ENTRANCE
CONTROL
SOLUTIONS

Godrej | SECURITY SOLUTIONS

Authorized Access Only.

Entrance Control Solutions

ENTRANCE CONTROL SOLUTIONS

Godrej Security Solutions' range of **entrance control solutions** include a high tech series of products, that are designed to keep entryways completely secure. The strong and intelligent products ensure that no unauthorized vehicles or people pass through.

VEHICULAR ENTRANCE CONTROL

ROAD BLOCKER

Godrej Security Solutions' Road Blockers provide reliable security where unauthorized vehicles attempting a forceful entrance need to be brought to a complete stop.

APPLICATIONS:

Government assets having highest level of threat, PSUs, private organizations, airports, temples, seaports, critical defense establishments.

FEATURES:

- The housing and the blocking elements of the road blocker are designed in full-core steel profile construction, to absorb a static impact load of 400-926 kN
- All road blocker models are physically crash tested & certified for physical crash impact as per international PAS 68: 2010 standards 926 kN ratings (7.5 ton truck crashing up to 80 km/h) from premier authorized test agencies like TRL & MIRA-UK
- Electro-hydraulically operated, ensured to stop even the heaviest of vehicles in the category of trucks and heavy vehicles
- Rises above the ground level up to 675-1100mm height on giving a valid input signal
- Long term corrosion: All steel parts of the Road Blocker are especially galvanized and plastic coated (three surface layers - zinc plus 2 layers of plastic coating, up to 260µ)
- The minimum total thickness of the finished coating is 260µ
- Standard fully covered blocking fascia as well as wedge type blockers

OPTIONAL FEATURES:

- Any RAL color/stainless steel bollards
- Accumulator system for hydraulic operation in case of power failure
- Traffic lights and sump pump for drainage
- Built in red warning lights for better visibility of blockers built for impact greater than 700 kN

TECHNICAL SPECIFICATIONS:

- The housing and the blocking elements of the Road Blocker are designed in full-core steel profile construction, to absorb a static impact load of 400-5000 kN
- Electro-hydraulically operated
- Blocking width 3-6 m
- Physically crash tested according to PAS 68 standard
- Loop detector provided for safety
- Tensile strength of structural steel components: 490–600 N/mm²
- Hand pump for manual operation in case of power failure

BLOCKING BOLLARDS

Godrej Security Solutions' Blocking Bollards are a modern deterrent to vehicles attempting unauthorized forceful entry with mal-intentions of causing damage to life and property.

FEATURES:

- Available to operate simultaneously or in configurations in set of 2 up to 5 numbers simultaneously to protect various gate widths from unauthorized forceful vehicle entry
- Each bollard is physically crash tested & certified for physical crash impact as per international PAS 68 standards (7.5 ton truck crashing at a speed of min 48 or up to 80 km/h) from premier authorized test agencies like TRL & MIRA-UK
- A strong hydraulic power pack operating a desired set of bollards at a high pressure of 80-120 bar ensuring to stop/lift even a heaviest of the vehicles in category of trucks and heavy vehicles
- A separate hydraulic power pack drive proving to be cost efficient by eliminating service, drive replacement & power failure operation related problems
- A hydraulic accumulator giving redundancy by allowing automatic operation in case of power failures
- Each bollard & all related material parts are galvanized up to 100µ layer of pure zinc according to DIN 8565 and DIN 8566 followed by 2-component powder coating
- The minimum total thickness of the finished coating is 260µ
- This ensures corrosion protection for more than 20 years

OPTIONAL FEATURES:

- Any RAL color/stainless steel-304 bollards
- Accumulator system for hydraulic operation in case of power failure
- Traffic lights
- Sump pump for drainage
- Inbuilt LED lighting on top circumference of bollard

OPTIONS AVAILABLE:

- Electro-hydraulic Bollards
- Electro-pneumatic Bollards
- Semi-automatic (gas spring) Bollards
- Dummy/fixed Bollards

TECHNICAL SPECIFICATIONS:

- Electro-hydraulically/electro-pneumatically operated
- Single or multiple units in row with one common drive unit
- Crash rating: 350-926 kN (7500 kg vehicle at 80 km/h)
- Standard blocking height above surface level: 700/800/1000mm (as per requirement)
- Diameter of Bollard: 275mm as a standard
- Loop detector provided for safety
- Hand pump for manual operation in case of power failure
- Design certified and physically crash tested as per PAS 68 standards

LONG-TERM CORROSION PROTECTION:

All steel parts of the Bollards are especially galvanized and plastic coated (three surface layers - zinc plus 2 layers of plastic coating up to 260 microns).

