

Security Entrances



A solution for every application

Boon Edam offers a range of security entrance solutions that is unmatched in the marketplace today. From simple and durable crowd control turnstiles to aesthetically appealing optical turnstiles and security doors with sophisticated detection sensors, we can solve virtually any security need.

Partner with a global market leader

A wide range of products requires commitment and unrivalled expertise, from an experienced and dedicated partner. With so many possibilities, the choice is yours.

We recognize your situation is unique and this brochure is only a beginning. We are here to help you - your satisfaction is our guarantee as the global market leader.

The global leader in Pedestrian Entrance Control Equipment.

Customer focus

We are involved in our customer's world: our solutions are the result of the joint professionalism of Boon Edam and our dedicated distributors and customers. To deliver the desired outcome, Boon Edam works collaboratively from start to finish in order to provide the best solution for each customer's specific needs.

Core business

Boon Edam supplied its first revolving door over 100 years ago. In April of 2005, the company acquired Tomsed Corporation, the largest turnstile manufacturer in the United States. Today, Boon Edam Inc.'s core business focuses on Security Access, Door Systems and Technical Service and Training. With our expanded and comprehensive product lineup, we can offer a reliable solution for virtually any type of entrance control application.



Today's challenge

Today's world demands accessibility and security at the same time. From corporate offices and government buildings to campuses, factories and public venues, controlling access in these locations requires a tailored solution that eliminates tailgating and piggybacking while maintaining optimal throughput.

Our mission

Boon Edam strives to solve all of these challenges through security access solutions that are proven safe, durable, and easy to install and operate. We understand that each product we build has many customers, from the installer to the pedestrian, and we are committed to supporting all of our customers for many years to come.



Security access

Boon Edam's security access solutions allow you to effectively monitor and control the flow of pedestrians into and around your premises. All products can interface with any access control system throughout the world. We work closely with security system providers to ensure seamless integration and trouble-free operation.

Many of our products are designed to work with other products at the same location to address separate needs, such as handicapped access. In all cases, you will find attention to detail, durable construction, and a commitment to safety and ease of operation.

'Fully compatible with any access control solution.'



Security revolving doors



Security portals



Optical turnstiles



Full height turnstiles



Waist high turnstiles



Access gates & barriers



Security revolving doors

Security revolving doors

Security revolving doors eliminate tailgating and piggybacking while maintaining a high throughput. They include sophisticated sensor systems to ensure single person entry per authorization, eliminating the need for manned security at access points.

Our Tourlock security revolving doors integrate with any access control system and provide fast, reliable security at your entrance. Overhead infrared sensors make contact floor mats unnecessary, enabling installation on a finished floor for quick and easy renovation projects.

Available in a wide variety of finishes to match its surroundings, the Tourlock can be found at entrances to corporate headquarters, government buildings and data centers.

Tourlock 180+90

The **Tourlock 180+90** is a four-wing, fully automatic revolving door offering the advantage of simultaneous bi-directional authorized traffic for high traffic applications.

- Simultaneous, bi-directional traffic
- 4-wing automatic operation
- 24 people per minute, per direction
- Prevents tailgating/unauthorized entry
- Optional StereoVision prevents piggybacking
- Compatible with all access control systems
- Fail-safe operation for emergency egress
- Installs on finished floor (no recess required)



Tourlock 120

The **Tourlock 120** is an attractively priced, three-wing security revolving door that accommodates single direction traffic flows and increased comfort due to larger compartments.

Tourlock 120 revolving security doors provide a high level of security while supporting an impressive throughput. Low maintenance, high security and cost effectiveness make this automatic revolving door ideal for many applications.

Available models:

- 120A - Automatic bi-directional operation
- 120M - Manual bi-directional operation
- 120TS- Automatic, one-way only (airport terminal exit)

Features:

- 15-20 people per minute, both directions*
- Prevents tailgating/unauthorized entry
- Compatible with all access control systems
- Fail-safe operation for emergency egress
- Installs on finished floor (no recess required)

* 120TS capacity is 20 people per minute, one-way only



‘Reliable security paired with excellent throughput.’

