We Protect People & Assets

Delivering Proven Solutions for Safety & Security
Magnetic Automation has been part of the Australian perimeter security industry for more than 30 years.

We offer locally manufactured products that are designed, manufactured and installed specifically for your application which are compliant with international standards. Our product range includes barriers, boom gates, automated slide and swing security gates, parking systems, turnstiles and other pedestrian access control technologies.

With extensive experience in commercial and industrial environments, we are able to provide customised and stylish solutions to meet our customers’ needs. Our products are installed within mining, rail, corporate, industrial, government, infrastructure and defense sites. Magnetic’s products and service are recognised for their high standards in quality and reliability, making us an industry leader. This is a major advantage in high security applications where stringent requirements apply. Our core competence lies in our knowledge of motor and drive engineering.

We are part of the global Magnetic Autocontrol Group which is a worldwide leading manufacturer of barriers, security gates, turnstiles, parking systems and other related pedestrian access control technologies. The headquarters of the Magnetic Autocontrol Group is situated in Germany, with six subsidiaries in Australia, China, India, Malaysia, Brazil and USA. Magnetic Autocontrol is also part of the FAAC Group.

In Australia, we have a presence in every state, with Head Office in Tullamarine, Victoria and branches in Western Australia, Queensland and New South Wales.

All Magnetic products are supported by a comprehensive preventative maintenance, service and spare parts program.

National Sales & Service: 1300 364 864
Head Office - Melbourne
Email: info@magnetic-oz.com
Perth
Email: wasales@magnetic-oz.com
Sydney
Email: nswsales@magnetic-oz.com
Brisbane
Email: qldsales@magnetic-oz.com

We are proud members of the following associations:

- Australian Security Industry Association Limited
- ASIAL
- MESCA
- Mining & Energy Services Council of Australia
- Parking Association of Australia Inc

OUR RANGE:
- BOOM GATES
- SLIDING GATES
- SWING GATES
- TURNSTILES
- SPEED GATES
- SECURITY RISING STEP
- FIXED & HYDRAULIC BOLLARDS
- CARD READER BOLLARDS
- GATE AUTOMATION
**Sliding Gates**

Magnetic Automation is a world leader in the manufacture of Cantilever and Track Security Slide Gates and we are able to tailor a solution for most applications. Gates are constructed from fully welded Australian made RHS steel in the gate frame, back runner and support posts, with 25 x 25mm RHS uprights. All fabricated steel is hot dipped galvanized for total protection and maximum life span. All rollers are supplied with maintenance free sealed bearings and are capable of 100% duty cycle.

Security gates can be built to custom requirements including gate speed adjustments.

**Light Weight Gates**

The MTL Light Weight Track Gate and MCL Light Weight Cantilevered Gate are ideal for light commercial applications. These budget-conscious gates are suitable for environments such as small factories and premises requiring infrequent operation. Gates are constructed from pre-galvanized steel and are powder coated to individual colour requirements.
MSG - VEHICLE CONTROL
The MSG Swing Gate has been a market leader for more than 30 years. It has been designed for high end commercial and industrial applications. The MSG Swing Gate provides maximum control of vehicular passage at security access points and can be tailored to suit specific applications and customised to suit site requirements.

Gates are constructed from fully welded Australian made RHS steel in the gate frame and support posts, with 25 x 25mm RHS uprights. All fabricated steel is hot dipped galvanized for total protection and maximum life span. The design allows for single leaf spans of up to 8 metres. A range of compatible drive motors for Swing Gates are available to suit each application.

MSG - PEDESTRIAN CONTROL
The MSG extended range includes Swing Gates for pedestrian control with gate widths of 1.0 metres to 1.5 metres.

MRG - RAILWAY
The MRG Railway Gate series is designed for the control of pedestrian traffic through rail level and foot crossings, particularly where safety and high usage are of importance. The design of the Railway Gate is highly vandal resistant and all components are of robust construction.

The Magnetic Automation torque drive motor has a protective indexing clutch and shock absorbing springs built in to prevent internal damage for instances where the gate is forced against its motion during operation. The torque motor can be installed in any position without overheating or suffering any damage.
**MPT - FULL HEIGHT TURNSTILE**

The MPT provides high security protection that is vandal and attack resistant. The turnstiles are designed to control pedestrian traffic in perimeter locations outside of or away from principal buildings and can be used for bi-directional access control applications. The MPT allows for a high security passage frequency of 15 to 20 people per minute and 100% duty cycle.