TYRE KILLER

Godrej Security Solutions' easy to install Tyre Killers, are highly secure vehicle control barriers, ideally suited for entrances.

APPLICATIONS:

Banks, military installations, airports, docks, cash collection depots, government offices, etc.

FEATURES:

- Electro-hydraulically operated heavy duty spike obstruction
- Rises above the ground level on giving a valid input signal
- Prevents unauthorized intrusions at entry/exit points of high security premises
- All steel parts are especially galvanized and plastic coated (three surface layers, zinc plus 2 layers of plastic coating up to 260µ)

OPTIONAL FEATURES:

- Accumulator for hydraulic system in case of power failure
- Traffic lights for visualization
- Sump pump for drainage

TECHNICAL SPECIFICATIONS:

- A Tyre Killer with separate electro-hydraulic drive unit: Consists of an underground casing and heavy duty steel spikes determined to destroy tyres, suspension and axles of a vehicle in case of unauthorized intrusion
- Electro-hydraulically operated
- Blocking width 3-6 m
- Designed to puncture tyres and break the axle in case of violent intrusion attempt
- Blocking height of spike above surface level: 475mm
- Loop detector provided for safety
- Hand pump for manual operation in case of power failure
- The solid blocking spikes 25mm thick welded to the solid rotation axis at a distance of approx. 200mm to each other

LONG TERM CORROSION PROTECTION:

All steel parts of the road blocker are especially galvanized and plastic coated (three surface layers, zinc plus 2 layers of plastic coating up to 260 microns).

CRASH RESISTANT BARRIER

The Godrej Security Solutions Crash Resistant Barrier is designed to protect entryways from unauthorized vehicles. With an electro-mechanical drive unit, it is designed to withstand a static impact load up to approx. 350 kN. (e.g. 5 tons vehicle travelling at a speed of 60 km/h or 6.8 tons at 50 km/h)

FEATURES:

- Barrier pole: Heavy-duty metal profile with steel rope/chain support according to statical requirements
- Pole support: 1 no. steel rest posts with pole lead-in, side support and rubber buffer
- The rest post also acts as impact resistance in case of violent attacks while the barrier pole is in closed position & locks the boom preventing the boom lifting from below in case of a crash
- The barrier pole is bolted to a wishbone-mounting pivoting on ball bearings
- The bottom part of the casing consists of the base plate with an opening for cable conduits and bores for the anchor bolts
- Roller bearings of barrier pole equipped with life lubrication
- Barrier drive: Electro-mechanical drive unit with gear motor in adequate size, 230 V, 50 Hz
- Electrical control & control equipment: The electrical PLC control for the barrier with all necessary switching elements and dry contacts is located inside the barrier stand casing
- 1 no. guard house push-button set "open-close" (box type) included

TECHNICAL SPECIFICATIONS:

	Clear passage width (in m)	3-6
	Height of pole above ground (in m) (approx.)	0.9
	Drive	Electro-mechanical
Electric motor capacity	Main Voltage supply (in V)	230
	Power frequency (in Hz)	50-60
	Nominal power (in kW)	0.3
	Supply for control panel (in V)	24
	Drive unit	Worm gear drive
	Torque (in Nm)	170
	Protection class	IP55
	Controller type	PLC
	Power failure/emergency operation	By friction clutch
	Impact rating (approx. kN)	350
Environment	Temperature (in °C)	- 15 to +60
	Humidity	90%
	Barrier housing (approx. mm)	Steel 450 x 400 x 1180
	Boom length (clear opening) (approx. m)	6
	Operation time (approx. s)	9-12 (depending on boom length & impact rating)

SPIKE BLOCKER/TYRE RIPPER

Tyre Ripper is an intelligent product designed to block unauthorized entry or exit of vehicle across the road. It is available in 2 variants:

- Hump
- Flat

FEATURES:

- Driven with independent electro-mechanical drive unit and control panel
- When the blocking spikes are lowered, the drive away shall be free for vehicles
- Tyre Ripper spikes destroy the tyres of vehicles that attempt forced entry into the secured area
- Hump type is installed on the surface of the ground where as flat type is embedded in a foundation casing below the ground making the top surface at flush level with the ground

TECHNICAL SPECIFICATIONS:

Blocking width (in mm)	3000-5000
Blocking height (in mm) (from hump/flat type-flat type)	112-150
Width of the casing (depending on spike length) (in mm)	610-1070
Installation depth of casing (for flat type only) (in mm)	200
Height of the hump block above ground (only in case of hump type) (in mm)	125
Fully raised blocking angle of spikes	60°
Weight (approx. kg)	750
Distance between centers of 2 adjacent spikes (in mm)	120, ±10
Raising/lowering time (max. s)	1.5-2
Operating voltage	250 V, 50 Hz, single phase
Wheel load on the top surface (imax. tons)	25
Operating temperature (in °C)	0-55
Control unit	PCB/microcontroller
Protection class	IP54
Operation	Push-button set 'up-down' (box type)
Color	Blocking spike: Red Drive box: Grey Top surface spikes: Black & yellow stripes

