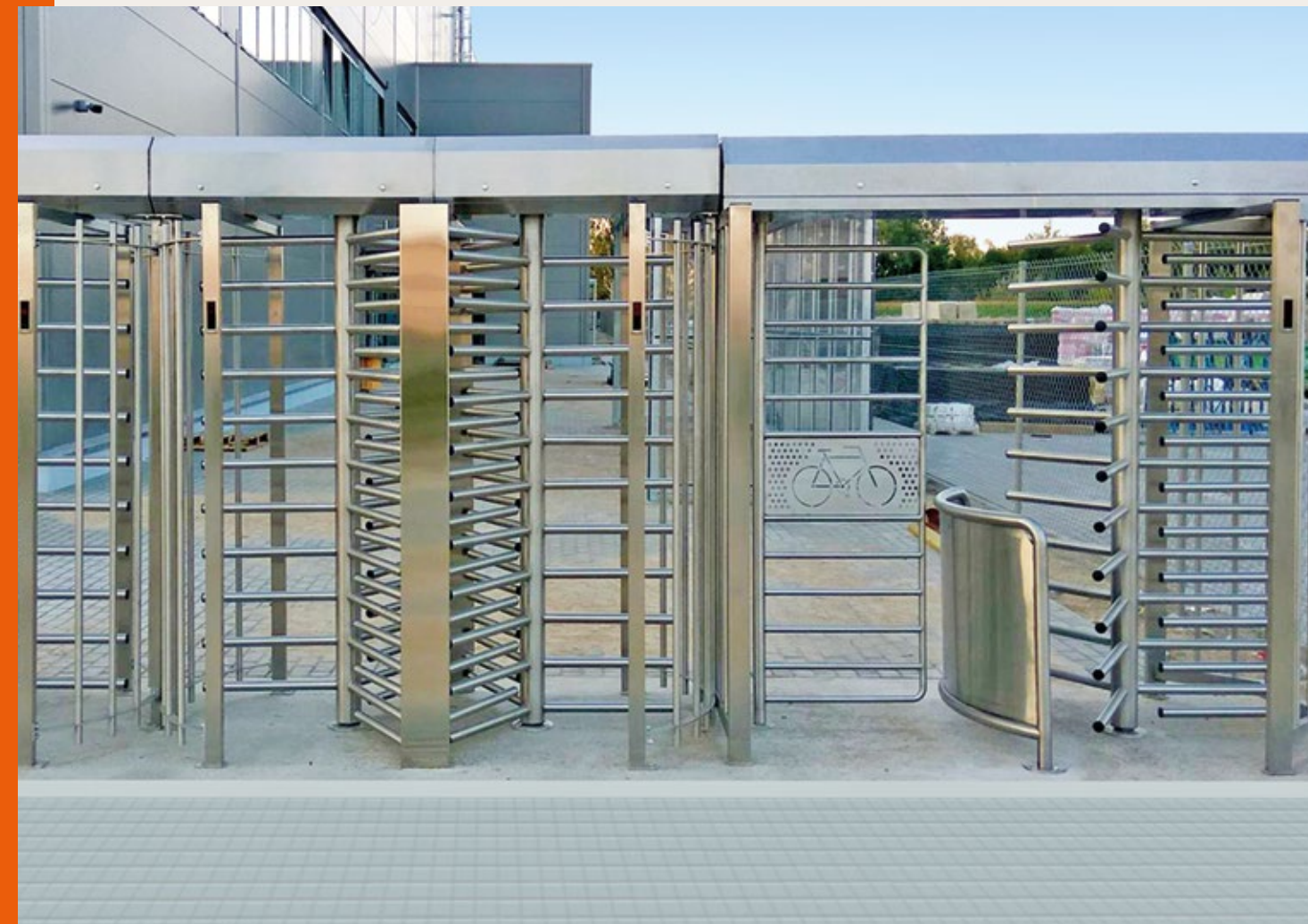




# FULL-HEIGHT TURNSTILES SERIES

A wide range of TiSO full-height turnstiles provides customers with the opportunity to choose the best option that will perfectly fit the requirements of a particular project.

