ABSTRACT

A barrier mechanism for providing selective access to particular areas, rooms, or substations utilizes a cover panel which is movable, in one way, and an infill panel which is movable, in another way, and which is urged into engagement with the infill panel by a remanent magnetic field.
• **Zero Maintenance**
• **Five-Year Warranty**
• **10 Million Cycles Guaranteed**
• **Site Specific Cabinets**
• **Factory Direct Delivery and Installation**
• **10,000 Cycle Factory Burn In**
• **Made in U.S.A.**

Aeroturn designs, manufactures, tests, delivers and installs the world’s only Zero-Maintenance standard and custom Turnstiles. The highest profile end-users in the world agree with our approach and keep requesting Aeroturn to upgrade their facilities.

**Government, Education, Industrial, Commercial, Private**

No sector is immune to breaches of security.

Each and every project is treated on a unique basis. Every security installation has its own set of circumstances. Aeroturn engineers work directly with system integrators to develop a plan that allows proper integration of components as well as minimal on-site disruption.

Our strength is our ability to visit lobbies and job sites in advance of project submittal stages and offer customized solutions. Aeroturn will typically offer several unique solutions in a proposal format prior to final design.

Our mission is to provide entrance security products that maximize protection against unwanted intrusions. Aeroturn is headed by licensed professional engineers who have developed hundreds of unique projects.

---

**Aeroturn has developed a variety of designs to accommodate customized applications.**

**The Aeroturn team works to improve efficiency in the continual pursuit of perfection.**

**3-D renderings preview the final installation.**

**Aeroturn's highly trained and dedicated staff ensures that all Aeroturn equipment exceeds current quality standards.**
THE TOP 10 AEROTURN ADVANTAGES

ZERO MAINTENANCE MECHANICS:
Engineered with end users in mind. All mechanisms must withstand continuous duty cycle testing of 10 million actuations without requiring maintenance or service prior to becoming a production worthy Aeroturn Turnstile.

CONTINUOUS MOTION CONTROL:
Aeroturn manufactures the smoothest, quietest safest Turnstile ever created. Still don’t believe it? - - - - - - schedule a comparison demonstration.

PRODUCT LINEUP:
Rotary - No snap back, tailbone hit, arm wobble, pushthrough or uncontrolled free wheeling.
Linear - No uncontrolled free fall or entry pushthrough. Speeds are independently adjustable.
Portal - No glass leading edge swinging at anyone . . . ever. Speed and force are independently adjustable.
X-Wing - Small footprint, flexible options, speed and force adjustable, open architecture.
Aerowing - Matches existing larger footprints, speed and force independently adjustable.
Optical - High throughput, proactive alarm flexibility. Upgradeable to barrier protection.

INDOOR-OUTDOOR MECHANICS:
All weather - heat, cold, rain, dry, dusty or gritty.

TURNKEY FACTORY SUPPORT:
Aeroturn is your Turnstile Engineering Department and offsite factory engineering and production departments that can be reached directly. Factory vehicles are fully equipped.

VALUE:
Combine 40 years of product development, engineering, unlimited manufacturing flexibility, extensive testing programs, delivery and installation support, zero maintenance and what do you get? Simply the best "Turnstile on Earth" less the dreaded extra cost.

THIS CENTURY’S PASSAGEWAYS:
Rotary eliminates knee-knocking with 22” clear passage. Portal uniquely wraps and stores up to 42” clear passage. Aerowing and X-Wing secure up to 36” clear passage. Twin linear up to 72” passageway.

LIBRARY QUIET:
All mechanisms are virtually silent and routinely installed inside libraries and quiet zones where others cannot.

SITE-SPECIFIC CABINETS:
Every project is unique! Create something challenging and spectacular! Extensive architectural and material options.

ULTRA EFFICIENCY:
Peak draw of 800ma; less than a 75 watt light bulb. Any Aeroturn Turnstile can be equipped with on-board UPS. Up to 3,000 passages per battery pack.

MODULAR CABINETS:
If damaged, only damaged component needs to be replaced; big savings. Accessible and removable customer equipment plates. All customer areas are directly accessible with Aero Key.

• 10 Million Cycles Guaranteed •
Optical Glass Portal models are the flagship product of Aeroturn. Fully patented translating hinge allows unprecedented height of moving 10mm tempered safety glass panels. 6 foot 8 inch AFF creates a secure barrier in the most demanding applications. Highest throughput due to identical motion for entry and exit. Up to 42 inch clear passageways along with proprietary emergency egress capabilities. Independently adjustable speeds and safety clutch force. Customizable tailgating alarm packages and desk control interface.

