Partner with the Best

WWW.GATESANDBARRIERS.COM
Founded in 1946, Magnetic Autocontrol became a well-established and leading international provider for pedestrian access control and vehicle access control products for many industries. The US division, Magnetic Automation Corp in Florida, was founded in 1990 with sales concentration in North, South and Central America. Our solutions portfolio includes both standard and custom user-specific solutions to increase security and safety as well as efficiency and control.

From low level to high level security operations, we offer a wide range of product lines in the following areas: vehicle access, pedestrian access, perimeter security, door/gate controls, border security and other areas of physical access control. As a leading supplier of physical security and entrance control solutions, we are constantly developing new ideas and products based on the latest technologies and market requirements. Thanks to specialized competence, years of application experience, innovative thinking and ongoing feedback from our customers, Magnetic Automation has been able to maintain the high quality of its products. Offering a wide range of products enables Magnetic Automation to find a suitable solution for applications all over the world.

Magnetic Automation prides itself on its ability to offer products per customer requirements with the highest quality, robustness and reliability possible as well as generous guarantees. The core of our competencies and product quality is in the motor and drive technology. Our innovative drive system designs are applied in all of our physical security products: vehicle gates, waist high tripod turnstiles, full height turnstiles, retractable wing barriers, high door barriers, swing flap barriers, and speed gates.

Furthermore, the Magnetic Autocontrol Group is part of CRH Fencing & Security (www.crh-fsg.com). CRH Fencing & Security Group is a 100% subsidiary of CRH plc (www.crh.com), an international building materials group. CRH plc, headquartered in Ireland and active in more than 32 countries, has over 90,000 staff and a turnover of more than 21 billion Euros. CRH F&S Group, with its registered office in the Netherlands, is an international group of companies occupying a leading position in Europe in the field of outdoor security. The collaboration and synergies between the vast amount of companies within the CRH Group allows Magnetic Automation Corp to focus on its strengths and expand effectively into new markets while maintaining a solid financial structure.

### Our Strengths
- Integrity
- Ethical Standards
- Experience
- Customer Service
- Flexibility
- Product Technology
- Product Variety

### Products and Markets
- Vehicle Access Control
- Pedestrian Access Control
- Entrance Control
- Automatic Fare Collection
- Homeland Security
- Automated Passenger Processing and Boarding Gates

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Green product ideal for LEED certified construction
When speed and performance are of the essence, there is no match for our Super High Speed series gates. These gates are used in the most demanding of applications such as toll roads, border crossings and other extremely high throughput locations.

Standard features include:

- No belts, pulleys or 3rd party parts
- Auto open on power failure
- Two (2) year warranty
- Guaranteed high performance motor and controller
- Brushless DC motor (MIB10)
- AC Torque motor (MIB20)
- Spring balanced direct drive unit
- Minimal torque for safer operation
- No boom bounce
- 14 GA zinc plated steel housing with SS base for corrosion resistance
- Extra sensory instant reversing rebound
- Stainless steel bottom frame
- 100% duty cycle
- Little to no maintenance
- No lubrication
- Low Total Cost of Ownership (TCO)
- No need for heaters
- Lower power consumption
- Optional RS232/422/485 and TCP/IP communication
- Optional swing away flange
- MTBF > 5 million cycles
- MTTR < 30 minutes

MIB 10

- Highest speed barrier
- Adjustable opening/closing time 0.6-3.0 seconds
- DC Motor drive
- 115V 60 Hz (Optional 230V 50 Hz)
- Maximum boom length octagonal 10 feet
- Maximum boom length round 10 feet

MIB 20

- Intuitive AC Torque Motor drive with highly advanced features
- Opening/closing time 0.9 seconds
- 115V 60 Hz (Optional 230V 50 Hz)
- Maximum boom length octagonal 10 feet
- Maximum boom length round 10 feet
- Built-in dual channel loop detector
High Performance

Hands down, the best overall barriers on the market are our MIB 30/40 vehicle gates. Often imitated, these gates have yet to be duplicated. No other gate comes close to their performance. Common applications include airports, parking lots, rental car facilities and locations requiring reliable entrance and exit control.

