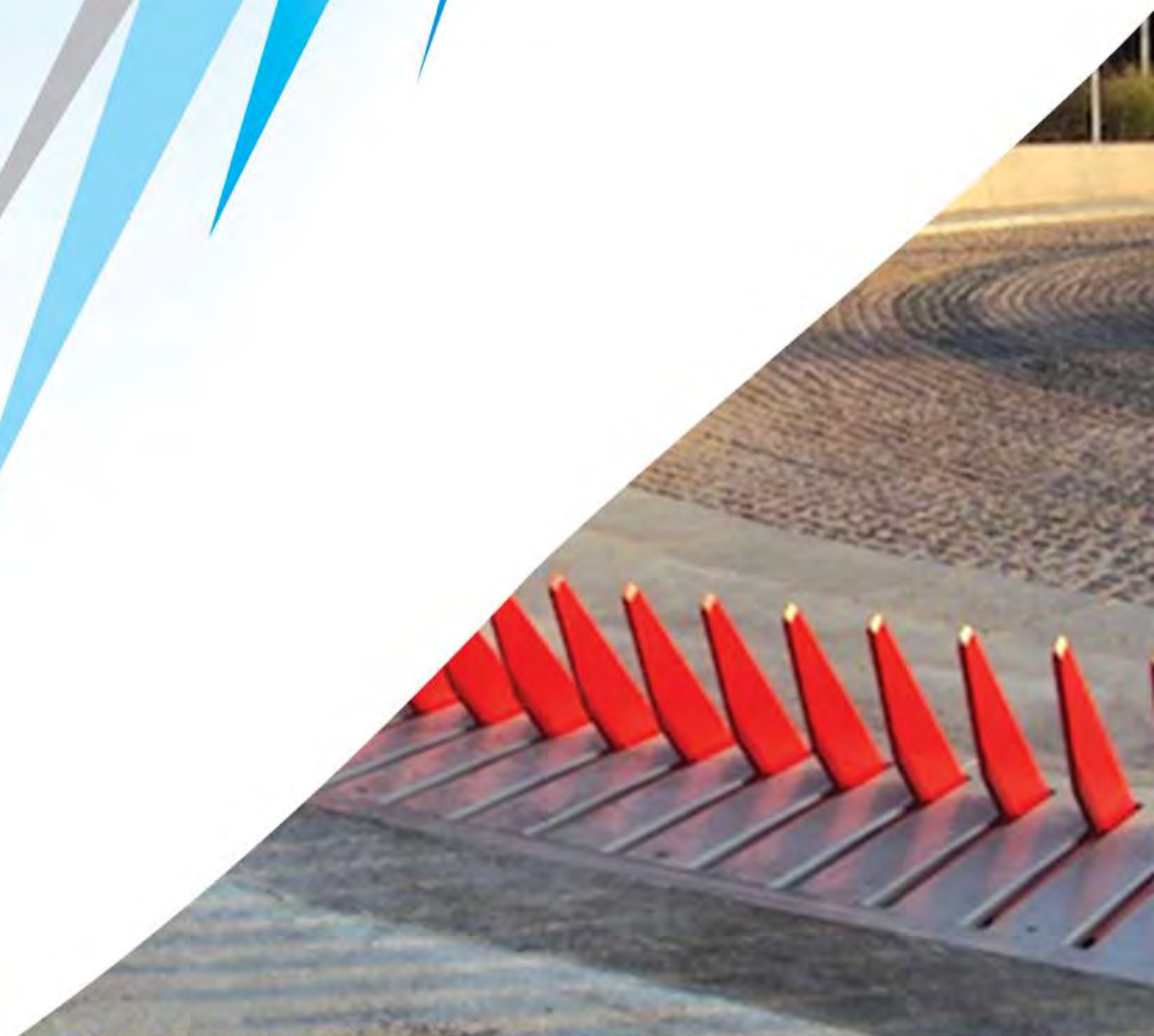




ISO 9001:2008, CE Certified
Better Security
Better Manpower Utilization

Manufacturers & Distributors since 1993

HOM Automation Pvt. Ltd.
Pioneer in Gates and Entrance Security Automation





Company Profile

HOM Automation Pvt. Ltd. is a pioneer company in the field of Entrance Automation in India. It has been involved in manufacturing and marketing range of automatic entrance control systems since 1993. HOM prides itself in offering world-class products at unmatched prices with professional after sale services. Our clientele comprises of well-known companies in Security industry, system integrators and prestigious end-users from MNC's, to government and semi- government organizations.