Model: 68PR-PORT-SST
Finish: #4 Brushed Stainless
Tops: LG/Hi-Macs Armadillo
Barriers: 10mm Tempered Safety Glass 6’ 8” AFF
Details: Prism-end models fit well where lobby space has modern design.

Model: 64SS-PORT-SST
Finish: #4 Brushed Stainless
Tops: Corian Pearl White
Barriers: 10mm Tempered Safety Glass 4’ 8” AFF
Details: Salt-Shaker End models are attractive and work in high-volume applications.

Model: 64SQ-PORT-SST
Finish: #4 Brushed Stainless
Tops: #4 Brushed Stainless
Barriers: 10mm Tempered Safety Glass 40” AFF
Details: Square-End models popular in Class A office buildings where they are easily configured for multi-tenant clients.
The Optical Glass X-Wing is proprietary and patent pending fixed hinge small footprint workhorse. Moving 8mm tempered safety glass panels. Most commonly used at waist-high barrier applications. High throughput applications. Up to 36 inch clear passageways along with proprietary emergency egress capabilities. Independently adjustable speeds and safety clutch force. Customizable tailgating alarm packages and desk control interface.

Model: 58PR-2PGM-SST
Finish: #4 Brushed Stainless
Tops: LG-Hi-Macs Melapi
Barriers: 8mm Tempered Safety Glass 39" AFF
Details: Prism design allows easy entrance and departure during high-volume traffic periods.

Model: 58PR-2PGM-SST
Finish: #4 Brushed Stainless
Tops: Corian Concrete
Barriers: 8mm Tempered Safety Glass 39" AFF
Details: Customizable entrance/exit signage available.

Model: 58PR-2PGM-SST
Finish: #4 Brushed Stainless
Tops: Corian Concrete
Barriers: 8mm Tempered Safety Glass 39" AFF
Details: One-Way or Bi-Directional traffic flow.
LINEAR ARM BARRIER

Both single and twin Linear models are proprietary and patent protected because of their unique execution of vertical motion actuation.

They are available in open or closed architecture. High throughput due to identical motion for entry and exit. Up to 36 inch clear passageways for a single arm or 72 inches clear passageways for twin arm models. Includes unique one-way only emergency egress feature, adjustable speeds and safety clutch force. Customizable tailgating alarm package and desk control interface included.

Model: 48SS-2L-SST
Finish: #4 Brushed Stainless
Tops: #4 Brushed Stainless
Barriers: Aircraft-grade aluminum or brushed stainless arms
Details: Salt-Shaker design. Models typically used in conjunction with rotary barriers in hybrid passageways.

Model: 60PR-1L-SST
Finish: #4 Brushed Stainless
Tops: #4 Brushed Stainless
Barriers: Aircraft-grade aluminum or brushed stainless arms
Details: Available in Prism, Salt-Shaker, Square-End configurations.

CHECKPOINT OPTICAL

No Physical Barrier Checkpoint Optical unit is designed for high-volume traffic throughput with up to 48 inch clear passageways. Custom alarm packages for tailgating and desk control interface available.
ROTARY 3-ARM BARRIER

The Three-Arm model is a proprietary and patent protected unique execution of rotating motion actuation. This model is available in open or closed architecture. It provides the highest throughput possible and automatic anti-tailgating. An industry unique 22 inch clear passageway. Continuous motion controlled and desk control interface.

Model: 32SQ-R-AP
Finish: Powder Coated Aluminum
Tops: Powder Coated Aluminum
Barriers: Aircraft-grade aluminum or brushed stainless arms
Details: A Zero Rust exterior application offers added protection

Model: 48SQ-R-SST
Finish: #4 Brushed Stainless
Tops: #4 Brushed Stainless
Barriers: Aircraft-grade aluminum or brushed stainless arms
Details: A Biometric Interface reader is shown in photo at left.

DESK CONTROLS

A single operator at a distant station can monitor any of our Turnstiles. Access criteria on any number of Turnstiles can be changed from a central location.

Model: DC-4-STD
Finish: Laser Etched Stainless Steel Front Panel
Actuations: Tactile Domed Buttons and Aero Key