StereoVision anti-piggybacking

StereoVision is a highly sophisticated, anti-piggybacking detection system exclusively developed for Boon Edam's Tourlock and Circlelock security doors that uses two cameras to recognize shapes, size and volume in three dimensions. By analyzing these data points, the system determines the number of people attempting to enter on one authorization and stops the door when a violation occurs.

The StereoVision sensor system detects tailgating and piggybacking in a segment, in one or two directions. Sophisticated 3D vision technology ensures an extremely high level of security is achieved without the need for floor excavation.





Security portals

Security portals

Security portals directly control pedestrian passage into sensitive areas with low throughput requirements. They feature interlocking doors that allow only one user to enter at a time and can support a second level of access control verification inside the portal to allow entry into the secured area.

Our full line of security portals can be found in banks, data centers, government buildings and entrances where only authorized persons are allowed.

Every situation has specific requirements and we offer numerous possibilities for increasing the security level, such as pressure sensitive mats, Stereovision anti-piggybacking technology, and bullet resistant glass.

‘For sensitive areas with low throughput requirements’

Circlelock

The **Circlelock** offers a high level of security balanced with ease and speed of operation. Designed to integrate with all types of authorization and verifications systems, the Circlelock is available in two sizes to accommodate various traffic requirements.

Two curved sliding doors

The Circlelock consists of two sliding doors, which will open one after the other, creating an interlocking security portal. The Circlelock is a bi-directional security door allowing entry and exit in turn.

Security systems

The following security systems are available with the Circlelock to verify the authorized user is alone in the door:

- StereoVison
- Weight system

These security systems are linked to a built-in control unit, which determines whether the second door will open or not. The Circlelock will generate an audible and visible alarm in all possible alarm situations, including any attempts to sabotage the door. The doors can be locked to close the entrance completely, whenever required.



TAP security portals

Boon Edam's line of **TAP Security Portals** offers a wide range of solutions to accommodate the needs of any sensitive application, whether it be new construction or existing buildings. A Boon Edam representative can discuss with you the options (below) and models that are ideal for your situation.

Security options

- Vandal and bullet-resistant glass to BR3
- Metal detection
- Built-in call button and intercom
- Remote control panel
- 2-hour battery backup system
- Mechanical release lever
- Two-zone presence mat
- Interior access control housing
- Floor installation kits for existing buildings
- Handicapped access
- Ultrasonic security sensor



TAP-100/150

TAP-100EE with swing door



TAP-50 half portal



TAP-200 ♿



TAP-250 ♿



Optical turnstiles

Optical turnstiles combine security access with rapid throughput and are especially effective in areas where large numbers of people need to be monitored. With anti-tailgating sensor technology ranging from simple to sophisticated, they provide discreet control of the flow of visitors or employees when linked with access control systems.

Boon Edam offers a wide range of optical turnstiles to suit many security and throughput requirements, such as waist high and full height barriers, sophisticated sensor arrays to accurately detect tailgating and a variety of barrier styles.

Applications for optical turnstiles include lobbies and more secure areas within corporate, governmental and financial offices, museums, and airport or seaport passenger terminals.

Speedlane 2048

The **Speedlane 2048** is a sleek, barrier free optical turnstile ideal for supervised, upscale lobbies. Featuring 12 sensors in a matrix formation and bi-directional access control, this optical turnstile combines high throughput with accurate tailgating detection and negligible false alarms.

Features

- Small cabinet footprint
- LCD user interface in cabinet top
- ADA width lanes available
- Optional external control panel



LCD user interface available on 2048 and all Speedlane 996 models



Speedlane 300

The **Speedlane 300** is a compact, barrier optical turnstile that offers efficient traffic flow in two directions. Its stylish, illuminated angel wing barriers change colors to indicate the status of the lane to the user. With its compact footprint and sleek all-stainless finish, the Speedlane 300 is a practical barrier solution to suit any budget.