HOM Automatic Barriers, Gates, Doors Systems, Turnstiles, Roadblocks etc. have been professionally designed and are manufactured under strict supervision as well as quality control to give them an edge in the global competition. Entire range of systems incorporates standard International features and combinability with variety of activating devices. Manufacturing facility employs high-tech machines such as CNC Turret Punch, CNC bending

machine, Metal Inert Gas Welding and heavy hydraulic presses. Further, as a certified ISO 9001:2008 company, HOM Automation assures that quality systems are implemented in all stages of product development, production, shipping and support operations.

HOM Automatic Gate Access Systems when installed, not only provide efficient and reliable control of vehicular and individual access to the premises for years but also add up to the aesthetics of the surroundings. Options ranging from Semi-automatic to fully automatic and computerized functionality of our systems offer better security and better manpower utilization. In addition, our commitment to quality coupled with years of field experience and know-how acquired through R&D puts HOM in a unique position to offer customized solutions and client specific systems to enhance entrance security to higher level.



HOM range of entrance automation products have been designed for heavy duty operations, and are manufactured in several variants to meet domestic as well as industrial requirements. These systems are fully compatible with all types of access control systems.

****The life of Hom Automation products is 15 years from the date of installation & Hom ensures the availability of spare parts, at actuals for the entire range of its products for a duration of 15 years from the date of production. Hom is proactive in covering & maintaining its products under the AMC after the completion of warranty period for the ease & convenience of the client.****



Product categories

1. Boom Barriers

- 1.1. Toll Plaza Barrier
- 1.2. Mild Steel Boom Barrier
- 1.3. Aluminum Boom Barrier
- 1.4. Swan-neck Barrier
- 1.5. Crash Resistant Barrier
- 1.6. Crash Resistant Blocking Barrier
- 1.7. Railway Barrier

2. Flap Barriers

- 2.1. Retractable Flap Barrier
- 2.2. P-Type Barrier

3. Turnstile Systems

- 3.1. Waist Height Tripod Turnstiles
- 3.2. Full Height Turnstiles

4. Road Blocks

- 4.1. Spike Tyre Killers
- 4.2. Axle Type Road Blocker
- 4.3. Sheet Road Blocker
- 4.4. Bollards

5. Entrance Gates

- 5.1. Automated Swing Gates
- 5.2. Automated Sliding Gates
- 5.3. Automated Cantilever Sliding Gate
- 5.4. Automated Retractable Gate

6. Automatic Glass Doors



Boom Barriers

Toll Plaza Barrier

Building on its experience in the field of raising barriers, HOM Automation offers fast speed barrier to handle high traffic volumes. When integrated with computer software and ticket collection systems etc. The electromechanical barrier provides an ideal solution for toll plazas by enabling stop-free movement and the smooth flow for all the authorized vehicles.

The anodized Aluminum boom comes in three different profiles- **round, octagonal and**



rectangular shape.

- ◆ Its length **ranges from 4 feet to 12 feet.**
- ◆ Its **fast, quiet and safe operation** makes it suitable for wider applications.
- ◆ It does **not require** frequent periodic maintenance.

Mild Steel Boom Barrier

The HOM Electromechanical MS Boom Barrier is an ultimate solution for controlling industrial passage areas, loading bays, cargo terminals, weigh bridges, motorways and all other applications where secure automation is necessary for restricting & controlling the movement of large vehicles.



The structure and dimensions of this robust barrier enables it to resist violent impacts. The sturdy boom is made of MS Iron, having rectangular, round and square profiles. The boom length **varies from 4 feet to 30 feet.**

Aluminum Boom Barrier

The HOM Automatic barriers are universal barriers which can be driven using electro-mechanical, electro-hydraulic or electro-pneumatic drive mechanism. They can be used for a wide range of applications viz. traffic management, parking lots, industrial sites or to limit the trespassing.