Mine ready options - 24volt configuration & IP65 rating - are also available.

Turnstile are constructed from fully welded Australian made RHS steel which is used in the construction of the cage, and the centre column with solid U bars. The MPT has been designed as a one-piece construction; therefore it can easily be assembled on site by hand and without the need for heavy lifting devices. All sections are fully hot dip galvanised and powder coating is optional from a wide selection of powder coating colours.

The MPT has been fully risk assessed and is suitable for both indoor and outdoor applications. The turnstile is designed as a one piece construct and can be installed directly on to existing concrete surfaces, or in the

**MPP - TRIPOD BARRIER**

**MPS - SHORT SWING BARRIER**

Magnetic Automation offers a range of MPP Pedestrian Pivot Barriers and MPS Pedestrian Swing Gates designed to control pedestrians entering or exiting low security controlled areas.

The MPP tri-arm design can be used in bi-directional control applications with high volume pedestrian traffic. The units provide cost effective tailgating deterrence by utilizing a tri-arm configuration with 3 x 120 degree movement. Units are available with or without the dropdown bar feature.

The MPS is suitable for either one-way or two-way bi-directional mode. The MPS gate can be used to compliment our Turnstile and Retractable Pedestrian barriers, especially where passage of larger items are required.
The MHTM™ MicroDrive family of barriers are the successors to our highly successful and reliable – MBE, MiB & M tS. The innovative drive technology of the MHTM™ offers low maintenance, high performance and a variety of operational modes & speeds. The drive mechanism with its integrated servo control and the compact high performance gearing provides safe and reliable operations over a long life. The MHTM™ product line is winner of the red dot award: product design 2012.

The revolutionary drive solution is complimented by the newly designed MGC control with integrated detectors. Easy configuration and set-up is supported by a large LCD display and simple user interface.

MHTM™ Features:
- 75% less power consumption
- Recyclable materials
- MHTM™ drive - maintenance free
- Improved connectivity - I/O, TCP/IP, USB, CAN, etc
- Stylish & Modern design - customisable.

With Magnetic MHTM™ MicroDrive Boom Gates, you can control access into car parks or private property where unauthorised vehicles are not permitted. Other applications include multi-storey carparks, hotel garages, caravan parks, mining sites, commercial buildings and hospitals.

Magnetic Boom Gates can be controlled by card access systems, remote control, token or coin acceptors or by simple push button. All Boom Gates include Magnetic’s unique VarioBoom arm which is ergonomically designed for faster opening efficiency. Articulated boom arms for all models are available.

MAGNETIC.PARKING
The Magnetic.Parking Boom Gates are a complete and cost effective barrier solution for parking systems.
- The Magnetic.Parking (base) model comprises of: the barrier housing; the MGC control unit; an integrated 2-channel vehicle detector module; the VarioBoom barrier from 2.5 metre lengths to 3.5 metres; and is available in our popular Magnetic Classic Orange colour.
- The Magnetic.Parking Pro model is suitable for applications requiring higher cycle times with short opening times of 1.3 seconds. The Pro model combines: the barrier housing; the MGC Pro control; an integrated 2-channel vehicle detector module; the VarioBoom barrier from 2.5 metres lengths to 3.5 metres; and a choice of either our popular Magnetic Classic Orange colour or a two-tone grey option.

MAGNETIC.TOLL
The Magnetic.Toll Boom Gates are designed for applications requiring fast speeds, maximum reliability, and can be easily integrated with different payment methods and access control systems due to the flexibility of inputs and outputs.

Opening times are 1.3 seconds to 0.5 seconds - depending on the Toll model selected.

MAGNETIC.ACCESS
The Magnetic.Access Boom Gates are an efficient solution for access control to public parking venues, company premises or other similar applications. This range is available in four models.
- The Magnetic.Access (base) model comprises of: the barrier housing; the MGC control unit; an integrated 2-channel vehicle detector module; the VarioBoom barrier from 3.5 metre lengths to 5 metres; and is available in our popular Magnetic Classic Orange colour.
- The Magnetic.Access Pro model comprises of: the barrier housing; the MGC Pro control; an integrated 2-channel vehicle detector module; the VarioBoom barrier from 3.5 metres lengths to 6 metres; and a choice of either our popular Magnetic Classic Orange colour or a new two-tone grey option.
- The Magnetic.Access XL and Magnetic.Access XXL: additional to the Access models above, these models are standard with a tall housing and straight MicroBoom of up to 10 metres.
- The Magnetic.Access Pro-H is similar to the Access XL and XXL with standard tall housing and straight MicroBoom of up to 6 metres and has the further functionality that it is especially designed for applications with a boom skirt.