✉ [sales@tiso.global](mailto:sales@tiso.global)  
🌐 [www.tiso.global](http://www.tiso.global)





# Summary table

of Sesame, Sesame-L, Sesame-S, Sesame Twin, Sesame Twin-L, Bicyclone, Bicyclone-L models

Model	Rotor		Basic Version	Rotor Mechanism EM	Rotor Mechanism Servo	Gate Mechanism	MCBF *	Security Level **	Price Level ***
	Y type	X type		Name	Name	Name			
Sesame	+	+	+	StrongLock-EM	StrongLock-Servo	-	20 000 000 (StrongLock-EM) 10 000 000 (StrongLock-Servo)		
Sesame - L	+	+	+	N/A	TriServo	-	5 000 000		
Sesame - S	+	+	+	SafeLock-EM	N/A	-	10 000 000		
Sesame TWIN	+	+	-	StrongLock-EM	StrongLock-Servo	-	20 000 000 (StrongLock-EM) 10 000 000 (StrongLock-Servo)		
Sesame TWIN - L	+	+	-	N/A	TriServo	-	5 000 000		
Bicyclone	+	-	-	StrongLock-EM	StrongLock-Servo	TriServo	5 000 000		
Bicyclone - L	+	-	-	N/A	TriServo	TriServo	5 000 000		

\* Mean Cycles Between Failures

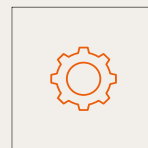
\*\* Max. -   
Min. -

\*\*\* Max. -   
Min. - Sesame Twin and Bicyclone models has two passages

## Passage Type

Model					
Sesame	+	+	+	-	-
Sesame - L	+	+	+	-	-
Sesame - S	+	+	+	-	-
Sesame TWIN	+	+	+	-	-
Sesame TWIN - L	+	+	+	-	-
Bicyclone	+	+	+	+	+
Bicyclone - L	+	+	+	+	+

\* for Y-type rotor only.

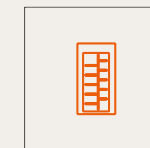


### Mechanism EM (electromechanical mechanism)

ensures the rotor rotation manually from the positioning by the closer.

### Mechanism Servo (servo-driven mechanism)

ensures fully automatic rotation by servo-driven motor from one light push (initial push for rotation).