HOM automatic parking barriers are engineered to manage vehicle access in all types of residential as well as commercial premises. A combination of accessories are offered, which makes HOM barriers meet various installation constraints. HOM barriers are compatible with all types of access control systems and can be operated using push button, key



switch remote control, magnetic card reader using proximity cards, anti crash sensor, loop detector, Bio-metric etc.

HOM series of boom barriers are available for the openings of various dimensions spanning from **4 feet to 30 feet** which can be tailored according to client's specifications.

Swan-neck Barrier



HOM Swan neck electromechanical barriers are usually required where the height of the ceiling is a constraint as in basement parking. The articulation provision enables the aluminum boom to get folded at a desired height, ensuring that the barrier arm can operate **smoothly, safely and efficiently** upon activation. It provides the best solution with consistent operation in the most demanding underground parking or multi level parking locations. The boom size can be customised as per the site's requirement.

Crash Resistant Barrier

The HOM Crash Resistant ladder type barrier is especially designed for locations prone to vandalism or fraud. The integrated locking system limits the passage of any unauthorized vehicle. The reinforced boom with sturdy structure prevents any forceful entry. These barriers are ideally suited for Hotels, Defense/Military Installations, Power Plants, Nuclear facilities, Embassies, Air Ports, Oil & Gas Refineries and others security sensitive sites. It is a



very robust barrier, constructed from

mild steel section with an enhanced aesthetical finish. In routine, these barriers have an electro-mechanical drive unit, however they can also be manufactured with an electro - hydraulic or



Crash Resistant Blocking Barrier

The HOM Crash Resistant Blocking Barrier fulfils the requirements of the highest security level. It is a below-ground assembly containing heavy steel cylindrical arrangements on both ends which are capable of raising and lowering the bar. Upon impact, force shall initially be

absorbed by the steel structure arrangement and then it will be transferred to the foundation of the unit. Electro-Hydraulically or electro pneumatically operated Crash Resistant Barriers are largely used for stopping and limiting vehicular traffic and making the premises safe in order to brace the

campus from any forceful intrusion. It is an exceptional solution for DRDO's, oil refineries, nuclear power plants, embassies

etc. where security is a foremost point of concern.



Railway Barrier

HOM Automatic Railway crossing barriers are precisely designed for restricting the railway crossing intersections. These heavy duty barriers are manufactured for high frequency usage, keeping in mind the nature of operations of the Indian railways. These electromechanical barriers are of robust nature to sustain and work efficiently in harsh weather conditions requiring minimal maintenance.



Railway Barrier range starts from 4 ft to 30 ft which can be customized accordingly. HOM Automation Railway crossing barriers come with an optional gadget which acts as a power house for these barriers at places where electrical power supply is disrupted frequently. This device is called 'Hand Generator'. The manual device may be effortlessly rotated by the operator, upon which enough power is produced to operate the barrier as and when required. The cost effective, energy-efficient and user friendly features of HOM Automatic Railway Crossing Barriers make them the first choice of the security industry.

Flap Barriers

Retractable Flap Barrier

HOM Automatic Retractable Flap Barriers have been designed to provide quick and controlled access to restricted areas. These can be integrated either with card access systems or ticketing system to ensure quick and automatic clearance while keeping accurate entrance records.

The flap barriers comprise of motorized mechanism having maintenance free electromechanical drive unit which operates in a silent manner. The Microprocessor based Control Panel provides precise movement and positioning of flaps. It prevents tailgating by providing access to authorized persons



only; light indicator shows 'X' sign with a beep siren if the card or fingers print is not accepted. Further, the **presence sensing optical beam sensors** inhibit the closing of the flaps while the person is in the area of the barrier panels. Available in two outer finishes, viz. **galvanized & painted MS body and stainless steel (SS) Body**. Retractable Flap barriers are available in single lane as well as multiple lane configurations depending on the site requirements. **Two housings (end column)** with retractable flap makes one lane of access. One housing (inter lane) with two flaps back to back is used in between the end columns to increase the number of lanes.