ENTRANCE CONTROL SOLUTIONS

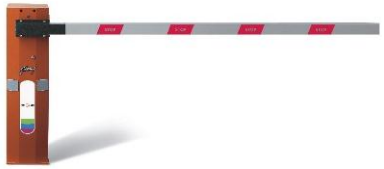
VIGIGUARD BOOM BARRIER

Automatic Boom Barriers offer efficient security at the exit and the entry points of factories, office complexes, condominiums, parking lots, toll tax plazas or any road–way entry where medium to heavy traffic is expected. It is designed for heavy-duty operation with sleek and modern looks.

APPLICATIONS:

Tolls, parking areas, industries, private & govt. assets, residential areas, airports, etc.

FEATURES:



- High torque motor: Long lasting motor, that generates up to 600Nm torque
- Smooth operation: No bounce/jerk of boom at end positions
- Better visibility: White aluminum Boom Barrier, with reflective strips and RAL 1005 powder coated housing
- IP54 protection: Control unit is IP protected making it dust and water resistant
- Optical beam sensor: Safety device to detect presence of vehicles and reversal of boom movement
- Access control operation: Barrier operated through push button switch and can also be operated through access control system
- Manual operation in case of power failure: Barrier can be raised or lowered, by releasing the boom lock with key type mechanism

OPTIONAL ACCESSORIES:

- Bar with protective rubber profile: To prevent injury, in case of any contact
- Circular boom section: Optional boom profile used in case of a windy area
- Loop detector
- Traffic/flashing light

TECHNICAL SPECIFICATIONS:

Model Number	G4000	G6000
Boom length (in m)	4	6
Height of boom from ground (in mm)	884	914
Housing dimensions (in mm)	260 x 270 x 1007	450 x 295 x 1077
Boom dimensions (in mm)	60 x 40	100 x 40
Controller protecting rating	IP54	IP54
Control panel power supply	230 V AC, 50/60 Hz	230 V AC, 50/60 Hz
Motor power supply	24 V DC	24 V DC
Power (in W)	300	300
Current draw (in A)	1.5	1.5
Torque (in Nm)	200	600
Opening time (in s)	2-6	3-6
Duty cycle	Intensive Use	Intensive Use
Operating temperature (°C)	-20 to +55	-20 to +55

OTHER PRODUCTS AVAILABLE:

Various swing gate drive and sliding gate drive to motorize the gate as per gate weight and dimension.

PEDESTRIAN ENTRANCE CONTROL

VIGIGUARD FLAP BARRIER

Designed for pedestrian entrance control, it helps to control and secure access, allowing only one person through at a time.

APPLICATIONS:

Works for indoor applications like office and admin buildings, IT parks, large business facilities, industrial areas, etc.

FEATURES:

- Brushless DC motor enabling high reliability and long lasting performance
- Energy efficient, consumes power up to 80 W
- Safety sensor prevents closing of flaps, ensuring pedestrian safety
- Better aesthetics with granite finish panel on the top and no sharp edges
- Flap material: Acrylic
- Tail gating alert
- Bi-directional operation can be used for both entry & exit
- Configuration to single and multiple lanes enables efficient use of space
- Lane indicator displays whether passage is barred or free
- Housing material: Mild steel powder coated or stainless steel grade 304 or optional stainless steel grade 316
- Integration with access control device

TECHNICAL SPECIFICATIONS:

Parameters Tail gating detection system	Standard Lane (GFB-M1,S1)	Wide lane (GFB-M1,S2)
Operating time (s)	0.5	0.5
Height (approx. mm)	1000	1000
Length (approx. mm)	1110	1110
Width (approx. mm)	250	450
Power supply	230 V AC	230 V AC
Passage clearance (in mm)	520	900
Motor	24 V DC	24 V DC
Duty Cycle	Intensive Use	Intensive Use

*All dimensions are in mm and approx.

ENTRANCE CONTROL SOLUTIONS

VIGIGUARD FULL HEIGHT TURNSTILE

Designed for pedestrian entrance control at high security areas, its revolving doors help regulate pedestrian flow.

Available in dual and single lane models, its sturdy structure and design, make it a sure deterrent.

Dual Lane Model Numbers: GFHT-M2, GFHT-S2

Single Lane Model Numbers: GFHT-M1, GFHT-S1

APPLICATIONS:

High security areas, like large business facilities, government assets, stadiums, research labs, etc.