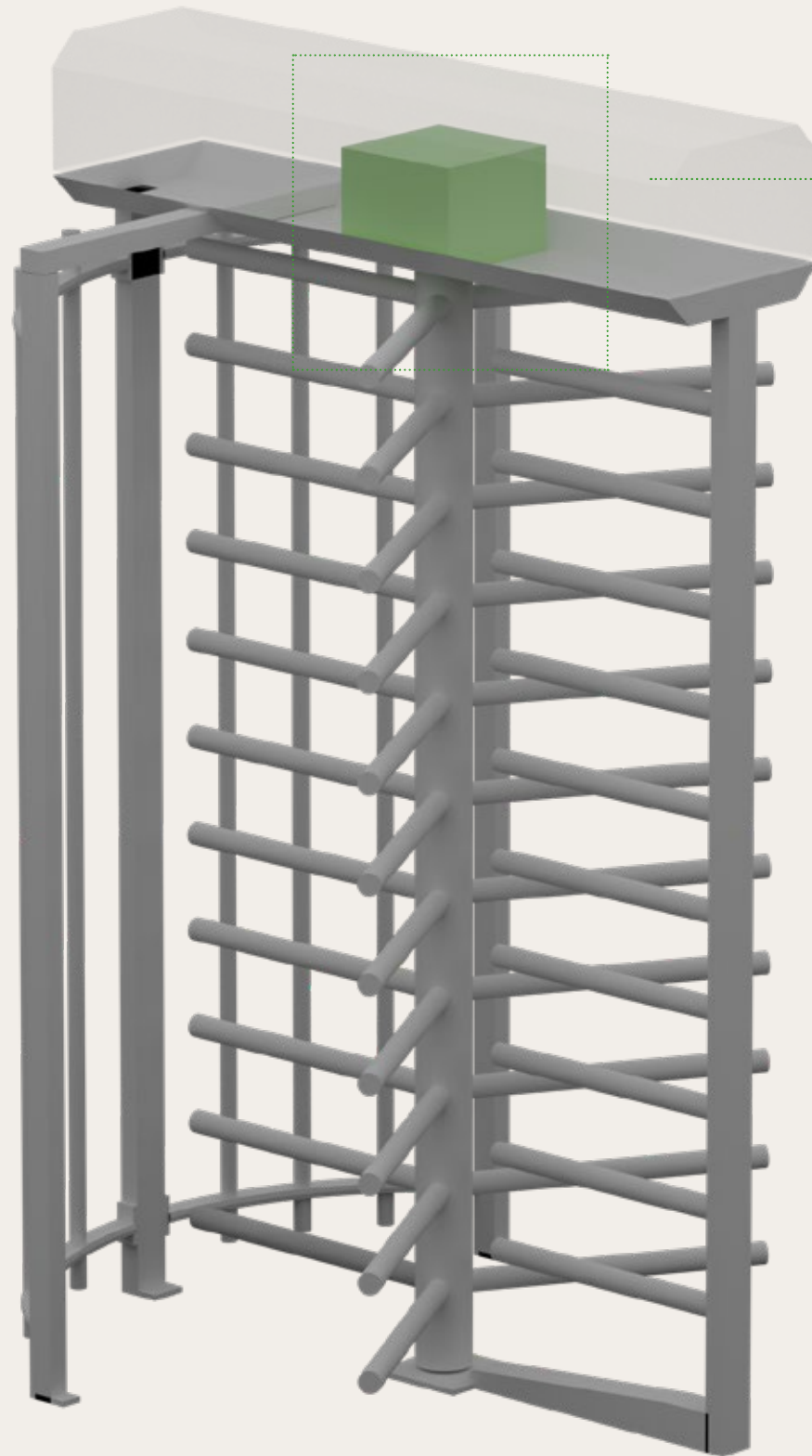
Each TiSO turnstile boasts exceptional reliability and delivers efficient access control solutions, rendering it ideally suited for deployment in environments necessitating stringent security measures and comprehensive access control.



Turnstiles are designed considering various scenarios of their operation. At TiSO, our team of engineers is dedicated to perpetually enhancing the functionality and performance of our turnstile systems through continuous innovation and refinement efforts.



# Mechanisms of full-height turnstiles



The turnstile model is shown to visualize the placement of the mechanism.

## StrongLock-EM

- premium solution for maximum perimeter protection and access control
- the rotor rotates manually from the positioning by the closer
- reliable blocking mechanism (breakthrough resistance)
- maintenance free
- heavy duty mechanism that increases reliability
- silicone damper placed in the rotor for smooth operation
- MCBF 20,000,000 cycles

**StrongLock-EM is a tried-and-tested mechanism, proven in various high-traffic locations over time.**

Users rarely report issues, and maintenance needs are minimal, even after years of use. It's a top-notch solution, standing out as the most reliable option available on the market.

## StrongLock-Servo

- incredibly smooth movement of the rotor from one light push (initial push for rotation)
- selective solution for locations that require a nearly touchless passage solution
- high level of protection
- reliable blocking mechanism (breakthrough resistance)
- servo driven mechanism
- MCBF 10,000,000 cycles

**StrongLock-Servo is a reliable mechanism that rotates the rotor with a single light push.**

Smooth, inertial movement of the rotor and at the same time extremely reliable resistance. Full-height turnstiles with this mechanism function perfectly in the most diverse locations, guaranteeing reliable protection and comfortable passage.

## TriServo

- incredibly smooth movement of the rotor from one light push (initial push for rotation)
- strong smart mechanism
- reliable blocking mechanism (breakthrough resistance)
- servo driven mechanism
- MCBF 5,000,000 cycles

**By choosing TriServo, you get the optimal combination of quality, reliability and costefficiency.**

One of its key advantages is the reliable and silent locking system. But at the same time, the turnstile rotor with the TriServo mechanism moves smoothly.

