



Residential Gates

Bespoke residential gates proudly manufactured by a family firm with high quality and exceptional service as standard

Established in 1985

For the past 38 years Hi-Tec Controls (Bolton) Ltd has endeavoured to provide high levels of customer service, by installing the highest quality products and providing extremely good value.

We are fortunate to have a dedicated team who care about their work and maintain the excellent reputation of the business.

We are extremely grateful to our customers who have stayed with us for all our years in business, and continue to recommend us to family and friends.

Jonathan M. Wicklen

Managing Director



Choosing the right type of gate

Typically there are two types of gates: traditional **swinging** (or hinged) gates, and **sliding** gates. All designs can be interpreted into a matching pedestrian gate that can be controlled either with a handle set or magnetic lock. We offer a free, no-obligation quotation and site survey, so that we can advise the best type of gate system for your requirements.

Swinging Gates

Hinged gates normally swing in-towards your driveway, and sometimes can restrict the amount of parking or space on your drive.

The gates can either be fixed to stone or brick pillars, or be installed on new steel posts.



Sliding Gates

Sliding gates can help you maximise the space on your drive. Depending on the existing/proposed ground levels, the gate can either run along a track or counterbalance over the ground.

With the tracked gates, you require a runback of the opening plus half a metre. For cantilever gates, as a rule of thumb it is the opening plus 30% and 1m (so for a 4m opening you require 6.2m space).



Installation

We use our own engineers to install, wire and commission the systems - unlike other companies that use a mixture of electricians and sub-contractors.

All our engineers receive regular product training, including training on new products and systems. We only install products that have been tried and tested, and can advise on the best type of automation to meet your requirements.

After installation, all our systems are force tested and CE marked, in order to give you piece of mind that they have been installed to meet all safety requirements and standards.



Service and Repair

Similar to cars and machines, automated gates do require regular maintenance. This is also a health and safety requirement. All new installations come with a complementary free of charge service when the system is 12 months old.



Afterwards our service team are on hand to offer you annual preventive maintenance on the system. It is the same team who are here to help with any problems or queries with your system.

Our service engineers can attend site and diagnose and rectify any faults with your system.

Any equipment installed, we pass on the manufacturers warranty to the customer. Which for the first 12 months includes labour. Afterwards any labour to diagnose/rectify faults would be charged at our standard rates*

If you have any questions about the automation or access control will have specified and its warranty please speak to your sales person.



Aluminium Gates

Each set of gates are manufactured to suit your exact requirements, with lots of colour combinations and finishes.

The gate designs are constructed using a screw and cold weld epoxy adhesive process. The corners of the gates are re-enforced. For automation, extra strengthening sections are installed in either the bottom rail or introducing a mid rail.

You have different options for the aluminium planks: 30x16, 26x16, 100x16, 150x16, 200x16. These can be installed with gaps in between, vertically, horizontal or diagonally. The finishes come with a 10 year warranty. This does not include the hinges, automation or access controls. To maintain the finish the gates should be washed with soapy water twice a year.

The standard colours have a structure finish, providing the ultimate in scratch and abrasion resistance. Other colours are available extra costs apply. After the CAD design has been approved a colour sample will be issued for final approval.



▲ Grey gates, with top section louvred



▲ Grey frame with wood effect boards

- ▲ Perspex panels can be added to a design, complete with frosting and vinyl lettering.
- ▲ Consideration should be taken when installing fully boarded gates in windy open areas, especially when installed in close proximity to coastal locations.
- ▲ Extremely low maintenance
- ▲ Matching pedestrian gates, complete with handle sets and self-closing hinges
- ▲ Waterjet cutting designs available



Driftwood



Light Oak



Royal Oak



Southern Cherry



Savannah Oak



Kwilla



Teak Brown



Black Ash



▲ Posts can also be wood effect



▲ Gates with a silver trim detail



▲ Gates with louvred infill.



▲ Aluminium gates with open sections

Arch-top Gates

With the arch-top gates, we have to use an alternative supplier for the aluminium sections. So we cannot offer wood effect boards, unless we manufacture a steel frame for them to be fixed into.

With the sloped topped aluminium gates, the frames (140mm by 60mm section) are TIG welded. Not cold welded like the straight topped gate designs.

The sloped top designs can have 150mm wide boards, vertical or horizontal. They are designed to look similar to the traditional wooden gate shaped designs.

The gates can be powder coated a wide range of different colours. Offering a 5-year warranty on the finish and a 10 year warranty on materials and construction (subject to our terms and conditions).