MIB 30

- Intuitive AC Torque Motor drive with highly advanced features
- Opening/closing time 1.4 seconds
- 115V 60 Hz (Optional 230V 50 Hz)
- Maximum boom length: 12 feet

MIB 40

- Intuitive AC Torque Motor drive with highly advanced features
- Opening/closing time 4.0 seconds
- 115V 60 Hz (Optional 230V 50 Hz)
- Maximum boom length: 20 feet

Standard features include:
- No belts, pulleys or 3rd party parts
- Two (2) year warranty
- Guaranteed high performance motor and controller
- No boom bounce
- Built-in dual channel loop detector
- Spring balanced direct drive unit
- Minimal torque for safer operation
- 14 GA zinc plated steel housing with SS base for corrosion resistance
- Extra sensory rebound
- Auto open on power failure
- Access door on any side
- Boom fitted to either left or right side
- 100% duty cycle
- Little to no maintenance
- No lubrication
- Low Total Cost of Ownership (TCO)
- No need for heaters
- Condensation/corrosion prevention
- Very low power consumption
- Optional RS232/422/485 and TCP/IP communication
- MTBF > 5 million cycles
- MTTR < 30 minutes
There are many cases where pricing alone is the major driving factor. Without sacrificing highly reliable performance, but with less overall features, we are pleased to offer our general purpose MBE series gates. The most common applications include lower traffic areas, small parking lots, gated residential communities and visual indicators for high security barriers.

Standard features include:
- No belts, pulleys or 3rd party parts
- Two (2) year warranty
- Reliable motor and controller
- No boom bounce
- Spring balanced direct drive unit
- Minimal torque for safer operation
- UV resistant powder-coated housing
- 100% duty cycle
- Little to no maintenance
- No lubrication
- Low Total Cost of Ownership (TCO)
- No need for heaters
- Very low power consumption

**MBE 35**
- Opening time ~2.3 seconds
- Closing time ~2.8 seconds
- Maintenance-free Torque Motor
- 115V 60 Hz (Optional 230V 50 Hz)
- Maximum boom length: 12 feet

**MBE 50**
- Opening time ~4.6 seconds
- Closing time ~4.9 seconds
- Maintenance-free Torque Motor
- 115V 60 Hz (Optional 230V 50 Hz)
- Maximum boom length: 15 feet
Extended lane coverage isn’t a problem for our heavy duty MTS/MHS series barriers. These electric barriers perform the same job as many hydraulic gates, but without all the maintenance and operation concerns. Applications include truck entrances, blocking of roadways, airports, sea ports and other locations requiring special considerations.

Standard features include:
- No belts, pulleys or 3rd party parts
- Two (2) year warranty
- Guaranteed high performance motor and controller
- Boom lengths up to 33 feet
- No boom bounce
- Dual channel loop detector included
- Ideal for extended lane coverage
- Boom lengths up to 33 feet
- Opening/closing time 6.5-8.5 seconds
- 115V 60 Hz (Optional 230V 50 Hz)
- Many options available
- Spring balanced direct drive unit
- Minimal torque for safer operation
- Heavy duty galvanized, phosphate-treated steel frame
- Boom fitted to either left or right side
- 100% duty cycle
- Little to no maintenance
- No lubrication
- Low Total Cost of Ownership (TCO)
- No need for heaters
- Condensation/corrosion prevention
- Lower power consumption
- MTBF > 5 million cycles
- MTTR < 30 minutes

MTS 6/8

MHS 8
We realize that our customers’ needs are not always the same.

For this reason, we offer a wide variety of options including:

- Articulated booms for low height clearances
- Lighted boom arms
- Aluminum skirts under boom arms
- Long range AVI readers and ID tags
- Vandalism safe - locking booms and supports
- Custom RAL colors
- Various boom material options and mounting flanges (i.e. swing away)
- Loop detectors, counters, etc.
- Uninterruptible power supply (UPS)
- Audible buzzers for increased safety
- Protective foam padding
- Boom break-away contacts
Pedestrian Barriers

For guaranteed pedestrian access control without all the maintenance, our High Performance Turnstiles simply cannot be beat. Applications include amusement parks, prisons, automated fare collection for rapid transit, stadiums and other locations requiring fast reliable throughput.

