

Retractable Gate

Automatic Series

电动伸缩门



Retractable Gate Automatic Series Introudction

Why Choose Southtech?

- **Local Malaysian Supply & Technical Support**
- **Professional Installation & System Commissioning**
- **System Integration Expertise**
- **Troubleshooting & After-Sales Support**
- **Preventive Maintenance Programs Available**
- **Ready Spare Parts Stock in Malaysia**
- **Site Survey & Technical Consultation Available**



Retractable Gate

Automatic Series

Introudction

Secure & Durable Design

Available in Aluminium Alloy and Stainless Steel constructions, combining strength, durability, and modern aesthetics for various applications.

Flexible System Integration

Available in track-mounted and trackless configurations, with support for access control systems, license plate recognition, mobile applications, and other smart security solutions.

Complete Local Support

As a Malaysian-based company, Southtech provides supply, installation, system integration, troubleshooting, after-sales support, and preventive maintenance services.

Site Requirements

For optimal performance, the installation area must be flat, level, and structurally sound. G30 concrete or above is recommended, while interlocking pavers and damaged surfaces are not advisable.

Advanced Safety Protection

Equipped with anti-collision, anti-climb, overload protection, manual release functionality, and other safety features to ensure reliable and secure operation.





Retractable Gate

Automatic Series | Aluminium Alloy

Product Model

RA03W-A (White Bright Gray)

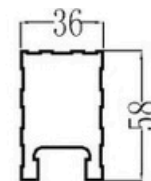
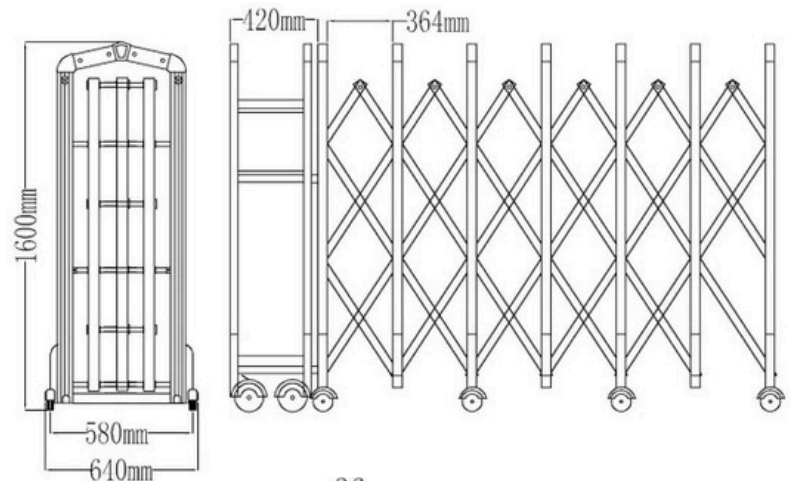
RA03B-A (Black)



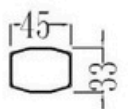
RA03W-A (White Bright Gray)



RA03B-A (Black)



Main material
58*36*0.9mm



Vice material
45*33*0.9mm

Retractable Gate

Automatic Series | Aluminium Alloy

Product Specification

RA03W-A (White Bright Gray)

RA03B-A (Black)

Specification	Material	Powder Coated Aluminium Alloy 6063-T5
	Color	White Bright Gray / Black
	Height (mm)	1600 / 1800 / 2000 / 2200 / 2400 (Customization)
	Width (mm)	640
	Motor Width (mm)	420
	Expansion Ratio	1 : 0.16 + 0.42
	Main Material (mm)	58 x 36 x 0.9
	Vice material (mm)	45 x 33 x 0.9-1.2 (Customization)
	Thickness (mm)	0.9-1.2 (Customization)
	IP Pating	IP44
	Wheels	PA66 Injection
	Internal Bearing	SUS201 Cylindrical
	Moving Speed	12-15m / min
	Control Device	Dekstop Wireless Control Box & Remote Controller
Motor	Power (W)	420 / 450 / 750
	Starting Capacitor (μF)	16-18 / 18-22
	Output Torque (N.m)	23 / 25 / 45
	Output Speed (RPM)	46.6
	Ambient Temperature	-35 °C ~ +55 °C
	Insulation Grade	B