Aluminium Sliding Gates

Aluminium is an ideal material for sliding gates, due to its weight and strength. Also because of its properties aluminium never moves or warps. Sliding gates come in two versions: cantilever and bottom tracked.

We would check the ground levels of your entrance and draw up a design, showing the maximum opening, clearance gaps for your approval/comments prior to manufacture.



Cantilever Sliding Gates

- ▲ Using specially designed carriages, these counterbalance the gate over the ground
- ▲ Wide range of designs
- ▲ These require a much longer runback, due to the design having an overhang on the back of the gate approx. 2-3m long
- ▲ A large concrete foundation is required to support the weight of the gate
- ▲ Minimum 90-100mm gap underneath the gate
- ▲ Less maintenance, and not affected by frozen water like bottom tracked sliding gates



▲ Top open section and bottom boarded



▲ A traditional five barred design made into a sliding gate



▲ Bottom tracked aluminium sliding gate, powder coated to match the new doors and windows.

Bottom Tracked Gates

- ▲ Run along a rail in the ground, using special ground track it is level with the FFL meaning no trip hazard in the opening
- ▲ Wide range of designs
- ▲ Don't require as much runback as a cantilever sliding gate
- ▲ Does require the opening and runback to be level, so isn't ideal for some driveways
- ▲ Because the driveway has to be excavated, means more disruption to the existing driveway finish
- ▲ Only 25mm gap underneath the gate



▲ Grey aluminium sliding gate



▲ Inside view of the gate showing the track



▲ Grey frame with wood effect boards

Ornate Gates

Here at Hi-Tec Controls we take great pride in our craftsmanship. We source only the finest raw materials and all our gates are carefully made by our own team of 'time served' craftsmen in our own workshop.

No two commissions are the same, and each is made to the individual wishes of our discerning customers. Before any part of the gates are made, our designers will work closely with the customer in order to establish their exact requirements.

Designs are produced using CAD software to ensure total accuracy. Steel gates and posts, are hot dipped galvanised prior to being powder coated. We can offer both swing and sliding gate options.





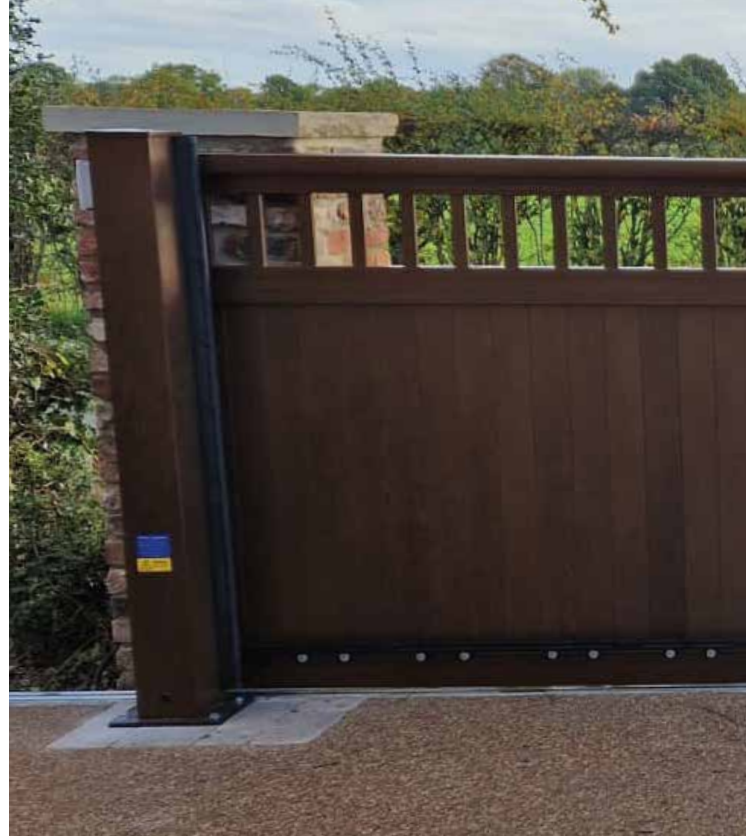
▲ Single leaf ornate gate with sloping bottom rail

Automation

The majority of automation systems are designed and manufactured in Italy and most manufacturers offer a 2-3 year parts warranty. Our sales advisor will be happy to recommend the correct type of automation necessary, taking into account the environment, usage and design of the gate(s).

All our systems are designed to be compliant and safe, and we include for the required safety edges (pressure strips) safety photocells, warning indicators and signage.

