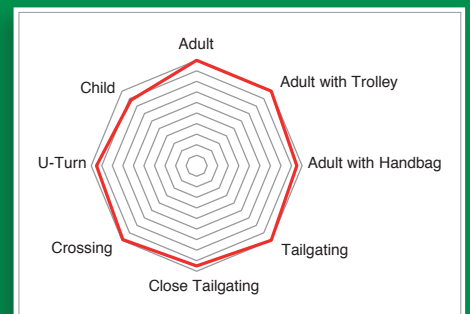**90 MILLION** daily users

BEST IN CLASS FOR ELECTRONIC DETECTION

- Beams every 22.5 mm
- Dynamic and predictive algorithms (size, position, direction, speed)
- End-to-end detection
- High processing capacity
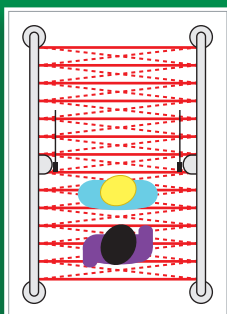
Passage scenarios and fraud detection:

- Tailgating
- Piggybacking
- Trolleys
- Childrens
- U-turn
- Crossing
- Multiples entries

Adult
Child
Adult with Trolley
U-Turn
Adult with Handbag
Crossing
Tailgating
Close Tailgating

MODULARITY

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

COMPACT TO WIDE

940

950

950EW

Footprint (W x L):
940: 1000 x 1640 mm / 1000 x 1274 mm (SC)
950: 1300 x 1640 mm / 1300 x 1274 mm (SC)
950EW: 1600 x 1640 mm
944: 857 x 1640 mm / 857 x 1274 mm (SC)
945: 1300 x 1640 mm / 1565 x 1274 mm (SC)

LOW TO HIGH GLASS

From 900 mm
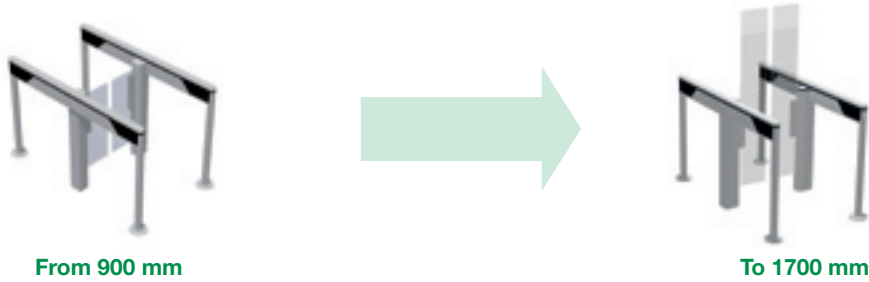
To 1700 mm

Obstacle heights:
900 / 1200 / 1500 / 1700 mm

SINGLE OR DOUBLE DOOR

Single Door

Double Door

Passage width:
550 / 600 / 900 mm

SHORT (SC) OR STANDARD HOUSING

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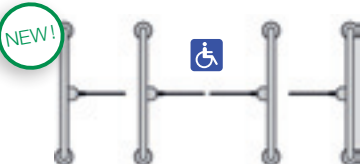1274 mm short (SC) / 1640 mm standard

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SlimLane 944 Inlane for greater modularity

○ Endless configuration possibilities
○ Compatible with all options
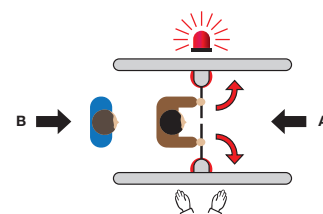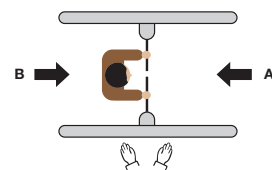○ Competitive price

SlimLane 944 Inlane (3 x 944)

SlimLane SC with reduced footprint

○ Slim and modern design
○ Fast opening and closing
○ Compact footprint
○ No compromise on detection
○ Not compatible with SlimLane 950EW

SlimLane 944SC + 950SC + 944SC

TWO OPERATING MODES

'SECURI-SAFE' mode focused on security (standard)

B → ← A

'EGRESS' mode compliant with the highest fire safety standards (option)

OPTIONS & ACCESSORIES

Choose from our range of options and accessories to customise the design, safety level and control of your SlimLane.