Available options

- Red/green indicator lights in the top of the unit indicating authorization feedback
- Adaptations for integration of proximity or other card reader
- External control panel

Speedlane 900

The **Speedlane 900** is a versatile optical turnstile that offers elegant curved cabinets in a variety of finishes to suit any decor. The sliding glass panels are available in several heights and retract quickly and easily into the cabinet to allow authorized users to pass. Features high capacity throughput of 25-30 users per minute.

Available options

- ADA width lanes
- Cabinet extensions for additional tailgating detection
- Full height glass for added security



Swinglane 900

The **Swinglane 900** uses bi-directional, swinging glass panels and a long detection path to prevent tailgating. Featuring a visually open glass and stainless steel design, the Swinglane creates a visually attractive but secure entrance for almost any reception environment.

Available options

- ADA width lanes
- Single or double panels



Speedlane 996

The **Speedlane 996** offers the most advanced tailgating sensor technology available: a high-density beam detection matrix that allows up to 30 users per minute with up to 1/4" tailgating detection. ADA lane width is available on all models.

Versatile cabinets and barriers

The Speedlane 996 is available with several cabinet styles and barriers:

- Narrow, 9-inch wide cabinet with drop arm barriers
- Elliptical cabinet with waist high or full height sliding glass panels
- Straightline cabinet with sliding waist high panels or retracting angel wing panels

All models include interactive LCD user interface (see photo shown with Speedlane 2048).





Full height turnstiles

Full height turnstiles

Boon Edam offers a variety of full height turnstile models, suitable for both indoor and outdoor use in unsupervised areas. Designed to integrate with any access control system, these products are ideal for corporate car parks, transit stations, amusement and leisure parks, playgrounds and stadiums.

‘Reliable security for outdoor or indoor unsupervised areas’

THT-100

The **THT-100** is a mechanically or electrically operated turnstile that can control traffic in one or two directions. Single and space-saving tandem (double passage) models are available and an optional side gate can be used to provide access for wheelchairs, bicycles or dollies.

Available options

- 3-wing or 4-wing configuration
- Tandem unit (double passage)
- Choice of finishes: galvanized steel, powder coat, stainless steel with aluminum arms, all stainless steel
- Mantrap (two-step authorization)



THT-100 with THG-51E access gate (left)



Tandem turnstiles

Boon Edam's tandem turnstiles combine the function and throughput benefits of two single turnstiles into one space-saving unit. The diameter is only 8 feet, vs. the 10 feet of two single turnstiles. A seven foot version is also available for smaller openings.

Full height models with tandem configuration:

- THT-100, all finishes
- THT-100ASTG
- THT-100EL



THT-100T

Transparent turnstiles

Boon Edam's transparent turnstiles combine impenetrability with aesthetic appeal.

The **THT-100EL** features clear arms and a curved polycarbonate shield assembly that provides the finished look of a revolving door.

Available options

- 3-wing or 4-wing configuration
- Tandem unit (double passage)

The **THT-100CSTG** features three, large clear panels for each rotor section, instead of multiple individual arms, providing a unique, streamlined appearance.



THT-100CSTG



THT-100EL with THG-51EL access gate on the right



THT-100ASTG

THT-100ASTG

The **THT-100ASTG** is a highly attractive, versatile turnstile designed for many years of reliable service. Fabricated from heavy gauge anodized aluminum, it features extruded arms and clear panel shields.

Available options

- Tandem unit (double passage)
- Single or dual shield
- Metal detection with dual shield
- Several color schemes available



Waist high turnstiles

Waist high turnstiles

With simple and robust mechanisms and a wide range of operating parameters, Boon Edam's complete line of waist high turnstiles effectively separate non-secured and secured areas. A choice of operating modes in each direction provides scope for single or two-direction control and a range of models is available to suit virtually any requirement.

