



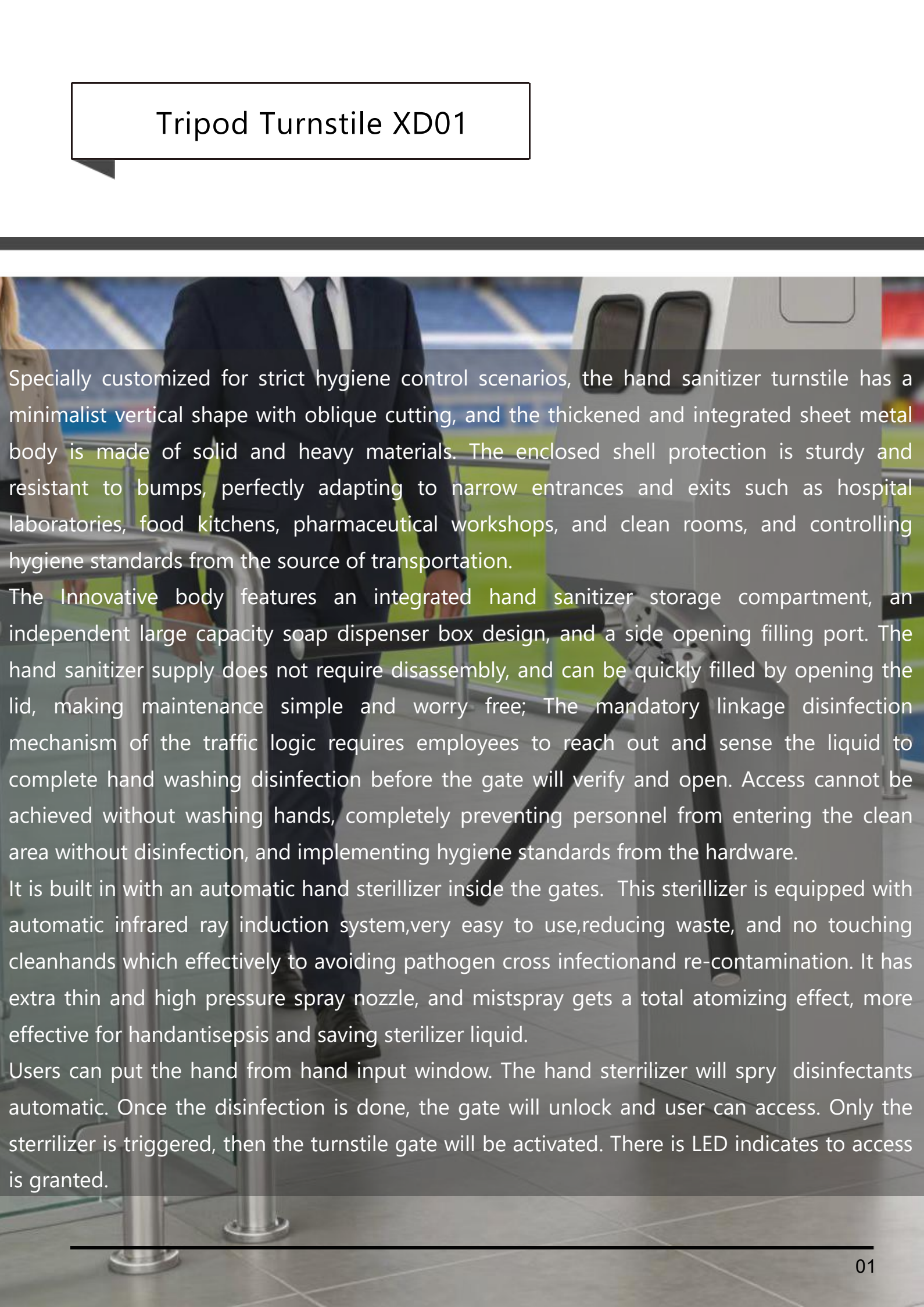
Hand Sanitizer Turnstile XD01 Brochure

Designed By MairsTurnstile

www.mairsturnstile.com



Tripod Turnstile XD01

A man in a dark suit and tie is walking through a Tripod Turnstile XD01. The turnstile is a white, tripod-shaped device with a hand sanitizer compartment. The background shows a blurred stadium or arena setting.

Specially customized for strict hygiene control scenarios, the hand sanitizer turnstile has a minimalist vertical shape with oblique cutting, and the thickened and integrated sheet metal body is made of solid and heavy materials. The enclosed shell protection is sturdy and resistant to bumps, perfectly adapting to narrow entrances and exits such as hospital laboratories, food kitchens, pharmaceutical workshops, and clean rooms, and controlling hygiene standards from the source of transportation.

The Innovative body features an integrated hand sanitizer storage compartment, an independent large capacity soap dispenser box design, and a side opening filling port. The hand sanitizer supply does not require disassembly, and can be quickly filled by opening the lid, making maintenance simple and worry free; The mandatory linkage disinfection mechanism of the traffic logic requires employees to reach out and sense the liquid to complete hand washing disinfection before the gate will verify and open. Access cannot be achieved without washing hands, completely preventing personnel from entering the clean area without disinfection, and implementing hygiene standards from the hardware.