FEATURES:

- Electro-mechanical drive mechanism
- 4 section rotor at 90° to prevent two passages at one time
- Bi-directional passage control
- Hexagonally designed drive mechanism housing, for better aesthetic with built in lane indicators
- Power supply: 230 V AC, 50 Hz, single phase
- Energy efficient: Consumes power approx. 60 W (single lane)
- Housing material: Mild steel powder coated or stainless steel grade 304, with stainless steel rotor and bars
- Self-centering hydraulic damping mechanism, for smooth and complete rotation of head
- Integration with access control device

OPTIONAL FEATURES:

- Canopy can be provided for outdoor applications
- Housing material: Stainless steel grade 316

TECHNICAL SPECIFICATIONS:

Type	Model (GFHT-S1, M1)	Model (GFHT-S2, M2)
Lane	Single lane	Dual lane
Height (approx. mm)	2225	2225
Length (approx. mm)	1450	2150
Width (approx. mm)	1500	1500
Passage clearance (approx. mm)	530	530
Power supply	230 V AC ±10%	230 V AC ±10%
Rotor	4 x 90° stop	4 x 90° stop
Duty cycle	Intensive Use	Intensive Use

*All dimensions are in mm and approx.

VIGIGUARD SLIM TRIPOD TURNSTILE

Tripods are designed to control pedestrians entering or exiting a restricted area in low to medium level of security under general surveillances and crowd control applications. The rotation is 3 x 120° (tri-arm design) for bi-directional application, with high volume of pedestrian movement.

APPLICATIONS:

BPO, parks, revenue control, passenger terminals, shopping malls, factory entrances, sports complex, airports, etc

FEATURES:

- Electro mechanical mechanism
- 3 x 120° rotating tripod arms
- Bi-directional operational control
- Self-centering mechanism with hydraulic damping
- Integrated with access control
- Case work available in mild steel powder coated or stainless steel, with stainless steel arms
- 380mm or 500mm walkway (standard is 380mm)

OPTIONAL FEATURES:

- Automatic drop arm feature, in case of emergency
- Sensor based auto-swirl
- Case work: Stainless steel 316

TECHNICAL SPECIFICATIONS:

Power	230 V AC single phase @50 Hz
Power consumption (approx. W)	40
Duty cycle	Intensive Use
Lane indicator	Built-in (Green/Red)
Application	Indoor
Reader mounting place (approx. mm)	100 x 250
Dimension of case work (approx. mm)	420 x 250 x 1020
Reader Mounting Place (approx. mm)	100 x 250
Walkway (approx. mm)	380 or 500
Installation	By anchor bolts on plain surface

KEY MANAGEMENT SYSTEM

The Key Management System is an efficient security system, to keep all your keys safe. It prevents unauthorized access, and guards all keys against theft or misplacement. Each key is attached to a smart-key (or Key Fob) which is individually identified and locked, allowing only authorized access. This is done using an RFID card or unique PIN codes or a combination of both.

APPLICATIONS:

Hospitals, banks, government & corporate offices, malls, parking areas, shops etc.

FEATURES:

- Computerized key control: Grants authorized access; Configures user rights and RFID cards as per the program
- Key fitted to a Smart Key Fob: Individually locks and identifies the keys using the built-in chip
- Tagging free: No tagging required on key cabinet and any key can be placed in any slot, making it hassle free for the users
- RFID access for better security: Front door opens to provide access to the panel only on scanning the RFID card for additional security, to avoid key tampering or duplication
- Internal battery backup*: Enables uninterrupted operation in the instance of power failure
- Software: User-friendly interface; Comprehensive monitoring of multiple key guards
- Generate transaction reports: Formulates access history of each key and user
- Generates detailed reports and logs up to 25000 transactions
- Tamper alarm: Alerts in case of tampering or intrusion by an unauthorized user
- Automatic lock: It automatically locks all key access in case of battery or power failure

*for a limited period of approx. 10 minutes.

GSS/PSS/INSTITUTIONAL/ENTRANCE CONTROL SOLUTIONS/ORCHARD/050914/V2

Godrej & Boyce Mfg. Co. Ltd.
Plant No. 17, Pirojshanagar, Vikhroli (E),
Mumbai – 400 079
Tel. No.: 022 6796 1700/1800
Fax No.: 022 6796 1509

Toll-free No.: 1800 200 0065
secure@godrej.com
www.godrejsecure.com
(Service across 20 branches and an extensive dealership network)
ISO 9001:2008 & 14001:2004 & OHSAS 18001:2007

Follow us on: