

Swing Turnstile MT313

Brochure

Designed By MairsTurnstile



Provide high-quality security turnstile solutions for global customers



www.mairsturnstile.com

Swing Turnstile MT313

Supermarket entrance swing turnstile MT313 has a slender, upright post with a horizontal arm or barrier that rotates in a vertical plane. It can work as a single(1pcs) or a pair(2pcs). The lane width of a single can be set to 600-1000mm. The lane width of a pair can be set to 600-2000mm, which can be used for wheelchair, luggage or bicycle access.

Support comprehensive personalized customization: body color matching, gate length, top atmosphere light strip, traffic signs, supermarket logos, and sensing height can be adjusted as needed; The width of the channel can be flexibly customized, allowing pedestrians and small shopping carts to pass smoothly. It is suitable for different sizes of large supermarkets, boutique convenience stores, and community fresh food stores, perfectly matching the decoration tone of the store.

Super compatible system, connecting the integrated settlement core of unmanned supermarkets

1. Universal full category access control integration: Reserved open docking interface, can seamlessly integrate all third-party access control systems such as card swiping, facial recognition, QR code, receipt verification, member recognition, etc. The original store equipment does not need to be completely replaced, and the transformation is low-cost and fast to implement;
2. Deep integration of supermarket shopping system: It can be deeply linked with supermarket checkout, self-service settlement, member verification, and loss prevention backend. After customers complete self-service scanning and settlement, the gate will automatically release, and unsettled products will trigger device warning interception;
3. Integrated solution for built-in customized industrial control computer: supports the installation of customized industrial control host inside the gate, with integrated software and hardware, without the need for additional control cabinets. It can directly build a complete unmanned supermarket self-service shopping exit loop, saving the cost of wiring and debugging multiple devices. One set of equipment can achieve the three major functions of settlement, passage, and loss prevention.

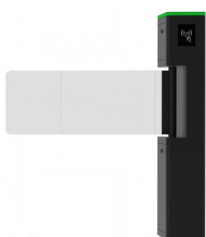
Hardcore supermarket security, preventing product theft and damage, built-in high-precision infrared sensing and intelligent anti tailgating algorithm, accurately identifying multiple people following and carrying unsettled products; The brake lever automatically rebounds and prevents jamming when encountering obstacles, ensuring zero collision for the elderly, children, and shopping carts; The hard physical barrier effectively intercepts the departure of non settlement personnel, significantly reducing supermarket losses and minimizing labor costs for loss prevention.

Technical Specifications

Dimension	250*190*1050mm (0.82*0.62*3.44ft) (standard)	Power Supply	100V-240V 50/60Hz
Brand	MairsTurnstile	Working Mode	Single pcs or a pair
Material	SUS 304 / Iron with powder coated	Working Environment	Indoor / Outdoor
Arm Material	Acrylic with LED / SUS304	Open Signal	Passive Relay (Dry Contact)
Passage Width	600mm (1.97ft) -900mm(2.95ft)	Communication	RS485/RS232
Passage direction	Unidirectional/Bi-directional	Working Temperature	-40°C ~ 70°C
Mechanism	DC Brushless Motor	Working Direction	Unidirectional/Bi-directional
Pass rate	30-35 persons/minute	MCBF	3,000,000 Cycles
Operating time	0.2 seconds	Relative Humidity	95% Maximum



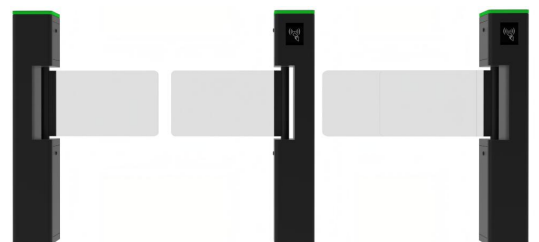
Lane Combination



One Lane



One lane (A pair)