## SafeLock-EM

- a compact mechanism that simplifies transportation and reduces associated logistics costs
- the rotor rotates manually from the positioning by the closer
- standard mechanism - the best in its category
- reliable mechanism resistant to high loads
- reduced dimensions of the container, where the mechanism is located
- MCBF 10,000,000 cycles

**SafeLock-EM is a demandable mechanism with high stability and reliability. It is ahead of other manufacturers in terms of price.**

Guarantees long-term and trouble-free operation of the turnstile in high-traffic locations. Turnstiles, with this compact mechanism, are easy to transport and reduce associated logistics costs.

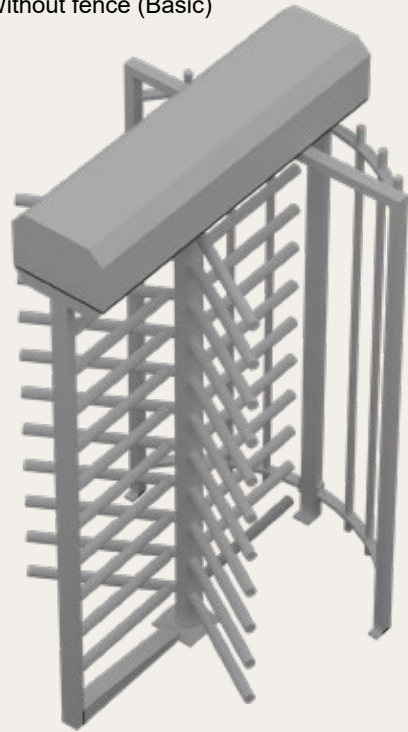


# Features of the constructions

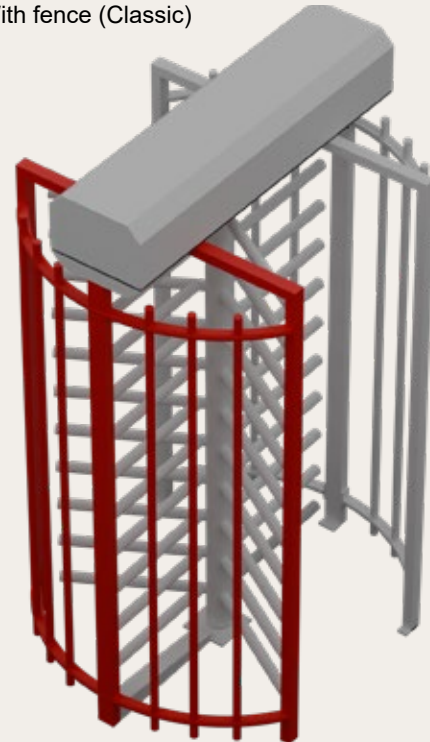
Regardless of the option TiSO turnstiles combine the highest standards of quality and functionality, ensuring the safety and convenience of users.

## ● Side fence

Without fence (Basic)



With fence (Classic)



for Sesame, Sesame-L, Sesame-S models.

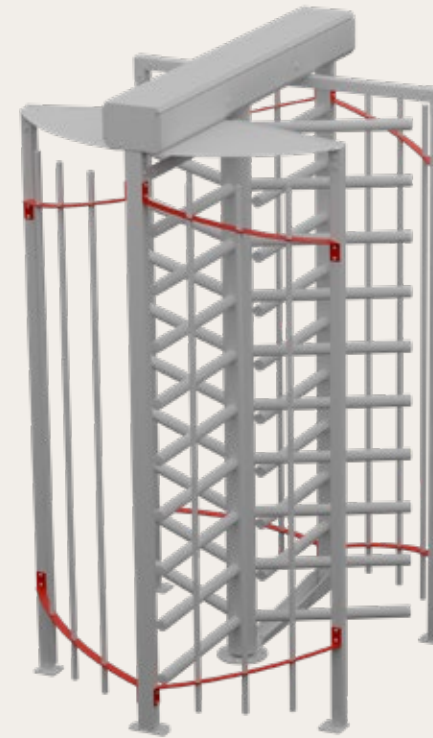
### Basic or classic

Sesame turnstiles offer two options: with and without a side fence, each of which has its own advantages.

The version with a side fence impresses with its strength and reliability. By adding guardrails, we provide additional stability to the structure, making it an ideal choice for high-traffic areas or where safety and reliability are important.