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

AESTHETICS & CUSTOMISATION

- With or without glass side panels
- Customisable equipment integrating perfectly with your architectural style
- Customised glass obstacle with pattern or logo

CONTROL & COMMAND

- Smooth integration of proximity, magnetic card readers, biometric scanners, and other user authentication systems
- Smart n' Slim monitoring panel for remote management of security entrance lanes


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 (fire…)

MARKETS

- Banks and insurance companies
- Government buildings and institutions
- Office buildings, head offices and administrative sites
- Schools, universities and colleges

www.automatic-systems.com
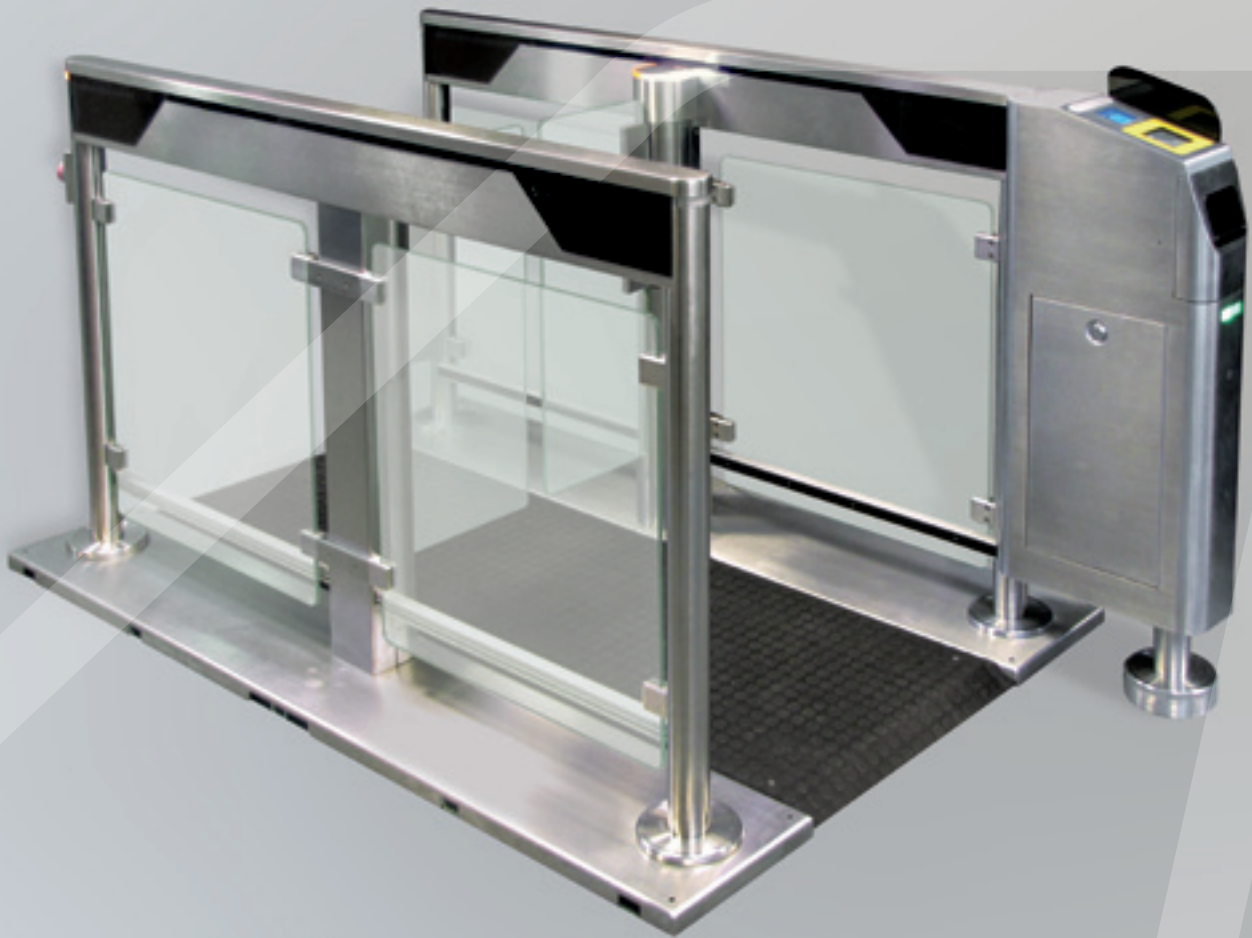
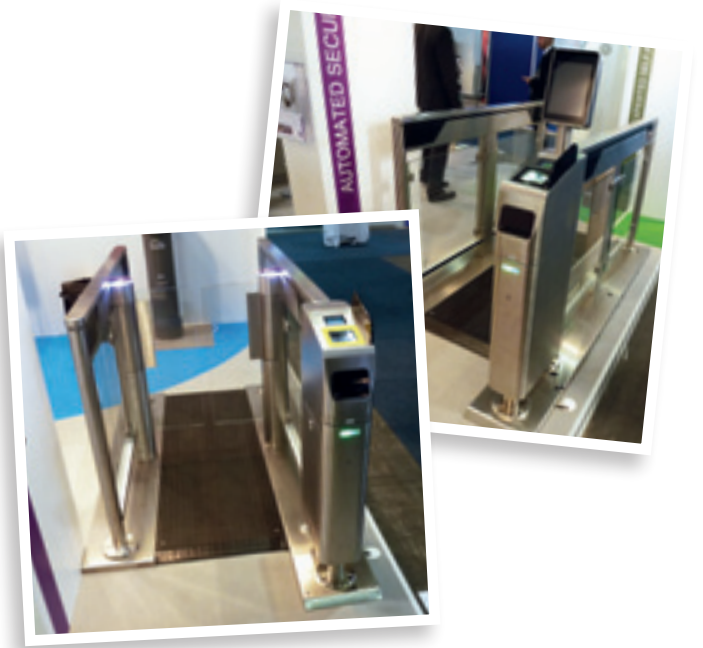# SlimLane AP