Depending on the design and size of the gates, we also fit magnetic locks with a holding force of 600kg, assisting with keeping them locked in the closed position.



Sliding Gate Automation

With sliding gates, all the motors have to be above ground as they make contact with the gate using a drive rack. With lighter, smaller (up to 5m opening) gates, the motors can be housed within an aluminium post. Making them invisible, but accessible by removing the lid.

Larger gates have a bigger motor, usually rated for 1500/2000kgs. These motors have a built in LCD control panel to help setup and diagnose faults.

All the sliding gate operators used are designed for commercial or industrial usage. They have the option for pedestrian opening, so only open 1-1.2m before timing out and closing.



▲ For sliding gates, we can install hidden motors



▲ Aluminium gates with underground operators



▲ Bottom tracked aluminium wood effect sliding gate



▲ Swing gates with underground operators



▲ Swing gates with above ground automation



▲ Swing gates with above ground automation

Swing Gate Automation

The two main types of automation are under-ground and above-ground. Both types are low voltage - this is so that they can be programmed to detect obstacles when the gates are in motion. Using clever technology they can determine if the obstacle is an object or high winds. They both can be manually overridden in case of a power failure and this would be demonstrated on handover.

Typically the opening and closing speed of the gates can be between 8-22 seconds.

The above ground operators are designed to be fixed to a mid-rail of the gates, they use 24v technology and are hydraulically operated. Being hydraulic they are less affected in cold weathers, compared to mechanical worm gear types.

Underground operators are designed to be installed in the ground, and require good drainage to ensure longevity. Depending on the weight and length of the gate leaves, the operators can either be hydraulic or mechanical. The operators are designed and manufactured to be installed in the ground underneath foundation lids.

Access Control

Your new gates and automation are only half of the story - you need to think about who is going to use your new system and how you want to control visitors and contractors. Don't forget about the postman either! We can discuss if you want a pedestrian gate, letterbox within the gate design or fixed to a matching infill panel.

Every system comes complete with hand held remotes, these remotes are encrypted and have to be programmed via some special software here at our offices before they can work. This also means that if you require additional remotes, there isn't a callout charge to program them up! And if you lose your remote, you can contact us and we send out a replacement. When you receive your new remote, as you press the button it automatically deletes the old remote (you do need to make note of the number of each remote). We can also offer video intercom systems complete with internal tablets and touch screen monitors.



▲ Pedestrian gate with a built in letterbox



▲ Videx GSM Intercom with backlit keypad

To Enter

Videx GSM intercom (with or without keypad), this gives you the freedom to answer calls from your gate from any telephone including your mobile (up to three divers). The unit does require a sim card (to be provided by the client) as it works like a mobile phone.

Features include

- ▲ Program multiple dial to open numbers, so you can ring the gate(s) to open them
- ▲ Program up to 400 permanent access control codes
- ▲ The option to program temporary or trade codes
- ▲ Built in time bands, so you program what time the unit can dial out for visitors.





▲ Aluminium gates with magnetic locks and letter box

To Exit

You have to think about how you want to let your visitor/contractor back out if you have let them in. Your hand held remotes can be used, or you could always dial the GSM intercom to let them out.



▲ Electric shoot bolt for increased security

Other options

- ▲ Exit keypad, this can either be standalone or one that works with the Videx GSM intercom (meaning you can change the code via the app).
- ▲ Free exit induction loop, this can only be installed into tarmac or concrete driveways. Unless you are planning to have gravel, in which case it can be installed within plastic conduit. We always advise to have the loop controlled via a timeclock, so it is in-active at night (just in case anyone attempts to leave with a vehicle they don't own!).
- ▲ Free exit sensor, a new technology introduced. The sensor is fixed to an internal post, and can be setup to detect a vehicle approaching. You have the option to disable the unit to detect pedestrians.

Why choose Hi-Tec Controls?

- ▶ Family run business
- ▶ Gate and barrier specialist, stick to what we know
- ▶ Fully qualified electrical and mechanical engineers
- ▶ DBS checked onsite engineers
- ▶ Personal account managers
- ▶ Full project management
- ▶ DHF Accreditation
- ▶ Full after sales service department, to help look after your gates for years to come
- ▶ CAD design for approval/comments prior to manufacture



A set of gates at the entrance of your house will enhance the appearance of your property and will also help to provide a secure environment for you and your family. We hope this brochure has given you an insight into our company and the services we are able to offer. However, should you require any more information please do not hesitate to contact us directly and we will do all we can to help.

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