On the other hand, the option without a fence attracts attention with its simplicity and lightness. The light design makes installation and movement of Sesame turnstiles as convenient and efficient as possible.

## ● Construction

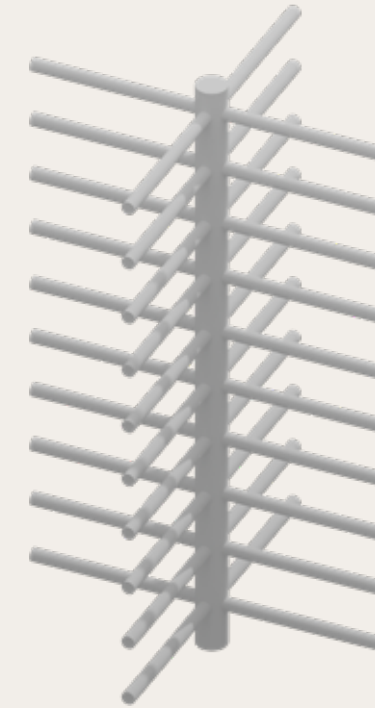


for Sesame-S model.

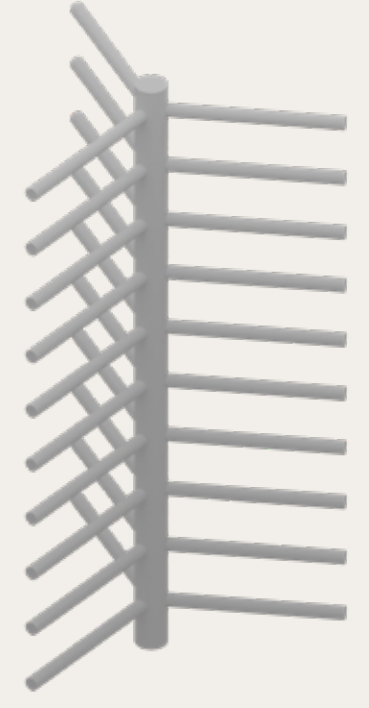
### Housing strength

Sesame-S turnstiles series are distinguished by their lightweight design, which not only provides convenience in installation and maintenance, but also has high strength and reliability. The main feature of these turnstiles is inclined membrane on the housing, which will ensure the stability of this model, despite the lightness of the design.

## ● Rotor types



### X-type (90°)



### Y-type (120°)

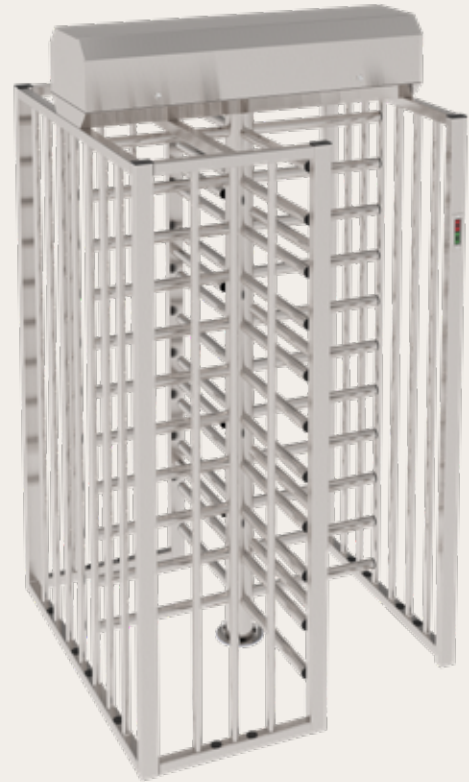
Full-height turnstiles by TiSO can have different rotor configurations, such as X-type and Y-type.

The X-type rotor consists of four arms lines which form four sections (each at 90°). This configuration optimizes the flow of people and restricts the number of individuals passing per one authorization. On the other hand, the Y-type rotor is composed of three arms lines (each at 120°), forming three sections. This type of rotor may offer more comfort to users as it provides more space within each section.

