

# MSS-TR858

## Semi-auto Tripod Turnstiles

### Rev 1.1.2021



**Single and Bi-directional**

**Ergonomic design with anti-violent technology**

**Compact & cost effective entrance solution**

**Indoor & Outdoor application**

**LED direction guide on top panel**

**Adjustable operation mode and opening time**

**Alternative material & finishing**

**Emergency & power outage escape**

Marc Corporation Pte Ltd, located in 48 Toh Guan Road East, Enterprise Hub, #05-154, Singapore 608586 is the manufacturer for all types of turnstiles, namely Tripod, Half-height, Full-height, Flap Barrier, Swing Gate, Slide Gate, Tripod Turnstile, Speed Gate under MSS® brand name.

Our products are combination of high quality material and component, exact control algorithm, production experience for ergonomic design and modern style. They are able to control the assessment of public and manage the level of authority while still enhance the elegance and presentation of any buildings, public locations or individual assets.

Customization on material processing, special structure design and technical features are accessible with the help of our experienced engineering and technical teams.

## Description

MSS-TR858 is semi-auto, high-grade stainless steel grade 304 tripod turnstile that fully supported by hydraulic core. It can that can be used to separate the public and secured area and enforce enter and exit exactly one by one.

The turnstile can be set at either free mode (always open) and controlled mode (in locked position unless validating) in either or both direction and has standard electrical interface that can be easily integrate with common access control system equipment and 3rd party facilities such as Card reader, Bar-code Scanner, Finger-print & Facial recognition, Iris recognition, Card collector, Token reader for the purpose of authority management and toll collection.

The tripod turnstile was designed for smooth and silent operation, convenient and safety to use; the design is compact and cost-effective, to be an effective entrance solution for any area.

Application of MSS-TR858 semi-tripod turnstiles are varied from Official &

Commercial Building, Wholesale Factory, Government Facilities, International Embassies, Airport Terminal and Transportation Stations .etc.

MSS-TR858 can be used both indoor and outdoor. The material of SUS304 is long-lasting, aesthetic and weather durable. Optional of SUS316 is available on request for sea-side and harsh environment.

## Operation

In case of emergency and power outage, the arm will be in open stage for public encumbered exit. When power is on, the arm will automatically set into its locked position. Depends on the mode of operation that it was set, it can allow the public to pass freely in one or both direction or will only allow the public to access whenever there is a validation.

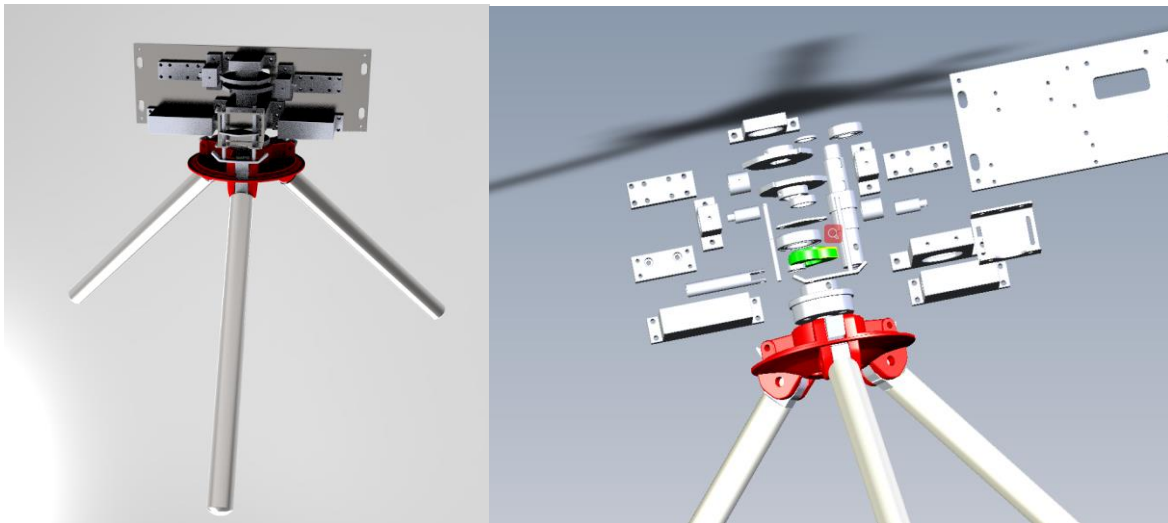
LED on top of devices at both sides of turnstiles is to indicate the authority level and direction of traffic for users convenient.

## Optional Features

- Passenger counter display
- Audio and visual alarm
- Remote-control button
- Access control integration
- Customized size, finishing color
- All-in-one card: Card access controller, Elevator, Turnstiles and Parking controller

## Standard Functions

- Automatically reset function
- Ability to choose different operating model (bi-directional, single-directional)
- Anti-reverse intrusion – to avoid one trying to pass in opposite direction of allowed direction
- Anti-violent technology to use flexible structure to absorb the majority of impact force and return to original position through self-buffering
- Time out closing feature to close entrance after a period of time without no access after an authorization (by default = 10s)
- Emergency/power outage escape, automatically drop arms to open freely in case of emergency/power outage
- Standard fire alarm input interface (N.C normally close contact)
- Multiple reader integration: Card reader, bar code scanner, finger-print detection and facial recognition at one tripod
- Selectable operation mode: Free access (always allow to pass), Controlled mode (only open for valid access authorization) in one or both direction.
- LED indication of direction and authorization status
- Available normally open and normally close mode
- Smooth operation with low noise and low mechanical impact
- Ergonomic and user friendly design for easily tabbing card
- No crew exposed for safety use of public
- Interface with peripheral computer for programming



# TECHNICAL SPECIFICATIONS

## Specifications

Power voltage	AC220V±10% V, 50Hz±10% Hz
Start-up Time	3s (Semi-auto)
Main-board voltage	24V DC
Core machine	Hydraulic
Passing speed in normally open mode	30~35 persons/min
Passing speed in normally closed mode	30~35 persons/min
Arm Length/ Passage width	510 mm/ 550mm
Automatic reset time after the failure	10 econds
MTBF	> 5 million (tested)
Operation temperature	-10°C ~ +50°C
Relative humidity	Relative ≤90%, no condensation
Working Environment	Indoor/Outdoor (with a tent cover)
Input port	Relay dry contact signal; +12V level signal and Pulse width >100ms, DC12V pulse signal
Input Interface	Dry contact signal or +12V level signal or DC12V pulse signal with a width of more than 100m2, driving current: >10mA.
Communication Interface	RS485, TCP/IP

**Dimensions: 1200/1400 x 280 x 980 mm**



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