

SMART WINDOW CONTROL

- Smoke Ventilation Systems
- Electric Window Actuator Systems
- Pneumatic Smoke Ventilation System
- Sun Shading Systems
- Manual Opening Systems



Guangdong Kinlong GTI Mechatronic Window Control System Company Limited

Factory Building:



Showroom:





Production Area:





COMPANY PROFILE

KIN LONG Company is established in 2003 and engaged in research, development, manufacture, and marketing of fittings for architectural hardware. KIN LONG supplies fittings of high quality and provides consulting services to the architectural industry. Through many years' development, KIN LONG achieves a good reputation in construction industry and IPO on the SME board of Shen Zhen Stock Exchange successfully, KIN LONG has become the largest listed company in the construction hardware industry. Stock Abbr. "KIN LONG HARDWARE" Stock code "002791".

KIN LONG has the factory over 700,000sq.m. construction area, employees is exceeding 14,000 and 50+ subsidiaries at present. With developing of 600 sales point in China and oversea, its products have distributed through China and exported to more than 100 countries and areas.

KIN LONG focuses on the development direction of integrated supply of building accessories, meets customer needs with multiple categories of products, and has formed a one-stop service system. " Only professionalism can create unique value, and speculation has no future", this motto runs through all levels of KIN LONG employees.

In addition to adopting advance production technology, KIN LONG also has the expert and designer team for product research, development and innovation to ensure our products are always at the leading level. KIN LONG has more than 20,000 products and over 1,000 domestic and foreign patents. The products provided by KIN LONG have established a good market reputation with advanced design concepts, exquisite appearance and excellent quality. It provides products and services for many famous buildings around the world. The landmark buildings of countless cities have become the pride and glory of KIN LONG people. KIN LONG is always a responsible and trustworthy partner in supplying fittings for architectural hardware.

Guangdong Kinlong GTI Mechatronic Window Control System Company Limited (in the following abbreviated "Kinlong GTI" is a joint venture company of GTI (Hong Kong Automation Group and Guangdong KIN LONG Hardware Products Company Limited and have the ability of research and development, production and marketing of automatic window & door system. Kinlong GTI has established system of R&D, product testing and quality control units. Core material and components are purchased from renowned supplier and/or imported from oversea reputable suppliers. All incoming material and components must pass the quality verification process. Kinlong GTI has two production facilities in Mainland China and Hong Kong. Kinlong GTI offers an extensive range of products including intelligent window control system, electrical window actuator, pneumatic window actuator, manual window actuator and sun-shading system.

Kinlong GTI has passed the UKAS ISO9001:2008 system certification in 2008. By continuously improving our technology and standard, the products' quality has reached international level and obtained international qualifications. Kinlong GTI has been certified by many international standard institutions. Certificates and qualifications are as follow:

CE Certificate; Certificate from the BS EN12101-2:2003 Annex G Smoke and Heat Control Systems; ISO9001:2015 Certificate from UKAS Quality Management System Certification (mutual recognized by HOKLAS; Certificate for Fire Product Certification; Certified by China National Supervision and Test Center for Fire Electronic Product Quality; Certified and accredited by CNAS(China National Accreditation Service for Conformity Assessment; Certified by CMA (China Metrology Accreditation; Approved and certified according to Product Quality Law of the People's Republic of China; Certified by China National Center for Quality Supervision and Test of Fixed Fire-fighting System and Fire-resisting Building Components.

Integrated with business platform of KIN LONG group, GTI products can fully utilize its high quality and advanced technology to provide the best window automation solution to customers. " Only professionalism can create unique value, and speculation has no future" Kinlong GTI believes that its quality products synergy with strong sales network systems is the success key to enlarge market share, not only provide updated technology product, better performance but also better services to serve our old and new customers in future.



