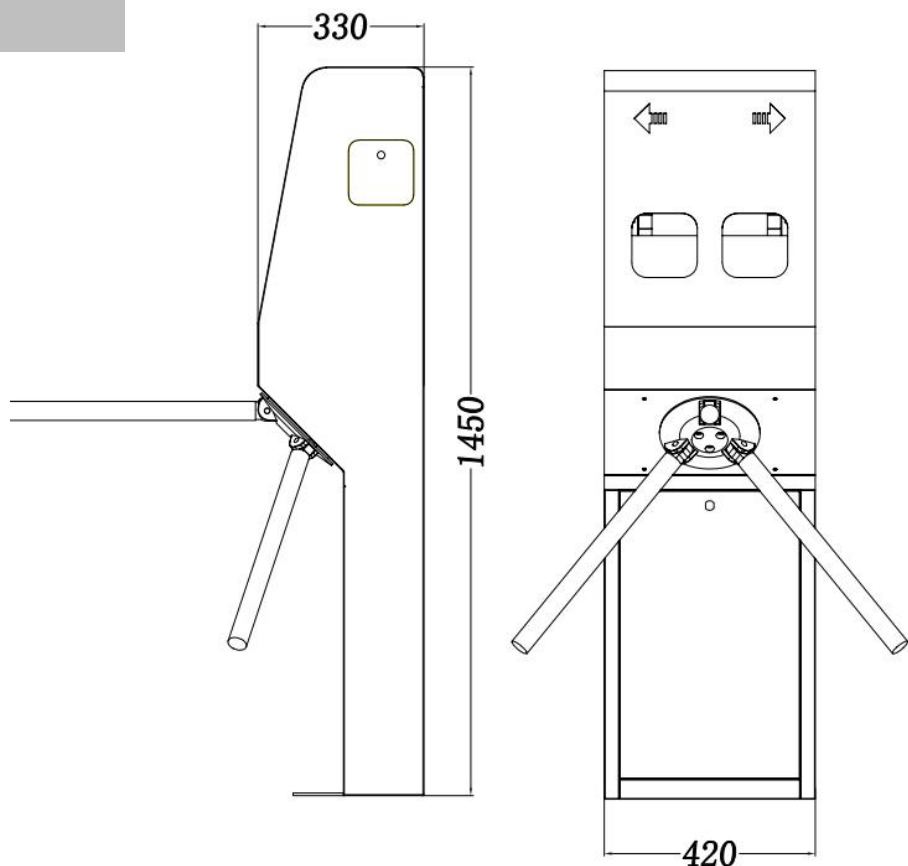
It is built in with an automatic hand sterilizer inside the gates. This sterilizer is equipped with automatic infrared ray induction system, very easy to use, reducing waste, and no touching clean hands which effectively to avoiding pathogen cross infection and re-contamination. It has extra thin and high pressure spray nozzle, and mist spray gets a total atomizing effect, more effective for hand antisepsis and saving sterilizer liquid.

Users can put the hand from hand input window. The hand sterilizer will spray disinfectants automatic. Once the disinfection is done, the gate will unlock and user can access. Only the sterilizer is triggered, then the turnstile gate will be activated. There is LED indicates to access is granted.

Technical Specifications

Dimension	420*330*1450mm (1.37*1.08*4.75ft) (standard)	Working Temperature	5°C ~ 40°C
Brand	MairsTurnstile	Disinfection Box	
Material	304 stainless steel, 316 stainless steel, Powder coated	Sterilize liquid spurted	0.6ml/S
Arm Material	510mm (1.67ft)	Rate power	40W
Passage Width	550mm (1.80ft) (standard)	Max capacity	2000ml
Pass rate	30-40 person/min	Sensing distance	10±3cm
Power Supply	100V-240V 50/60Hz	Disinfectant Type	84 disinfectant or Alcohol
Drive Solenoid	DC 24V	Ambient humidity	≤80%
Open Signal	Passive Relay (Dry Contact)	Rated Frequency	95% Maximum
Communication	RS485	One time work period	≤4S
Working Direction	Bi-directional(standard), Unidirectional		
Emergency	Automatic drop arm after power failure		
Relative Humidity	95% Maximum		

Dimensions



Features



- LED Alerts: LED indicates access status: green for granted, blue for standby, flashing red for denial.
- Emergency Exit: Arm drops during power outages for free emergency passage & requires manual reset when power returns.
- Working Direction: Supports both single-directional and bi-directional operation.
- Automatic Reset: Arms lock automatically within 5 seconds (adjustable) if passage is delayed.
- Anti-Pass Back: Remains locked if entry is attempted from the reverse direction.
- Anti-Intrusion: Gate stays locked until a valid open signal is received.
- Fast Unlock: Unlocks within 0.2 seconds (adjustable) upon receiving a valid signal.
- Hydraulic Damper: Hydraulic damper ensures quiet operation.
- Mold Design: Mold-designed mechanism ensures precision, reduces labor costs, and simplifies assembly.

Customization

- Dimension: Can be made according to the client's site.
- Barrier rod: Straight barrier rod to U-shape barrier rod; X rotor to Y rotor (some models).
- Roof and lights can be added.
- Mounting base can be added.
- Cutouts can be customized to fit any reader.
- LOGO can be customized.
- Customized 3D drawings are available based on the site photos.
- OEM& ODM service is available.
- Material: 304 stainless steel to 316 stainless steel (wet environment), or iron with powder coated. The outer paint finish can be colour coded to match the local environment.

We also offer customization services.



Other colors available, RAL or RGB required.



Desktop control box



Mounting base



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