

## DEFINING NEW STANDARDS IN SWING AUTOMATION

X-GATE™ began its operations 20 years ago with a clear direction and mission that is, not only to design, manufacture and distribute the highest quality **Swing Gate Automation System** but also to provide the most excellent customer service and technical support in the markets we serve. Over the 20 years of operation, we have researched and field-tested various technologies that will bring our products to a higher level of quality and customer satisfaction. Through intensive and state-of-the-art R&D approaches, X-GATE™ has developed a methodical approach in designing and manufacturing our automatic gate systems. Such methods are reflected in:

- Research of market conditions and customer's needs.
- Design and innovation of firm fundamentals that provide a secure base for the gate systems.
- Sophisticated selection procedure for equipment best suited to gates, functionality, durability and aesthetics purposes.
- Sophisticated selection procedure for materials of highest quality to ensure product durability and firmness as well as aesthetics rationales.
- High technology environment and procedures for manufacturing line.
- Rigorous quality testing and control procedures to ensure product safety and standards conformance.
- Customized and tested procedures for engineers' training and technical support.

Merging these essential elements together, X-GATE™ is able to achieve automatic gate systems that are practical, reliable and of unsurpassed value for customers across all nations. The result of such intensive and dedicated effort is reflected in the **X-GATE™ Automatic Swing Gate System**. This system is designed and manufactured to be highly reliable and of unsurpassed value to our customers. It is also our objective to produce the most superior Swing Gate Automation System in the markets that we server. Together with our team of professional installers, we will provide a solution that best fits your needs. All X-GATE™ systems are U.K. Patent<sub>(19)</sub> GB<sub>(11)</sub>2269428<sub>(13)</sub>B.



**Innovative**

**Customers Satisfaction**



**Dynamic**



**Productive**



## TECHNICAL SPECIFICATION

### ACTUATOR

A torque limiting drive unit with DC motor, speed reducer and Nylon Bush, which grips between an output shaft and arm connected to a gate. The pressure exerted by the bush and the shaft is adjustable by radially tightening the bush with screws system.

Motor Voltage Rating	• 12-24V Direct Current, (D.C)
Power Consumption	• 25 watt per Actuator
Motor Rated Load Speed	• 4200 rpm
Insulation Resistance	• 1.5 mega ohm
Closing Speed (from 90 angle)	• 6 – 8 sec
Max. Leaf Opening Angle	• 180°
Max. Leaf Weight Allowable	• 200kg
Driving Shaft	• Nickel Chrome Plated Solid Steel Shaft
Casing	• Waterproof and rust resistance cast alloy
Trust Force	• = 50kg
External Dimension	• 255mm(L) x 240mm(W) x 125mm(H)

### ACTUATOR ARM & BRACKET

Type	• Nickel-chrome plated mild steel
Arm Dimension	• 485mm(L) x 25mm(W) x 5mm(H)

### CONTROL PANEL (5 AMP FUSE)

Power supply is step down to 24V direct current to operate control panel, receiver, motors and electronic lock

Power Supply	• 230VAC, 5Amps, 50 Hz
Motor Output	• Two speed gate control 24V D.C. for fast speed and 12V D.C. for slow speed control by timer
Normal Operation	• One or two gate-leaf control by the indoor push-button and remote control
Battery backup with charges (Optional)	• Automatic lighting control available
External Dimension	• 310mm(L) x 250mm(W) x Depth-60

### TRANSMITTER & RECEIVER

Type	• Battery-operated, crystal controlled frequency. Modulated radiowave
2 Channel/ Remote Control	
Range	• Effective-40m
Passcode	• Set by 8X3 ways switches easily accessible and changed by owner
Battery	• Under normal usage, a 12V battery should last 6 months
Case Size	• 50mm(L) x 35mm(W) x 12mm(H)

**Authorised Business Partners:**



# Defining New Standards IN SWING AUTOMATION



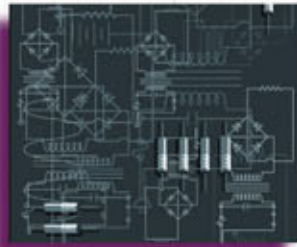
## OUR COMMITMENT TO EXCELLENCE

Today, X-Gate™ is one of the leaders in the gate automation systems manufacturing for the global marketplace. Progressive technologies, innovative R&D methodology, highly reliable computer-aided design and manufacturing, efficient logistics systems and servicing experts uniquely position us to supply realible systems that fuel immeasurable potentials for our customers' success.



### INTENSIVE R&D

Our R&D activities integrate cutting-edge technologies while applying customers' expectations and field testing results. Through close collaboration between R&D technicians and field staff, we aim to produce real world products that are revolutionary and practical at the same time. The constant flow of information from engineers, installers, technicians and end-users also enable us to develop products that are highly reliable and at the same time reflects today's ultra modern lifestyle.



### Robust CAD/CAM

Our engineers employ the latest and most robust CAD/CAM software and tools to enable highly precise products, faster cycle times, increased innovation, greater customer involvement, improved marketing decisions, facilitates the use of rapid prototyping technology and to leverage investments in CAD/CAM systems. These benefits are passed to our customers in terms of high quality and practical products, lower costs, more value for money and highly innovative products that meet the demands of today's modern way of living.



### STRINGENT QUALITY CONTROL & TESTING

X-Gate™ Quality Control and Testing process covers all important areas of the product, business and customer requirements. These include functional, load and stress, performance, usability, safety and standards compliance testing. Through such a rigorous testing process, X-Gate™ assures our customers of our commitment to their needs and satisfaction.