HOM provides Telescopic flap barrier for unraveling problems like quick access for staff & visitors, while

protecting assets, information & personnel from the danger of unauthorized entry, in an aesthetic environment. HOM's Telescopic flap barrier with **passage width 900 mm** is a dissuasive access control in one or both directions, suitable where trolleys and large size packages have to make entry.



The main market segments concerned are **-Banks, insurance companies, Governmental and institutional establishments, Office**

buildings, administrative sites, Schools, universities and colleges, pharmaceutical sector, computer centers, Airports etc.

P-Type Barrier

HOM P- Type swing gate is specially designed for the disabled, large package entry, individuals with carts, trolley entry etc. It is fully motorized bi-directional gate having smooth & silent drive mechanism along with safety features that ensures

high comfort to the user. The audio and visual signals indicate unauthorized usage. It has **high throughput rate and delivers high pedestrian safety.**



Turnstile Systems



Waist Height Tripod Turnstiles

The HOM Tripod Turnstile is a compact, cost-effective entrance solution with low power consumption and high reliability. The Tripod Turnstile is suitable in areas where there is a large and constant flow of people like-Defense, Nuclear Power plants, Oil refineries, amusement park, etc. Hom range of turnstiles can be easily operated with user friendly features. Inbuilt indication lights display the authorization status which confirms the passage to the authorised personnel to pass through the turnstile without any hindrance and a high efficiency rate is achieved.

Dual Lane Waist Height Tripod Turnstile- as the name suggests, is a product that saves space and adds to the ambiance of the location.



Waist Height electro-mechanical Tripod Turnstiles

These turnstiles are electromechanically driven, but doesn't require much physical effort.

Motorized Waist Height Tripod Turnstiles- The drive mechanism is motorized; they are quick, automated and easy to use. Drop arm Motorised turnstile is provided with drop arms or anti-panic arms which collapse in case of emergency providing an escape route to the personnel without any hindrance & mishaps. These tripod bars get reset automatically to the normal armed position as soon as the situation is under control. This solution is applicable at places like schools, universities, office buildings, sports, leisure and cultural centers, ports and harbor installations.

The variants of HOM Waist Height Tripod Turnstile are as under:

The Electro-mechanical turnstiles, Motorized Turnstiles and Motorized Drop Arm Turnstiles are available in various configurations which can control the passage in the following directions:

- ◆ **Unidirectional:** Upon activation allows passage only in one direction, permanently locked in the opposite direction.
- ◆ **Free direction:** Upon activation can rotate in either direction.

◆ **Bidirectional:** Upon activation it rotates in the required direction, gets locked in the other direction.

HOM tripod turnstiles comes in-

◆ **MS caseworks** (painted finish)- MS body(Galvanised), SS hub, SS arms

◆ **SS caseworks**(with brush polish finish)- SS body with brush polish, SS hub & SS arms.

Full Height Turnstiles

Robust turnstiles from the HOM range of products are ideal for securing outdoor areas of the secured premises, especially in unguarded locations. Full height turnstiles are one of the best solutions to prevent tail-gating and they depict a comprehensive visual deterrent image compared to that of half height turnstiles. Tamper-resistant and weatherproof, full height turnstiles offer unrivalled reliability and have been proven to withstand even the most unforgiving environments.

HOM's Full-height turnstile systems are available in different types of drive mechanisms, viz, electro-mechanical drive mechanism and Motorized drive mechanism. Ensures controlled passage of individuals from one side to the other in the permitted direction.



◆ **Unidirectional:** Upon activation allows passage only in one direction, permanently locked in the opposite direction.

◆ **Free direction:** Upon activation can rotate in either direction.

◆ **Bidirectional:** Upon activation it rotates in the required direction, gets locked in the other direction.

HOM full height turnstiles are available in

◆ **MS caseworks-** MS body, SS arms

◆ **SS caseworks-** SS body with brush polish & SS arms.

Dual lane or Multi-lane Full height

Turnstiles: HOM range of turnstiles can also be installed in a Dual lane or multi lane arrangement saving space and cost. These turnstiles can be installed at locations where the work environment is of 24x7 in nature. Further, these turnstiles can be integrated with access control systems like biometric and smart card, time and attendance control as well as visitor monitoring system software.