SECURITY INSPECTION & SELF BOARDING

AUTOMATIC SYSTEMS
ier GROUP

AIRPORT

SLIMLANE AP
AIRPORT PASSENGER

Featuring a streamlined design, SlimLane AP swing door security entrance lanes combine high throughput with advanced passenger detection while providing a minimal footprint.

AESTHETICS

- Transparent and elegant design
- Minimal footprint for maximum throughput
- Ergonomic user interface including barcode & NFC reader, colored display and receipt printer
- Precision controlled tempered glass obstacles
- Top quality assembly and finish

THROUGHPUT

- Fast opening/closing of swing doors (<1 sec.)
- Precise pictograms for intuitive use

SAFETY

- Dynamic, electronic user protection
- Prevents finger entrapment and other impacts
- In the event of a power outage, the obstacles will breakaway
- 'EGRESS' operating mode meets the highest fire safety standards

RELIABILITY

- High throughput at the boarding gate: up to 30 passengers/minute
- Highly reliable products with MCBF of several million cycles
- Low cost of ownership
- World leader in speed gate market (IMS source)

SECURITY

- High-performance detection system regardless of obstacle height
- Glass obstacles up to 1700 mm
- Electromechanical locking to withstand forced entry attempts

45 YEARS of experience
100.000 security entrance lanes
90 MILLION daily users

MONITORING & MAINTENANCE

- Throughput management application runs on an open source operating system (Linux) and an embedded Web server
- Intuitive maintenance interface offering real-time monitoring and the ability to configure and maintain every lane locally or remotely via a simple Web browser
- Complete connector technology with standard IP and USB connectors
- Auto failure monitoring and automatic lane reconfiguration mechanism for increased service time

MODULARITY

A complete offering including compact, standard and wide lanes with various glass obstacle heights and a wide selection of options and accessories

SlimLane 940/950 AP
DOUBLE SWING DOOR

Standard Lane width:
600 mm (23⅝")
Or ADA Wide lane width:
900 mm (35³⁄₇")

Overall dimensions
Standard Passageway: 1955 x 1005 mm (77" x 39⅔")
Wide Passageway: 1955 x 1305 mm (77" x 51⅖")
Obstacle heights: 900, 1200, 1500, 1700 mm

SlimLane 944 AP
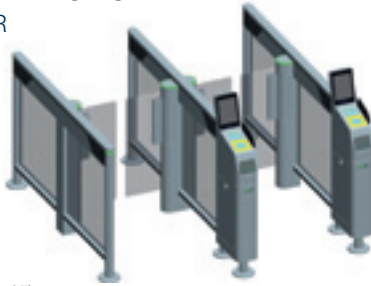### SINGLE SWING DOOR

Standard Lane width:
584 mm (23")

Overall dimensions
Compact Passageway: 1955 x 896 mm (77" x 35⅓")
Obstacle heights: 900, 1200, 1500, 1700 mm

SlimLane 940 AP in Lane
DOUBLE SWING DOOR

Standard lane width:
600 mm (23⅝")

Overall dimensions
Dual Passageway:
1955 x 1995 mm (77" x 78½")
Obstacle heights: 900, 1200, 1500, 1700 mm

SlimLane 945 Twin AP
SINGLE SWING DOOR

Standard lane width:
583 mm (23⅝")

Overall dimensions
Dual Compact Passageway:
1955 x 1645.5 mm (77" x 64⅘")
Obstacle heights: 900, 1200, 1500, 1700 mm

DETECTION & SECURITY

SlimLane AP detection system is particularly suitable for passenger motion detection at airports & airlines industry. An innovative combination of elevated computing power and a high density matrix of IR beams guarantees dynamic and predictive passenger tracking.