Features include:

- Patented MHTM™ drive for motorized barriers
- No maintenance
- No gears
- Super smooth operation
- Increased safety
- Precise movement and locking mechanism
- High performance controller
- Multiple access control options
- Bi-directional capability standard
- Two (2) year warranty
- 100% duty cycle

MPT FULL HEIGHT TURNSTILE
- Ideal for high security locations and anti-tailgating
- Access control mounting plates standard
- Bi-directional control
- Electro-mechanical lock
- U-shaped bars for increased safety
- Galvanized, powder coated or stainless steel
- Single or tandem configurations
- Optional ADA/handicapped lane
- IP54 rating
- 115V 60 Hz (Optional 230V 50 Hz)

MPP WAIST HIGH TURNSTILE
- Ideal for fare collection, queuing and anti-tailgating
- Optional automatic return drop arm
- Highly advanced MHTM™ drive unit
- Noise-free operation
- Non-kickback movement for child safety
- Stainless steel
- IP32 or IP44 rating (higher optional)
- MTBF > 10 million cycles
- MTTR < 30 minutes
- 115V 60 Hz (Optional 230V 50 Hz)
When speed and aesthetics are of utmost importance, our High Performance Retractable barriers are far and above the best products on the pedestrian access market. Applications include amusement parks, automated fare collection for rapid transit, stadiums, aircraft boarding, lobbies and other locations requiring extremely fast reliable throughput.

Features include:
- Patented MHTM™ drive unit
  - No maintenance
  - No gears, pulleys or troublesome linear actuators
  - Noise-free operation
  - Super high speeds and smooth operation
  - Impact detection for increased safety
  - Precise movement and locking mechanism
- High performance controller
- Optional LED gate end displays for visual reference
- Multiple access control options
- Bi-directional capability standard
- Patron detection with adjustable delay times
- Anti-tailgating options
- Easy access doors
- Two (2) year warranty
- 100% duty cycle
- MTBF > 10 million cycles
- MTTR < 30 minutes

MPR BI-PARTING WING
- Highest speed pedestrian barriers
- Opening/closing 0.3-0.6 seconds
- Highly advanced MHTM™ drive unit
- Acrylic or soft padded wing options
- ADA/Accessible lanes available
- Stainless steel
- IP32 or IP44 rating (higher optional)
- 115V 60 Hz (Optional 230V 50 Hz)

High Performance Retractable

MPH HIGH DOOR
- High speed pedestrian barriers with increased security
- Opening/closing 0.8-1.4 seconds
- Highly advanced MHTM™ drive unit
- ADA/Accessible lanes available
- Standard panel heights 48", 60" and 72"
- Custom panels available
- Stainless steel
- Multiple housing options
- 115V 60 Hz (Optional 230V 50 Hz)
High Performance Swing

The High Performance Swing barriers are the ideal choice for limited floor space or locations requiring more aesthetic design options. Slim housings and various material options can be matched to the appearance of the surrounding environment. Applications include amusement parks, automated fare collection for rapid transit, stadiums, aircraft boarding, lobbies and other high profile locations requiring fast reliable throughput. Standard features include:

- Patented MHTM™ drive unit for motorized barrier configurations
  - No maintenance
  - No gears, pulleys or troublesome linear actuators
  - Noise-free operation
  - Precise movement and locking mechanism
  - Adjustable delay times
- High performance controller
- LED displays for visual reference
- Multiple access control options
- Bi-directional capability standard
- Patron detection options
- Easy access doors and panels
- Two (2) year warranty
- 100% duty cycle

High Performance Swing Gates

- Ideal for ADA/Accessible lanes
- Adjustable open/close speeds
- Steel bar or glass panels available
- Highly advanced MHTM™ drive unit
- Noise-free operation
- Stainless steel
- MTBF > 10 million cycles
- MTTR < 30 minutes
- 115V 60 Hz (Optional 230V 50 Hz)
- All-In-One design, no external controller necessary

MPW Swing Gate

- Ideal for fare collection, queuing and anti-tailgating
- Highly advanced MHTM™ drive unit
- Noise-free operation
- Stainless steel
- Many housing options available
- IP32 or IP44 rating (higher optional)
- MTBF > 10 million cycles
- MTTR < 30 minutes
- 115V 60 Hz (Optional 230V 50 Hz)
- Super high speeds and smooth operation
- Impact detection for increased safety
Applications do not always require super high performance motorized barriers. For this reason, we offer an excellent line of general purpose turnstiles with aesthetically pleasing designs and many options. These turnstiles offer solid performance and are ideally suited for access control and patron queuing inside banks, entertainment venues, health clubs, cafeterias, corporate facilities and other interior environments.