Retractable Gate

Trackless



Navigator magnet



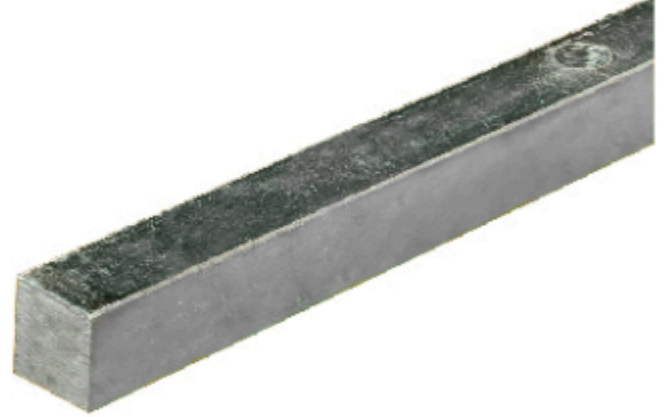
Limit magnets



Trackless System – Magnet Installation

The gate is guided by embedded navigator and limit magnets installed beneath the ground surface. This innovative system eliminates the need for ground tracks, providing smooth operation, accurate positioning, and a cleaner installation appearance while reducing maintenance requirements. Recommended for gates with lengths up to 15 meters and standard heights of 1.6m to 1.8m.

Retractable Gate Track



Square Steel Track

The square steel track provides additional guidance and stability for larger gate systems while maintaining a cost-effective installation. Suitable for sites with moderate to heavy vehicle traffic, approximately 20 tones. Recommended for gates exceeding 15 meters in length and heights of 1.8m to 2.0m.



I Beam Steel Track

Recommended for extra-long gates, taller gate designs, and locations with higher wind exposure. The heavy-duty I-Beam track offers superior structural strength, enhanced wind resistance, and maximum operational stability, making it ideal for demanding industrial applications. Suitable for vehicle loads up to approximately 40 tones.

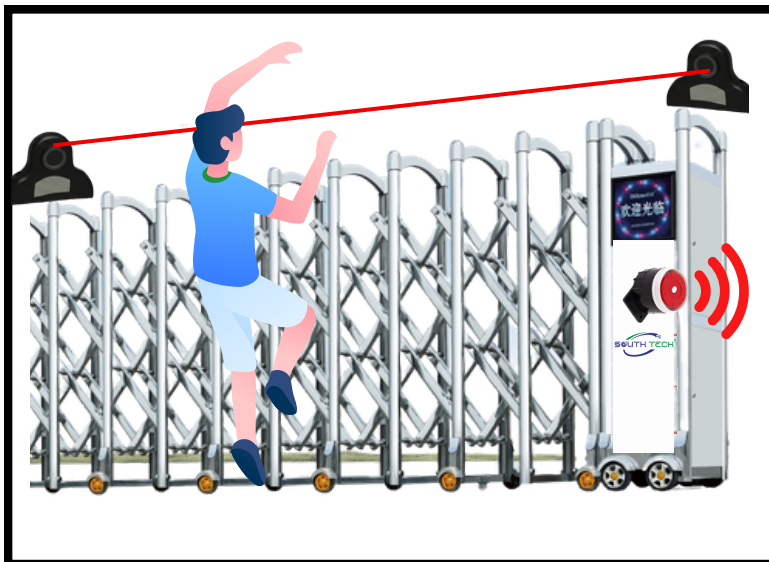
Retractable Gate

Safety Protection



Anti-Collision Sensor

The automatic retractable gate is equipped with intelligent infrared sensors that continuously monitor the gate's path. If a person, vehicle, or obstacle is detected within approximately 20–30 cm during closing, the gate will automatically stop and reverse direction to prevent collision and ensure safe operation.



Anti-Climb Sensor

When the gate is fully closed, the anti-climb protection system is automatically armed. Any unauthorized climbing or tampering attempt will trigger an alarm, providing an additional layer of security for the protected area.

Retractable Gate

Internal Components

Inside Motor Casing



- Fifth generation control box



- Hidden trunking

- High-end motor



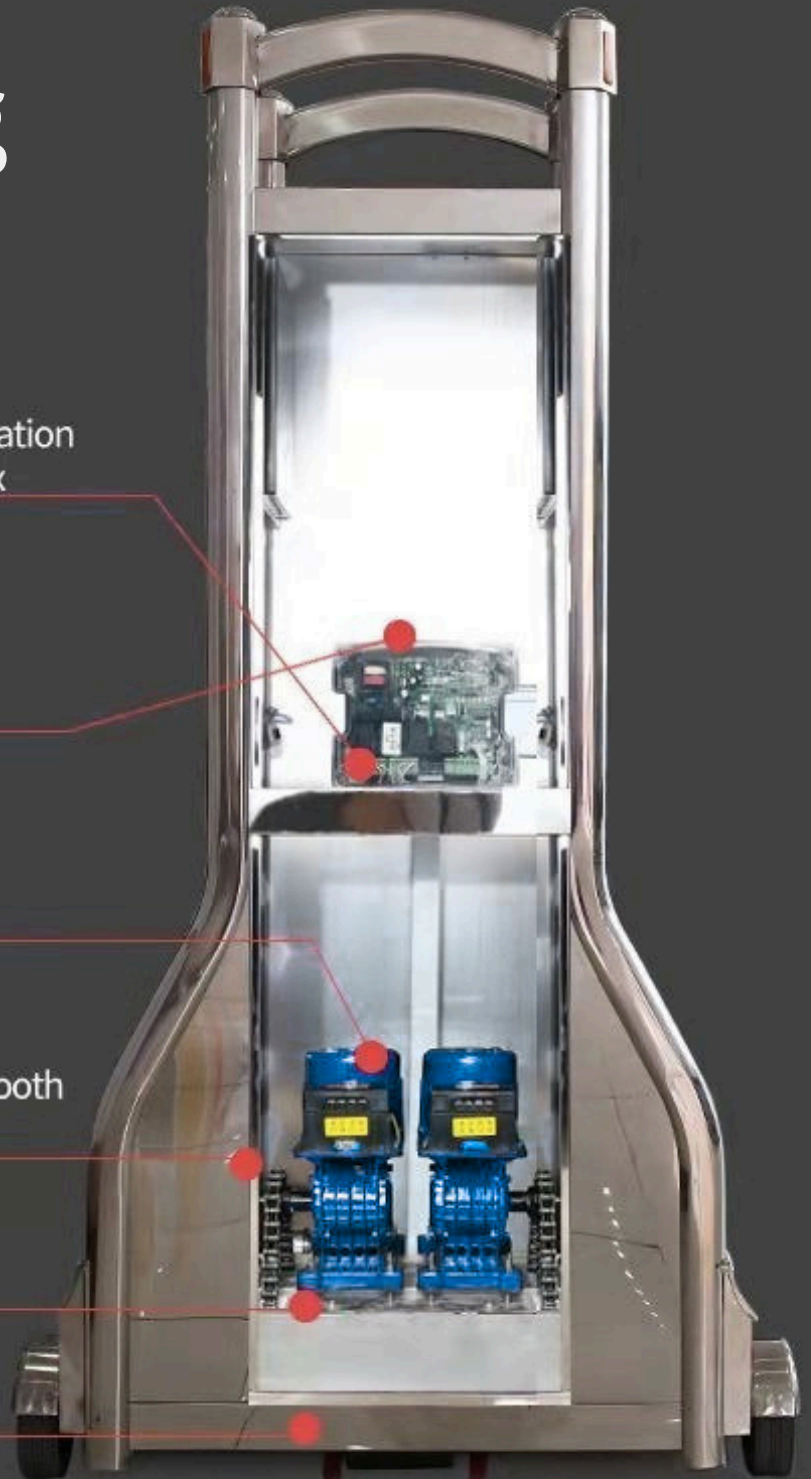
- Five points 11 tooth sprocket



- Stainless steel very plate



- Navigation sensor



Retractable Gate System Components

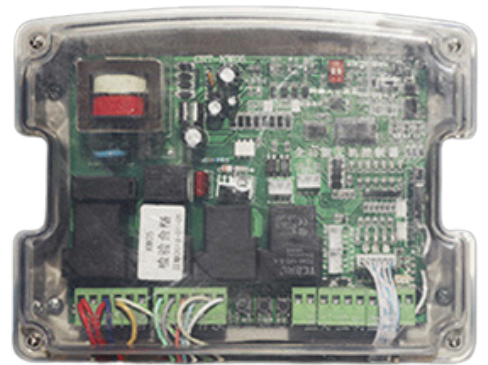


Motor

Powerful motor designed for effortless opening and closing of retractable gates with stable performance and long-lasting durability.

Control Panel

The brain of the system, ensuring stable performance and precise gate operation.



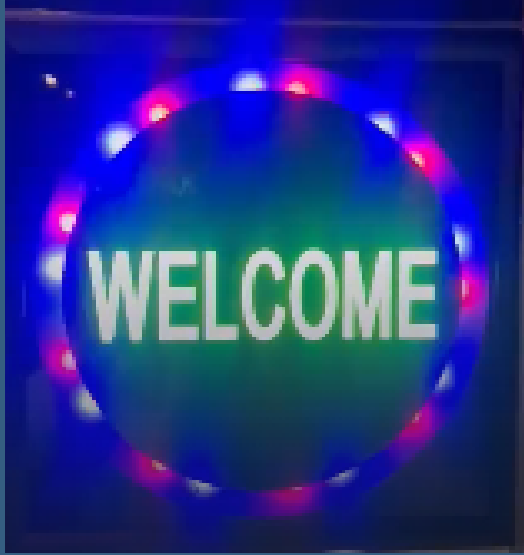
Wireless Controller

Wireless desktop controller with 2 portable remotes for easy gate operation within 15m.



Retractable Gate

Product Highlights



LED Message Display

Provides clear greetings and safety reminders to visitors and drivers.

Enhanced Night Visibility

Reflective material helps make the gate more noticeable after dark.



Optimized Wheel System

Cast aluminium wheels at the motor drive section for durability; PVC wheels at the rear gate section for smooth and quiet movement.





Retractable Gate

Selected Project References



TNB, Pintu A
Bangsar



TNB, Pintu C
Bangsar



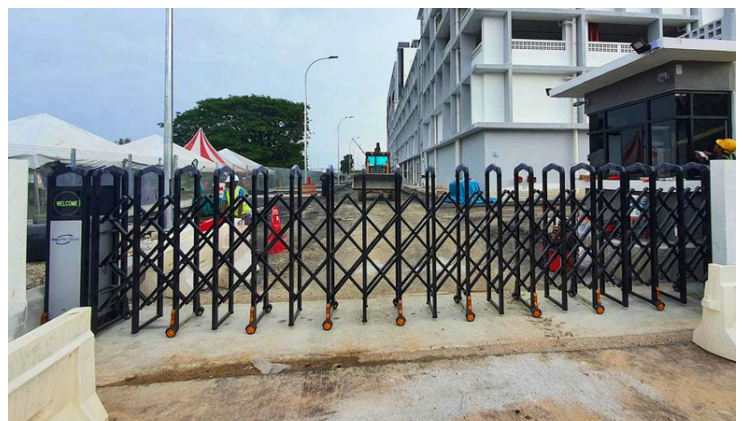
Agribiz International Sdn Bhd
Elmina Shah Alam



Balai Bomba
Kelantan



Teknos
Pasir Gudang, Johor

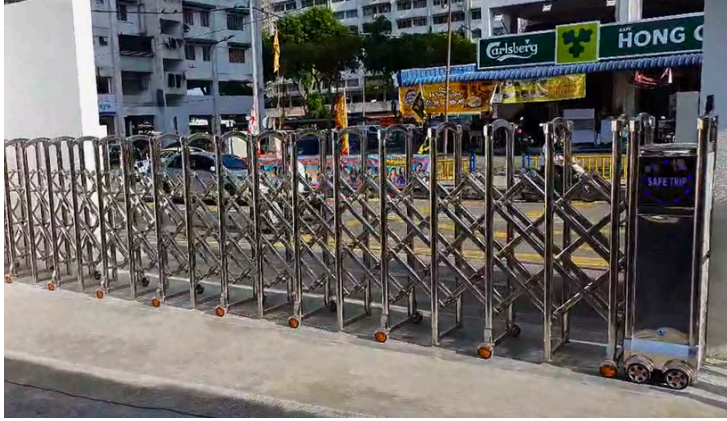


Amazon
Penang



Retractable Gate

Selected Project References



SJKC MOH GHEE PUSAT
Penang



DHL Warehouse
Penang



Wipro Warehouse
Kajang



Proton Show Room
Kulai, Johor



PMW Factory
Lahat, Perak



Fuji Seat
Rawang



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