SlimLane AP detection is based on 2 lines of infrared cells positioned horizontally:

- Waist-height positioning (1st line)
- Ankle-height positioning (2nd line)
- Each line is made of four (4) DIRAS sensor bands totalling 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 64 IR beams electronically controls each passage and prevents unauthorized users in secured zone

SlimLane AP detects the most challenging fraud attempts:

- Advanced tailgating attempt detection
- Opposite direction fraud detection
- Turnaround detection with the possibility of setting the tolerance levels
- Anti-pass back function
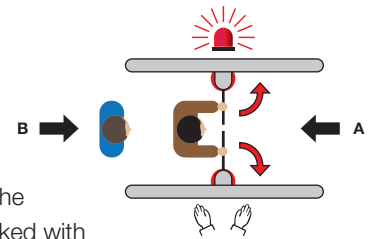- Reliable people counting system
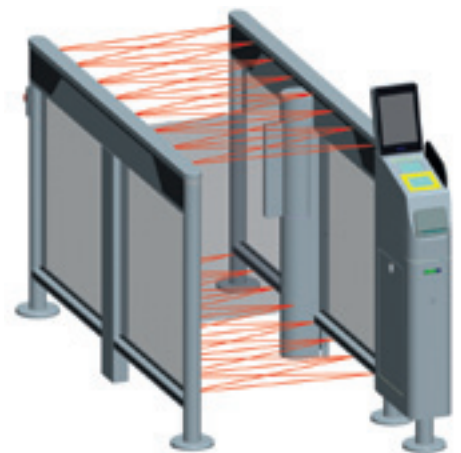
TWO OPERATING MODES

'SECURI-SAFE' mode focused on security (standard)

◇ Electromechanical locking of obstacles in case of a forced entry attempt in direction A or B
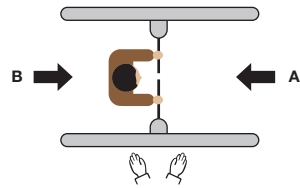
'EGRESS' mode compliant with the highest fire safety standards (option)

◇ In case of emergency, the obstacles can be unlocked with a simple push to automatically open in the direction of egress (direction B)

◇ Audio and visual alarms to signal evacuation in progress

◇ Returns to prior operating mode (programmable timer)

TECHNICAL SPECIFICATIONS

Application Interface	AEA2012 Boarding or embedded PC application
Communication	Serial, Ethernet, USB
Multifunction reader	IER 602 2D/1D Bar Code scanner, RFID and NFC
Obstacle	Swing door single or double, 10 mm thick monolithic glass
Minimum opening or closing times	<1s. version dual swing door
	1s. version single swing door
Frame	Self-supporting kinematic steel
Housing	Stainless steel
Passageway for double swing door	600 mm standard or 900 mm ADA extra wide
Passageway for single swing door	584 mm standard
Power Supply	110 - 240 VAC 50/60hz
Consumption per lane	Maximum 300 W
Motor	24V 118W
Ambient temperature	0 to + 40°C
Ambient relative humidity in operation	< 95%, no condensation
Sound level	55 DB
Weight	SlimLane 940/950 AP Double swing doors
	◇ Single lane 160 kg
	◇ Dual lane 284 kg
	SlimLane 944/945 AP Single swing door
	◇ Single lane 140 kg
	◇ Dual lane 237 kg
IP	40
Standards	CE (UL pending)
Optional Receipt printer	Direct Thermal printer 203 dpi, 80 mm Paper width, 72 mm Print width, 350 mm/sec Printing speed, 83 mm max Internal paper roll diameter, Output sensor
Optional PC	Intel Pentium G645T2, 4GHz processor, 4GB Memory, 320 GB HD
Optional additional 8" screen	8,4 inch color TFT – LCD

BENEFITS

◇ Automation of passenger access control
◇ Restricts access to secured zone
◇ Passenger tracking

◇ Reduced need for manned entrance
◇ Meets fire safety standard
◇ Reduced need for accurate control of passenger flow