Features include:
- Modern aesthetically pleasing designs
- Rounded edges and no visible fasteners
- Easy interface control board
- Extremely robust electro-magnetic locking mechanism
- IP32 rating standard (IP44 available for exterior environments)
- Arms positioned at 90 degrees for improved pass through performance
- Optional drop arm for free egress during emergencies or power outages
- Stainless Steel base housing (powder coated available)
- Two tone top bezels with high impact plastic (custom colors available)
- External pictograms for patron visual reference
- Many additional options available including: ticket readers, card readers, ticket/token collecting bins, proximity readers, biometric verification, LCD displays and more
- Low maintenance costs
- Two (2) year warranty
The steady increase in international travel and concerns about crime and terrorism are major issues facing all security, immigration and customs departments worldwide. Furthermore, the tourist industry has continued to lose millions of dollars each year because many international travelers are not willing to put up with the inconvenience of the current clearance procedures. Faster clearance times and increased security are no longer an afterthought, but a necessity.

Our solution for such applications is the Automated Clearance Gate. Utilizing such technologies as Machine Readable Travel Documents (MRTD) and Biometric Identification Systems (BIS), Magnetic pioneered the first automated clearance gate during 1996 in Singapore. Since then, units have been installed in many international airports including:

- Singapore
- Malaysia
- Dubai
- Australia
- Abu Dabi
- Sharjah
- Fujairah
- Hong Kong
- Cambodia
- Burma
- Indonesia
- Nigeria
- Al Ain
- Ras Al Khaimah
- China
- Morocco

Each year, millions of passengers pass through the automatic lanes for security processing. Processing speeds per passenger, including biometric verification, range from 5-12 seconds each. Excess and/or overworked personnel and their associated expenses are minimized as one person is able to monitor several lanes at a time. Security is also enhanced because the attention span of trained personnel is significantly more focused.

Automatic lanes with identification confirmation for entrance control can be used for a wide number of applications. Applications include airports, sea ports, government facilities, high profile manufacturing sites, border crossings, rail stations, power plants and other secured entry/exit points. Available options include visual signals, alarms, LCD monitors, card readers, iris readers, fingerprint readers, facial recognition systems, intelligent video systems and custom detection systems.

Features include:
- Patented MHTM™ drive units
- No maintenance
- No gears, pulleys or troublesome linear actuators
- Noise-free operation
- Super high speeds and smooth operation
- Impact detection for increased safety
- Precise movement and locking mechanism
- No need for heaters
- Slim profiles to minimize floor space requirements
- High performance controller
- Optional LED gate end displays for visual reference
- Machine Readable Travel Document readers
- Biometric Verification Systems
- Patron and luggage detection
- Bi-directional capability standard
- Easy access doors
- Customized housings
- Two (2) year warranty
- 100% duty cycle
- MTBF > 10 million cycles
- MTTR < 30 minutes
Controls

For high quality performance and secured entrance control, Magnetic offers a wide variety of products for many applications. Our range of control solutions is constantly evolving based upon the ever changing needs of our customers and industry partners.

Control Columns & Panels,
Sensors & Access Control

Solutions include:

- Many control columns available to meet individual requirements
- High performance FEIG ELECTRONIC control panels for high speed roll-up doors, bi-folding gates, cantilever gates and other gate operators driven by electric motors
- Single or dual channel vehicle loop detectors
- Counting devices
- Lane controllers
- Proximity reading devices
- Biometric verification devices
- Card readers
- Long range readers and tags for both vehicle and driver identification - Up to 33’ range and 125 mph
- Keypads
- Radar motion detectors