Road Blocks

Spike Road Blocks

HOM Automatic Road Blocks provide reliable access traffic control by electro-mechanically moving the spikes up, to an active or secured position, and then down to allow unrestricted passage to authorized vehicles. Road blocks are generally installed at places like hotels, sensitive check points, bank headquarters, defense bases, oil & power sector plants, industrial entry & exit points etc.

For added safety and security Spike Road Block **can be interlocked** with HOM Automatic Boom Barrier to work in unison with single activation device and control panel. This enables the spikes to



go down automatically when the barrier is open and come up when the barrier is closed.

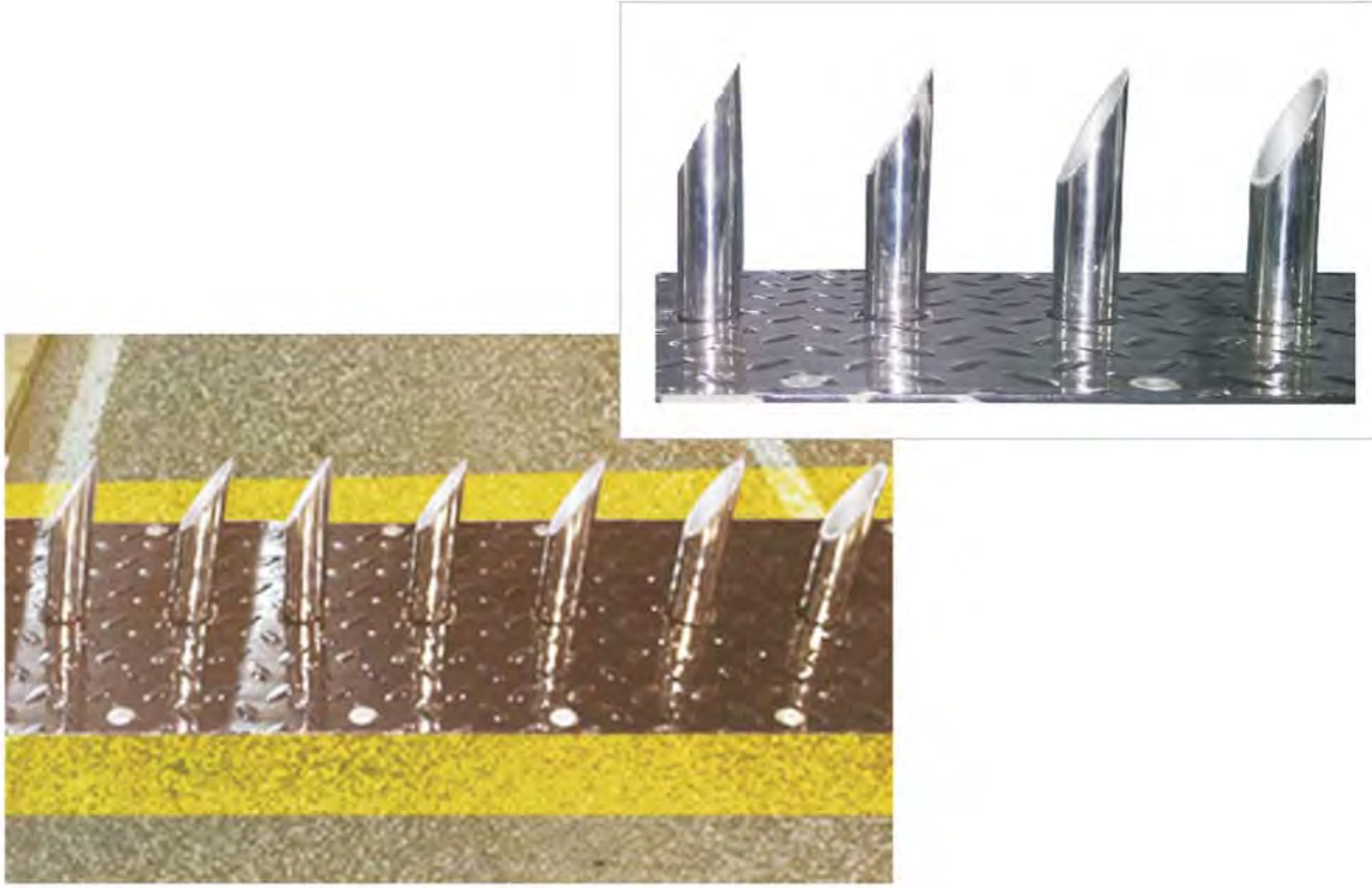
HOM Automatic Road Blocks are available in two models:

- **Hump Type**-Surface mounted above ground model, which also acts as mild speed breaker. This Model **requires no digging** of road.
- **Flat Type**-The other model is flush mounted, **completely inconspicuous in-ground installation**. As the name suggests it offers flat surface on the road but requires digging a trench across the road.



Bi-Directional Tyre Killer

A state of the art system which is **capable of destroying the tyres** of the vehicle approaching **from either direction**. The spikes move vertically upwards and downwards while in



operation. The system is **powered by an electro-hydraulic power pack**. The hollow spikes of this tyre killer are designed in such a pattern that they ensure an instantaneous deflation of the tyres of the forcefully intruding vehicle.

Road blocker

The HOM High Security Road Blockers are designed to withstand direct impact forces; the road blockers provide protection to sites from any vehicular intrusion. These Road blockers are designed specifically to provide maximum security to the premises from any type of unauthorized

movement. Manufactured from heavy gauge materials the system has **high strength and durability**.



Bollards

Conceived to ensure the safety of strategic access against ram-vehicles HOM introduces an exclusive range of bollards to meet the most demanding requirement for entrance control and impact resistance at sites where heightened security is needed. HOM Automatic bollards limit the

vehicular approach at the point of their installation, however the access can be granted by lowering them down for authorized passage.



Aesthetically pleasing and impassable to traffic; Rising Bollards provide a neat solution to control the passage of vehicles.

Electro-hydraulic and electro-Pneumatic drive mechanisms.

Single or multiple units in row with one common drive unit.

Illuminated ring is composed of **LED lights** that makes the bollard prominent when visibility is low.

Axle Road block

HOM Axle Road block is designed to destroy vehicles trying to forcibly enter into the secured area. If a vehicle attempts to break through, its axles will be destroyed completely. All vehicles can have access to the premises securely when axle road block is in closed position or is lowered. Electro-pneumatic or Electro-hydraulic drive unit is

operated by **microprocessor based control panel**. The solid blocking spikes are welded to the heavy duty central axis, upon impact the force is transmitted to these robust members and gets dissipated evenly.



Entrance Gates

Automated Swing Gate Systems

HOM's Swing gate automation system is the most secure and dependable swing gate automation solution in the Indian market. The aesthetically designed electromechanical drive mechanism is installed under the floor without occupying any space. HOM swing gate automation drive units are extremely sturdy with heavy duty operation cycle. They come with an electro-mechanical lock which secures the entrance when needed.

Main features are:

- Suitable to install in existing Swing Gates.
- Can be operated using a remote control from your car or also by a push button installed inside the guard- room.

- Rotary Drive units are silent, reliable and maintenance free.
- An inbuilt clutch system suspends the motion of the gate, to avoid collision with any obstruction.
- A specially designed electro-mechanical lock offers the feature of locking the gate automatically.
- In case of power failure, the lock can be manually opened with the help of a unique pass key.
- Microprocessor based control panel is capable of communicating with optional devices such as photo sensors, card readers etc.



“ HOM Automation provides comprehensive one point gate entrance solution which includes the Fabrication, Installation as well as Automation services for all types and sizes of gates. ”

Automated Sliding Gates

Hom Automation range of products includes the fabrication & automation of entrance gates to meet the client's requirement. The steel structured gates are designed and fabricated for all market segments, ranging from light weight sleek designed gates to heavily structured industrial gates. Further, Hom Series of sliding gate automation products act as an added advantage by providing the complete entrance gate solutions to its clients under a single roof.