All turnstile models are highly reliable, space efficient security barriers, yet offer capacity to integrate with an access control system, display, counter or token operation. The cabinets are simple to install, either directly onto the finished floor, mounted on walls or even on temporary portable floors.

Our waist high turnstiles can be found in applications such as stadiums and arenas, recreation and amusements parks, and retail and office reception areas.

Architectural turnstiles

TST-75

The **TST-75** is designed for abusive, high volume control applications where an aesthetic barrier is preferred. A wide variety of architectural finishes are available to suit any facade. The TST-75 has electrical operation to enable bi-directional traffic control.

Available options

- Round nose cabinet
- Extended arms
- Cabinet available in stainless steel, brass or bronze
- Drop arm for emergency egress



TST-75ERN (round nose) with matching THG-42 handicapped gate

Transpalock 900

Our **Transpalock 900** three-wing glass turnstile is an attractive security product that controls passage without creating an obtrusive barrier. With tempered glass and stainless steel construction, this product blends in beautifully with many surroundings.

- Bi-directional traffic, one direction at a time
- Fully automatic, or "push and go" operation
- Available enclosures are tubular stainless steel frame or curved toughened glass
- Integrates with any access control system



Crowd control turnstiles

Boon Edam's selection of crowd control turnstiles are well suited for public areas and abusive conditions. Their sturdy construction and numerous options enable easy customization to suit the specific needs of any venue.

TUT-50

The **TUT-50** is a compact, basic unit, mechanically or electrically operated with an optional mechanical counter. The compact mechanism housing can be wall or pedestal mounted. Options are mechanical with counter, electrical, and electrical with coin/token collection.

TUT-60

The **TUT-60** is an attractively finished, mid-sized barrier, suited for high volume, abusive conditions. The compact cabinet makes it easy to construct a multi-lane setup. Available in mechanical, electrical, and token/coin collection models. Portability package optional.



TUT-50 w/optional railing



TUT-50



TUT-60



Access gates & barriers

Usually used in conjunction with Boon Edam waist high and full height turnstile products, access gates and barriers are designed to complete security barrier installations by providing access to handicapped pedestrians or carts and dollies.

Our access gates are available in manual and automatic versions and are ideal for use where controlled bypass of waist high turnstiles or optical turnstiles is required.

‘Designed to complete security barrier installations.’

Winglock

The sleek glass design and architectural styling of the **Winglock 900** is a perfect complement to Boon Edam's barrier optical turnstiles. The Winglock creates an effective but unobtrusive barrier and is also ideal as a preliminary barrier for the screening process.

- Compatible with any access control system
- Bi-directional, one user at a time
- Software programmable via PDA unit
- Access can be granted via optional external control panel



THG-42

The **THG-42** is a cost-effective, manually operated gate equipped with an electric lock. Constructed from stainless steel framed polycarbonate and mounted on a floor closer to ensure self-centering, bi-directional operation, the THG 42 is a simple, robust product for use in most environments and is an excellent complement to our waist high turnstiles.

- One-way 90° swing
- Compatible with any access control system
- Available in anodized aluminum, powder coated steel, bronze, brass or mirror finished steel

Twinglock

The **Twinglock** is similar to the Winglock, however, it features two glass panels instead of one. The smaller panels open and close quickly to offer higher security and more efficient traffic flow. Several sensors are integrated into the stainless steel frame to detect whether users are passing or standing still.

- Compatible with any access control system
- Bi-directional, one user at a time
- Software programmable via PDA unit
- Access can be granted via optional external control panel



THG-51EL

The **THG-51EL** provides an ADA-compliant, transparent accessway that perfectly complements the THT-100EL full-height turnstile. Constructed from 2" square anodized aluminum tubing and a clear, 3/8" Lexan panel, all materials meet ASTM standards. The gate is locked by a 24VDC doorstrike or optional magnetic lock. A hydraulic overhead closer returns the gate swing panel to the locked position after use. A stainless steel piano hinge ensures free and easy movement of the gate section.