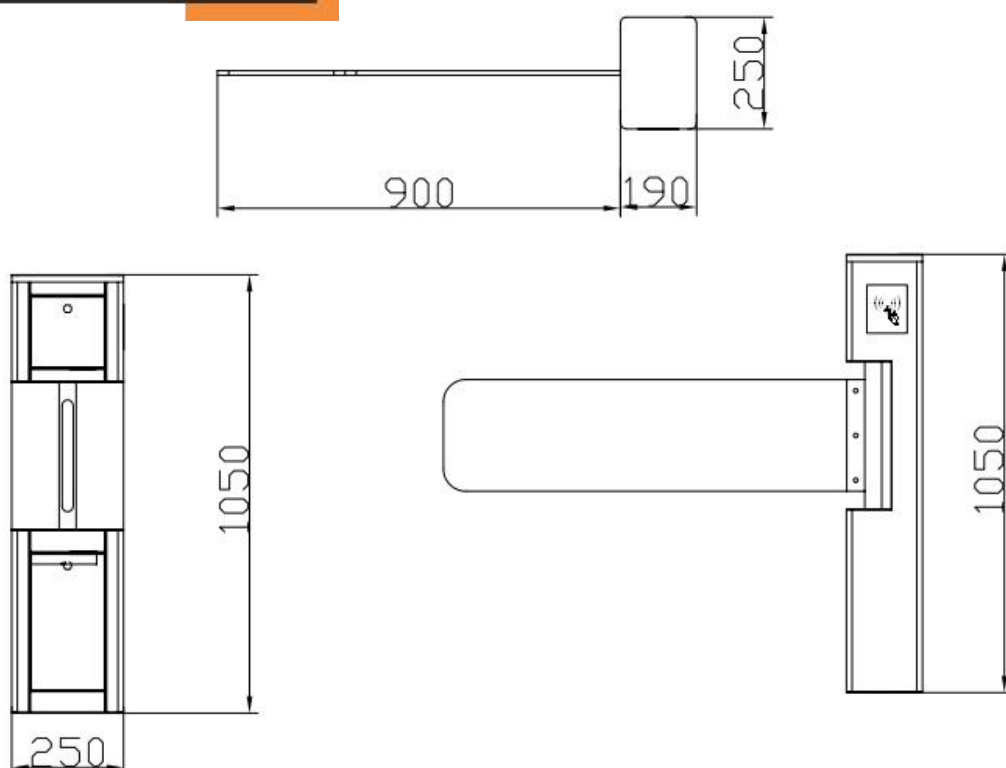


Two lanes (Supports various combinations)

Features

- **Led Alerts:** High-visibility green and red icons indicate direction in real time.
- **Emergency Exit:** Allows free passage during power outages or emergencies and resets automatically when power returns.
- **Working Direction:** Supports both single-directional and bi-directional operation.
- **Automatic Reset:** Arms lock automatically within 5 seconds (adjustable) if access is delayed.
- **Aanti-pass Back:** The gate stays locked if someone attempts entry from the reverse direction.
- **Anti-Intrusion:** The gate remains locked until a valid open signal is received.
- **Fast Unlock:** Unlocks within 0.2 seconds (adjustable) upon receiving a valid signal.
- **High Performance:** Long-life, highly reliable operation with fast response.
- **High Mechanism:** Full-height mechanism ensures smooth and stable running.
- **Alarm Function:** Infrared sensors trigger an alarm for illegal or reverse intrusion.

Dimensions



Customization

The cutout for readers can be customized

Provide us with the dimensions of the card reader/scanner or other access control reader and we will customize the cutout according to its dimensions.



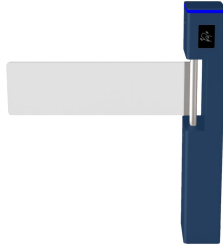
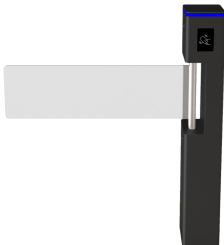
LOGO can be customized

1. Logo can be printed on swipe card window, or cutout the logo on the gate body with LED. AI or CRD files required.
2. Logo can be printed on metal nameplates and attached to gates.



Chassis color can be customized

Supports paint coated or galvanized.
RGB, RAL or Pantone number required.



Black



Gray



Green



Gold



Red

Other customizable Options

- Gate dimensions can be customized according to the site.
- Material optional: 304 stainless steel, 316 stainless steel, iron with powder coated and galvanized (color can be customized).
- Tripod arm material available in stainless steel and power coated in galvanized steel
- Lights and infrared sensors can be added.
- LED colors can be customized.
- Swipe card icon can be cancelled.
- Customized 3D drawings are available based on the site photos.
- OEM&ODM service is available.

Accessories



Mounting Base

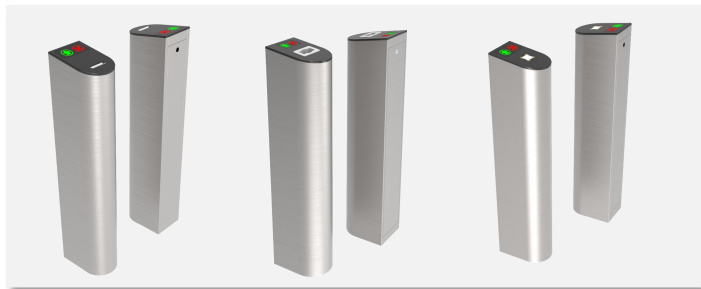
Optional:

1. Mounting base (for above floor wiring) ;
2. Removable base with wheels (for temporary events);
3. 201 stainless steel with anti-slip texture;
4. Iron with black powder coated.

Barrier

Optional:

1. Acrylic barrier (Logo can be printed);
2. Stainless steel tube barrier;
3. 304/316 stainless steel;
4. Iron with black powder coated.



Pillar

Optional:

1. Card collector pillar;
2. Wristband collector pillar;
3. QR code scanner pillar.

Control Panel

Buttons:

- Right/Left open
- Right/Left lock
- Right/Left free passage
- Emergency



Access Control

Our turnstile gates come with relay signals and RS485/RS232 interfaces. You can use your own access control system, or we can provide a complete access control system to you.





Contact Us

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