HOM Automation sliding gate automated system is an exceptional combination of **flawless development, design and productivity**. It is the most technically advanced gate automation system based on electro-mechanical technology for rugged use with heavy duty cycle . HOM provides steel tracked gates which offer unlimited options.

HOM sliding gate drive **mechanism is of a sleek** yet sturdy structure and acquires very little back-up area. HOM sliding gate automation systems are manufactured to manage the gates having considerably bigger opening widths; therefore it is a secure alternative to cantilevered sliding gates.

Main features are:

An **adjustable mechanical clutch** delivers required thrust and provides quiet operation to the gate. Irreversible electro mechanical units keeps the



gate securely locked while a special passkey provides release for manual operation during power failure.

Timed electronic system plus built-in switches offer precise adjustment and added safety to electrical motor. Electronic control panel is designed to accept various controls and safety accessories such as Optical Beam Sensors, Remote Control, Magnetic Card reader etc. (Optional).

The Electro/mechanical drive unit is discreetly housed giving a clean and subtle look to the installation. An Optical Sensor can be installed as an optional safety feature, which is used to stop the moving gate if it senses and detects any obstacle while gate is closing, thereby avoiding the collision with any object.

HOM sliding gates **comes with a push-button control** as standard; however it can be customized to interface with a wide range of access control equipment to suit customer-specific requirements.

Cantilever Sliding Gates

HOM Cantilever Sliding Gates require no track or support across the roadway. The automatic cantilever gates leaf is supported by a cantilever support carriage. Generally such gates are the best solution for the industrial zones where the gate has to pass over a railway tracks or sites where the ground is not finished & leveled.

Cantilever Gates have been designed to withstand high flows of traffic and varying environmental conditions. A variety of sizes in fills and finishes are available to suit individual site applications.

Main features are:

- ◆ Environmentally **Durable**.
- ◆ **Custom built** as per client specification
- ◆ Operational during power failure conditions
- ◆ **Ease** of Installation.
- ◆ Automatic cantilever sliding gates are driven by a rack and pinion system.
- ◆ Its **heavy duty drive mechanism** with comprehensive functionalities makes the gate respond efficiently to operator instructions.



HOM Automatic Retractable Gates

HOM automatic retractable gates are designed for broad openings. They are generally installed at parking lots, hotels, main entrances of Industries, Stadiums, malls and cinema halls etc. and all such locations where there is a need to check the entry and exit of vehicles as well as the crowds.

These gates have a flexible design for security & control applications which gets compressed to a minimal space when in open position and does not require vast amount of space for operation in comparison with the conventional gates.

HOM retractable gates are manufactured in various designs and specifications to match client's satisfaction and needs. These gates can be fabricated to suit the site requirement with various height and length options. **with Height: upto 2 meter, Length: upto 25 meter.** Incredibly affordable, easy to install, extremely low cost requiring minimal maintenance makes Hom Retractable gates the favourite choice of the security industry providing compact, convenient and secure entrance limiting solution.



Features:

- Are available in three kinds of material, viz. **Mild steel, aluminum and stainless steel.**
- Type of sliding track: **Track-less, Single track, Double track**
- The unique infrared **anti- collision system ensures safety** of passengers and vehicles by retracting the gate backwards automatically at a distance of 20-25cm away from any kind of obstruction.

Automatic Glass Doors

Automatic Sliding Glass Doors

HOM Sliding Glass Doors automation systems give you all the benefits of an access control system yet fit **seamlessly and elegantly** into any high profile environment where ambient appearance is equally important as the smooth functionality of the automation module.

Optimum pedestrian throughput in an elegant & sophisticated style HOM Automatic Sliding Glass Door System is **an essential element** for today's corporate lobby environment. The ideal solution to rationally manage commercial, service, residential and public spaces such as **airports, shopping malls, banks and hotels.**





Hom's continuous development programme may bring specification changes without prior notice.

For more information please contact:

HOM Automation Pvt. Ltd.

C-11, Okhla Vihar, Jamia Nagar, New Delhi-110025

Ph: 011-26820662/26322356 Fax: 011-26935927 Mob.: 9958560764

E-mails: info@homautomation.com; sales@homautomation.com

Website: www.homautomation.com