- Compatible with any access control system
- Bi-directional, one user at a time

THG-51E

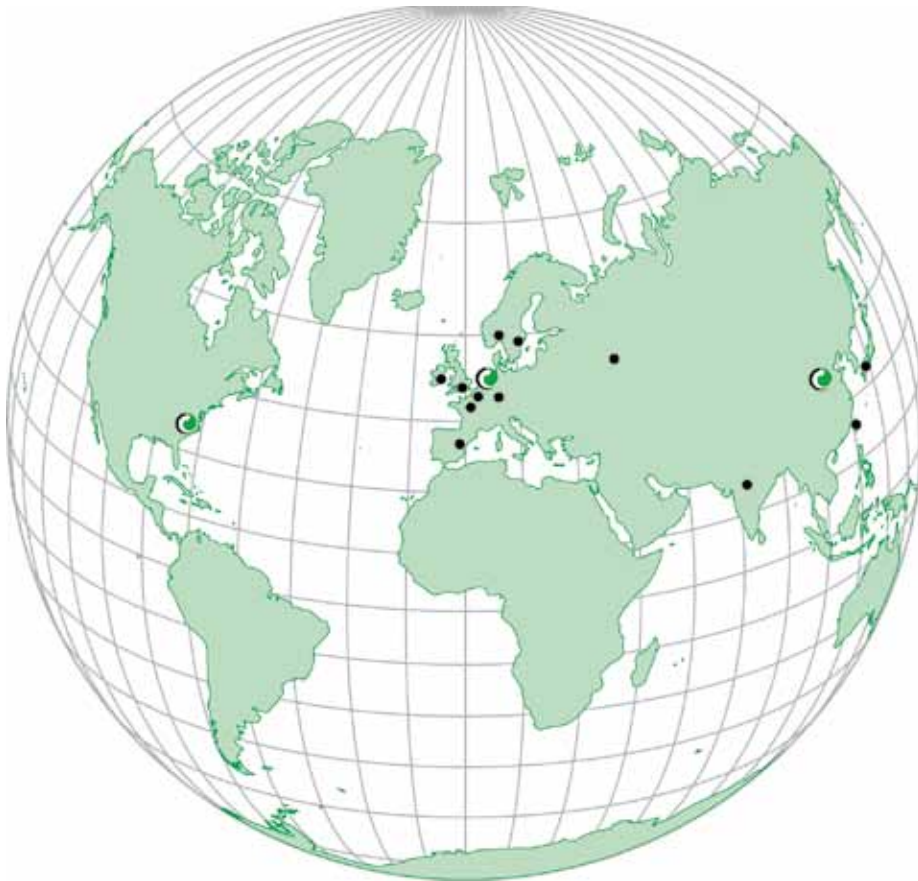
The **THG-51E** provides handicap access into installations using full height security turnstiles and access control. Gate height of 86" matches turnstiles, and a clear opening of 34" exceeds minimum ADA requirements. Gate swing is 90° on a continuous stainless steel hinge. Final width and height can be customized for individual applications.

- Compatible with any access control system
- Bi-directional, one user at a time



Boon Edam worldwide

Boon Edam employs over 800 people worldwide and has built an extensive international network of subsidiaries and distributors. We have manufacturing companies in the USA, The Netherlands and China. You will find Boon Edam sales and service companies in over 15 countries and authorized distributors in over 50 other countries.



Principle Subsidiaries

Boon Edam, Inc.
United States of America

Boon Edam België BVBA
Belgium

**Beijing Boon Edam Entrance
Technology Co. Ltd.**
China

Boon Edam France S.A.S.
France

Boon Edam GmbH
Germany

**Boon Edam Entrance
Technology Pvt. Ltd.**
India

Boon Edam Ireland Ltd.
Ireland

Boon Edam Japan Ltd.
Japan

Boon Edam B.V.
The Netherlands

Boon Edam Nederland B.V.
The Netherlands

Boon Edam Skauan A.S.
Norway

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