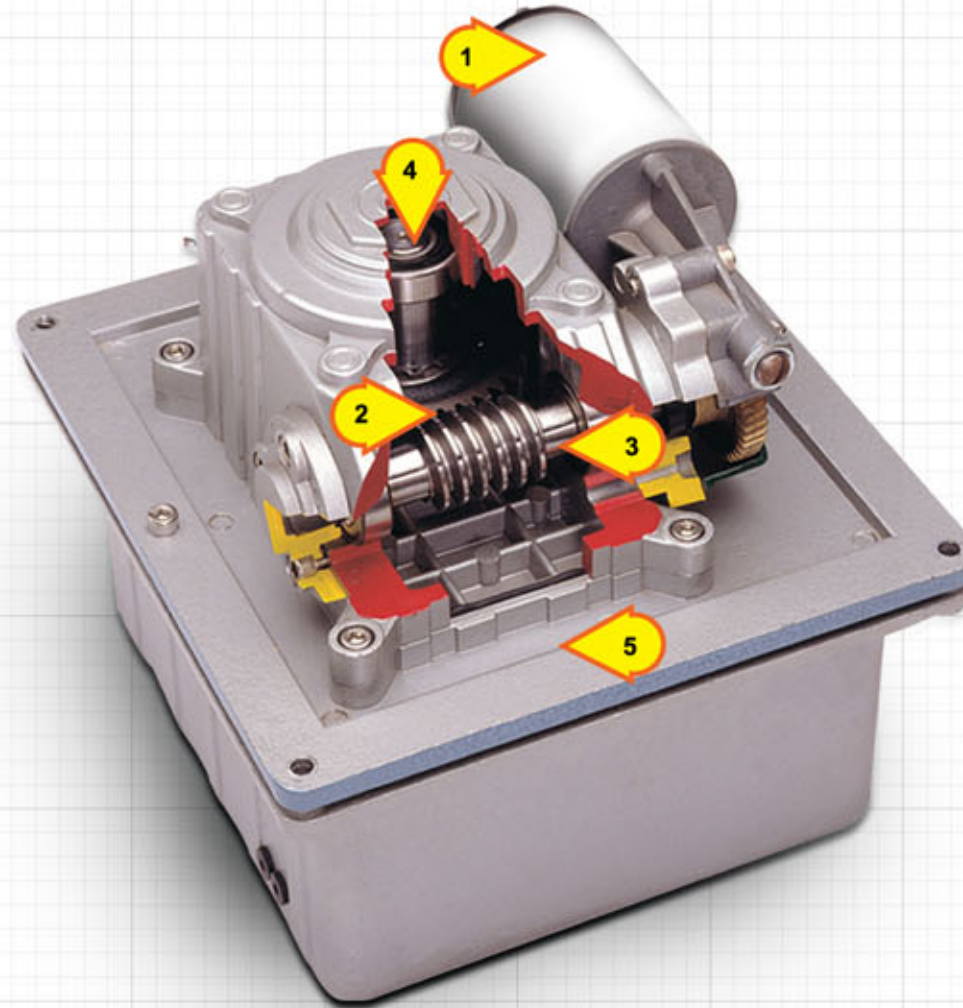
### EFFICIENT LOGISTICS & OPERATIONS

Through the employment of sophisticated logistic and warehousing systems, X-Gate™ is able to optimize the distribution networks and thus reducing transportation costs. This means that our customers will be able to enjoy speedy delivery and at a lower cost regardless of their location in the world. With such sophisticated systems and a coordinated team of dedicated staff, we are able to maximize our service levels and deliver new values to our customers throughout our supply chain.



## SWING GATE SYSTEM MICRO-COMPUTER AUTOMATIC CONTROL

Each X-Gate™ is made of 1st class and carefully selected materials and parts to extend the product's life thereby giving greater value for money. Empowering the evolution of security and automation industry, X-Gate™ products improve the quality of lifestyle and safety; eliminate hassles and inconveniences and bring the ultra modern living lifestyle to your homes.



### 1. Spur Gear Motor Technology

The spur gear motor technology allows for ultra smooth and quiet swing operation. It also allows for quality performance with minimum maintenance.



### 2. High Quality Copper Gear

Solid Copper Gear provides for smoother swing operations as well as longer durability. This high grade copper gear greatly reduces maintenance needs and servicing needs.



### 3. Nickel Chrome Plated Solid Steel Shaft

The use of nickel chrome plated solid steel shaft supports the usage of large and heavy gates.



### 4. First-Class Quality Bearing

The use of this 1st class grade bearing ensures less friction during swing operation thereby enabling smoother swing operation. It also provides for heavy and intensive swing operation for high frequency of close and shut of gates.



### 5. Waterproof and Anti-Rust Alloy Casing

The solid, waterproof and anti-rust alloy casing is most suitable in sustaining harsh weather conditions such as heavy rain and flood. The casing is also built to securely protect internal mechanisms from all sorts of corrosions and other underground conditions.



### 6. Cutting-Edge Microprocessor with X-Motion Technology

Advanced microprocessor with X-Gate's proprietary X-Motion technology empowers features such as a self optimizing force adjustment, progressive breaking at travel ends and intelligent soft stopping motor. This gives the unit a longer life, quieter operation and less maintenance needs.

## ACCESSORIES



X-Gate Motor



X-Gate Microprocessor Control Board



Security Cam Lock



Remote Control Device