OTHER BOOM GATES
Horizontal barriers are also available and these are used for traffic lane blocking systems where the turning direction for the blocking function is always opposite to the driving direction.

MINING SOLUTIONS
Magnetic’s Boom Gates offers low maintenance, high performance and a variety of operational modes & speeds. The revolutionary drive solution is complimented by the newly designed MGC control with integrated detectors. Boom Gates are constructed from aluminium & stainless steel to withstand corrosion. Our photo electric beam and acoustic sensors have been designed to detect all types of heavy vehicles.

Our Boom Gate range includes a Mine Ready Solution which has a 24volt configuration and an easily integrated solar powered alternative. Accessories for mining environments include sun/heat shields for extreme environments, boom skirts, and remote control.

Mining Solutions
Boom Gates

Magnetic Parking Boom Gate with articulated VarioBoom Arm

Magnetic Toll Boom Gate - Airport installation

Magnetic Access Boom Gate with 6 metre VarioBoom Arm

Magnetic Access Boom Gate Combined with Card Reader Bollard & Camera Posts
The Rising Step Barriers are designed to prevent unauthorised vehicles from crashing through controlled entry and exit points. Built for fast, reliable and efficient operation, these barriers are capable of withstanding high impact loads and are ideally suited for high security installations such as prisons, security centres, and in government defense facilities.

The frame and structure of the Rising Step Barriers is fabricated from heavy gauge steel, fully welded prior to hot dip galvanising, which ensures maximum protection against corrosion. The Rising Step Barrier is operated by 2 parallel high speed hydraulic cylinders. A power pack containing an electric motor-pump assembly and an accumulator is installed adjacent to the barrier in a lockable enclosure.

Accessories including traffic signals, safety beams or loop detectors are recommended and may be provided to suit specific applications.
**MPR – RETRACTABLE BARRIER**

The MPR Retractable Barrier is designed to control pedestrians entering or exiting restricted areas, usually under surveillance in low security situations. The aisle is blocked by means of a retractable triangular wing made of aluminium core construction covered by PU-foam. An acrylic glass wing is also available.

Typical applications include:
- Train Stations (Fare Collections)
- Airports
- Sports stadiums
- Museums
- Company Foyers
- Public conveniences.

Various optional access control devices such as card readers, can be accommodated on a stainless steel front panel located at each end segment of the pedestrian barrier.

**MPH – HIGH DOOR**

The MPH Pedestrian High Door has a horizontal sliding access control and locking mechanism, and is also used for areas requiring low security surveillance. The doors can be programmed to close immediately after a pedestrian has walked through, or after an adjustable time-out period. The Pedestrian High Door can be operated in “closed mode” for either single or bi-directional control.

Typical applications include:
- Airports
- Medium to high security environments
MKA - CARD READER BOLLARDS
The Magnetic Card Reader Bollards compliment our Boom Gate Range in both dimension and design. The access control unit or switches can be installed in the aluminium front plate in accordance with customer requirements.

The operating height of the control unit is designed for cars and is also available for truck height.

STAINLESS STEEL OR POWDER COATED
Our FAAC range of Security Bollards are made in Italy and designed to secure areas from unauthorised traffic. Automatic & semi-automatic bollards are operated by an electric-hydraulic drive.

Available in stainless steel or powder coated.

Typical applications:
- Apartment driveways
- Building entrances
- Sporting stadiums
- Public Access areas
- Parking lots with restricted access times
**Fixed Bollards**

**Diverse range which includes the following options:**
- Round or square profile
- Powder Coated
- Galvanised
- Mild or Stainless Steel
- Fully customisable

---

**MSL 20 Motor Drive**

**Industrial Heavy Duty**

The MSL series slide gate operator is designed for commercial and security applications where fast operating speeds and high usage is of importance. This unit can be retrofit to any slide gate.

The MSL 20 Motor Drive is a 3 phase (240V) AC induction torque motor. While 3 phase is applied to the coils U, V & W, a magnetic field is produced which results in torque being applied to open or close the gate. Power requirement is 240V single phase. The Drive system is designed for gates up to 600kg and speeds up to 600mm/sec.

Accessories include warning lights, warning signs, inductive loop detectors, PE Beams, radio controls and uninterruptable power supply.