# Single pass solutions

## Sesame/Sesame-L

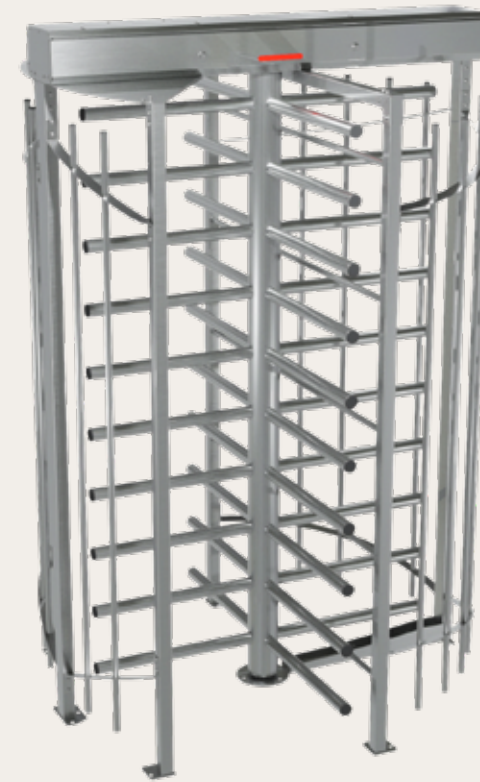
## Sesame-S



X-type  
rotor (90°)



Y-type  
rotor (120°)



X-type  
rotor (90°)



Y-type  
rotor (120°)

**Combine reliability,  
functionality  
and modern design**

Full-height single-pass turnstiles are an advanced solution for providing effective access control and security on the facilities. Their advantages become known at first glance, as far as they combine reliability, functionality and modern design.

According to your business needs full-height single-pass turnstiles will provide reliable and effective access control, and will also become a stylish element of the location.







# Multifunctional solutions

## Bicyclone / Bicyclone-L

With gate for bicycles

With gate for wheelchairs



**Ensuring equitable access to facilities across various categories is a fundamental focus of our company's mission.**

The design of the Bicyclone turnstile, notably featuring a gate alongside the rotor, facilitates seamless access for individuals using wheelchairs, bicycles, carrying bulky items, pushing strollers, and more.



The system enables concurrent passage through both the rotor and the adjacent gate. For example, while passing through the turnstile rotor, individuals have the option to accompany their passage with a bicycle through the gate.

The gate width can be 700 mm or 900 mm, providing flexibility to meet the specific project requirements.

Any access control systems upon request (e.g. passage counter, RFID/Proximity/BioMetric readers, coin acceptor, push button, barcode and QR-code reader).

## Sesame Twin / Sesame Twin-L

DUO versions for double passages and multiple lanes

Y-type rotor (120°)



X-type rotor (90°)



[Click here to find more about particular turnstile model](#)





# Application areas

-  Sport complexes
-  Seaports
-  Recreation areas
-  Governmental institutions
-  Construction sites
-  Production sites (Industrial plants)
-  Commercial areas
-  Education institutions
-  Airports
-  Military bases
-  Urban areas
-  Financial institutions







**TISO Global**

Kyiv, Ukraine  
tel.: +380 (44) 291-21-11  
e-mail: [sales@tiso.global](mailto:sales@tiso.global)  
[www.tiso.global](http://www.tiso.global)

**TISO ME**

Dubai, UAE  
Dubai South, B4 Building,  
Office 231, P.O. Box 712990,  
tel.: +971 4 548 67 77  
tel.: +971 56 799 68 08  
e-mail: [sales.me@tiso.global](mailto:sales.me@tiso.global)  
[www.tiso.global](http://www.tiso.global)

**TISO UK**

4, BYWORTH CLOSE  
Bexhill-on Sea  
East Sussex TN39 4NX  
tel.: +44 7800777636  
e-mail: [sales@tisouk.com](mailto:sales@tisouk.com)  
[www.tisouk.com](http://www.tisouk.com)

**TISO APAC**

Singapore  
78 Bedok North Road,  
Unit 14-232, 460078  
tel.: +65 62506 0515  
e-mail: [sales.apac@tiso.global](mailto:sales.apac@tiso.global)  
[www.tisoapac.com](http://www.tisoapac.com)