



We Protect People & Assets

Delivering Proven Solutions for Security & Safety

Magnetic Automation



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 defence 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 a business unit of the FAAC Group.

In Australia, we have a presence in every state, with Head Office in 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.

OUR RANGE:

BOOM GATES

SLIDING GATES

SWING GATES

TURNSTILES

SPEED GATES

SECURITY RISING STEP

FIXED & HYDRAULIC BOLLARDS

CARD READER BOLLARDS

GATE AUTOMATION



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:



Sliding Gates

STG & MCG - CANTILEVER
MHG - MODULAR CANTILEVER
MTG - TRACK
MTT - TELESCOPIC TRACK



STG – High end security commercial applications



MCG – Suitable for industrial & commercial applications



MTG – Slide gate up to 20 metres, incorporating ground tracks

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 a variety of 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.

Magnetic also offers a modular cantilever gate that can be transported on a pallet and can be assembled on site without requiring specialist lifting equipment.



MHG – Modular gate



MTT – Allows up to twice the opening width into a reduced run-off space

Bi-fold Speed Gates

MSGB - SPEED VEHICLE GATES



MSGB – Bi-fold Speed Gate

The MSGB Bi-Fold Speed Swing Gate operates significantly faster than a conventional swing gate. It provides maximum control of vehicular passage at security access points. These gates are designed for high end commercial and industrial applications particularly where opening space is limited.

Magnetic's variable speed drive system incorporates a 3 phase drive motor with PLC and inverter control. Under power failure conditions the gate can be easily released for manual operation.

The MSGB Bi-Fold Speed Swing gate allows for single leaf spans of up to 4 metres. Powder coating is optional and the design can be customised to suit specific applications and site requirements.

Swing Gates

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 PEDESTRIAN

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.

MRGS - RAILWAY STABLING GATE

Magnetic has developed a high security gate design for train and tram stabling yards. The purpose of the gate is to prevent vandals and pedestrians accessing trains when they are not operational.



Customised MSG combined with Card Reader Bollard & Collision Bollard



MRG - Railway application



MSG – Pedestrian Swing Gate



MRGS Railway Stabling Gate

Light Weight Gates

MTL – LIGHT WEIGHT TRACK GATE MCL – LIGHT WEIGHT CANTILEVERED GATE



MCL - Cantilevered gates do not require either ground or above ground tracks

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.



MTL - Suitable for light commercial applications up to 7 metres in length

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.

Turnstiles 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.



MPT Turnstile – Fully risk assessed

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 complement our Turnstile and Retractable Pedestrian barriers, especially where passage of larger items are required.



MPS 112 with stainless steel, IP32 & glass wing option



MPP 212 – Stainless steel 304 with protection class IP44



MPP 222 Tripod outdoor application with MPP 212 Short Tripod

The MHTM™ MicroDrive family of barriers are the successors to our highly successful and reliable – MBE, MIB & MTS. 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 car parks, 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 unit which provides the capability of a higher throughput of vehicles; 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 0.6 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 2 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.



Solar Solution

Boom Gates



Magnetic.Parking Boom Gate with articulated VarioBoom Arm



Magnetic.Toll Boom Gate



Magnetic.Access Boom Gate with 6 metre VarioBoom Arm



Magnetic.Access Boom Gate Combined with Card Reader Bollard & Camera Posts

MRS

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 defence facilities.

The MRS1000 has been tested to an impact strength of 64km/hr per 7.5 tonne.

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.



Government Application

Solar Solutions

SOLAR

Magnetic Automation can tailor a 24volt configuration solar solution for individual site requirements. Other options include an IP65 rating for the MPT Full Height Turnstile to further protect against dust and water.



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

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.

MPW - WING BARRIER

The key component of the MPW series is the direct drive system with the MHTM™ motor. No additional gear-box is required. It offers numerous benefits including quiet operation, small dynamic forces, impact detection, and fastest opening / closing times.

Passengers travelling inside the gate are observed by 12 pairs of PE beams. They detect and prevent attempts to defraud such as intrusion, wrong-way and tailgating. In combination with the low impact forces, the PE beams provide a high safety level. To prevent any attempts to force the doors open, they are blocked by electromagnetic tooth-brakes in the closed position. In case of power failure or an emergency the wing doors are pulled open by springs.

Typical applications include:

- High frequency throughput public areas
- Train Stations (Fare Collections)
- Sports stadiums
- Museums
- Public conveniences



MPH - High Doors suitable for medium to high security environment



MPH - Glass High Door in a company foyer



MPR - Medium-High throughput in a company foyer



MPW- High volume environment

Card Reader Bollards

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.



Custom designed card reader bollard



Bollard head with no extension



Car height with access control



Car & Truck Heights with security cameras



Incorporating access control



High Security Airport application



High Security dual height

Security Bollards

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. A crash rated range is also available.

Typical applications:

- Apartment driveways
- Building entrances
- Sporting stadiums
- Public Access areas
- Parking lots with restricted access times



Security application outside corporate office



Profile of Stainless Steel Automatic Bollard

Fixed Bollards

FIXED BOLLARD

Diverse range which includes the following options:

- Round or square profile
- Powder Coated
- Galvanised
- Mild or Stainless Steel
- Fully customisable



Fixed Round



Fixed Round Concrete Filled



Fixed Round protective and dual height card reader bollard



Fixed Round in high security application



Fixed Round



Fixed Square Protective

Gate Automation

MSL 20 MC MOTOR DRIVE

MSL 20 MCE MOTOR DRIVE

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

The MSL 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 1,500kg and speeds up to 600mm/sec.

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



Internal view MSL 20 MCE Motor Drive



MSL Motor Drive installation

Magnetic Automation Pty Ltd

National Sales & Service: 1300 364 864

Head Office

38 Metrolink Circuit
Campbellfield VIC 3061

☎ +61 3 9339 2900

✉ info@magnetic-oz.com

🌐 www.magneticautomation.com.au

New South Wales

Unit 1/24 Prince William Drive
Seven Hills NSW 2147

☎ +61 2 9421 8800

✉ nswsales@magnetic-oz.com

🌐 www.magneticautomation.com.au

Queensland

Unit 2/8 Riverland Drive
Loganholme QLD 4129

☎ +61 7 3801 2100

✉ qldsales@magnetic-oz.com

🌐 www.magneticautomation.com.au

Western Australia

Unit 2/27 Townsend Street
Malaga WA 6090

☎ +61 8 9205 9900

✉ wasales@magnetic-oz.com

🌐 www.magneticautomation.com.au

A business unit of the