Qualification & Certification



High Tech Enterprise Certificate



Business License



IS09001:2015 Quality Management System Certification



Specialized and Innovative Enterprise in Small and Medium-size



Test Report of EU EN12101:2003



CE Certification



Fire Product Certificate



300°C High Temperature Test Report



Neutral Salt Spray Test Report



Patent Certificate



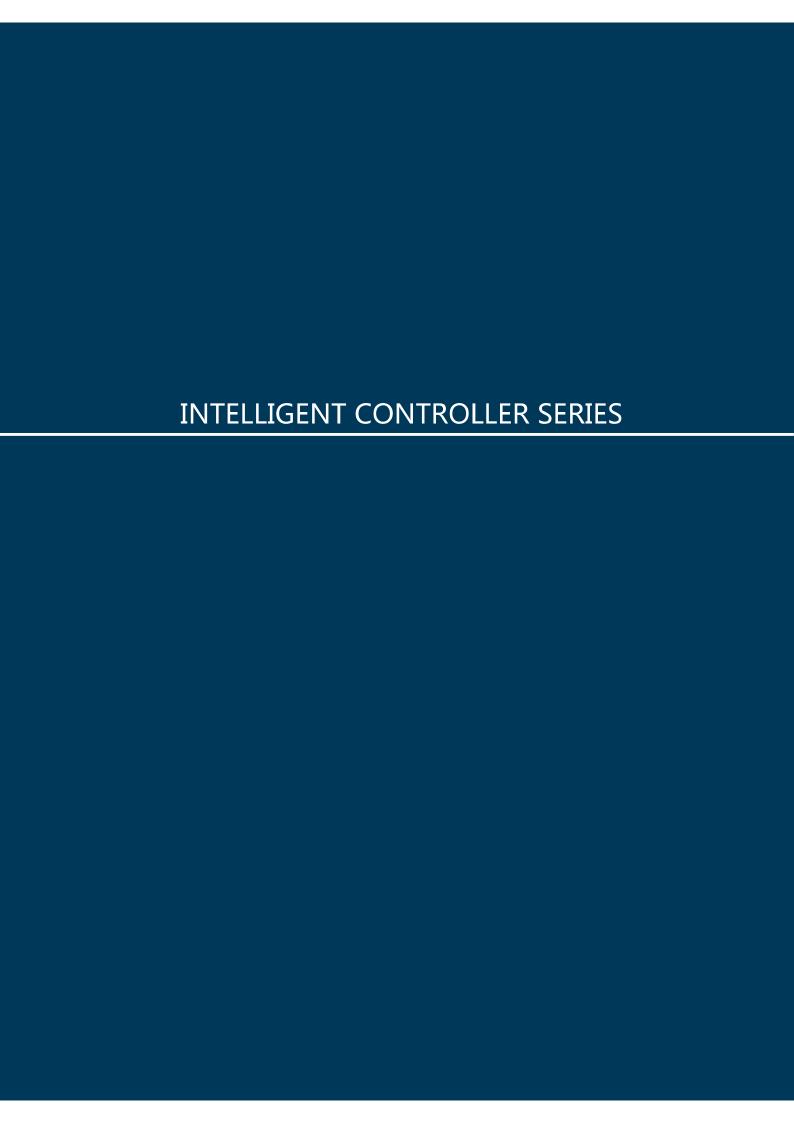
50000 Times Life Test Report

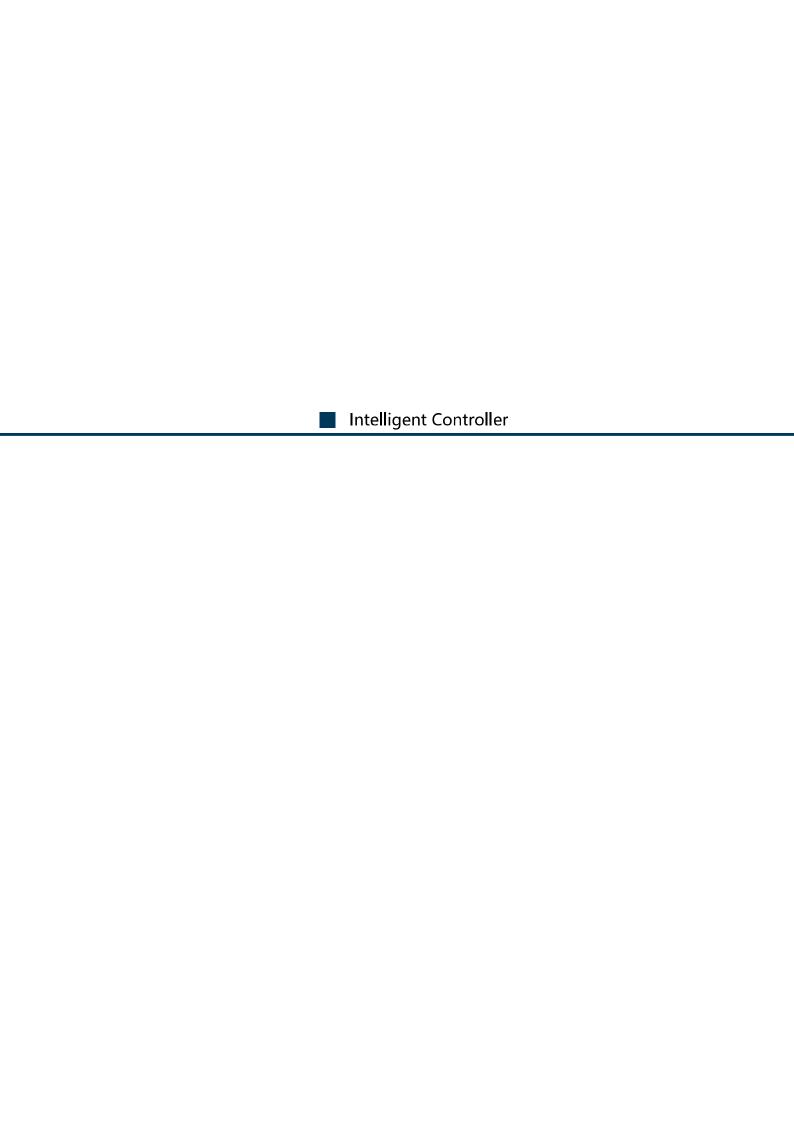


Retention Force Test Report

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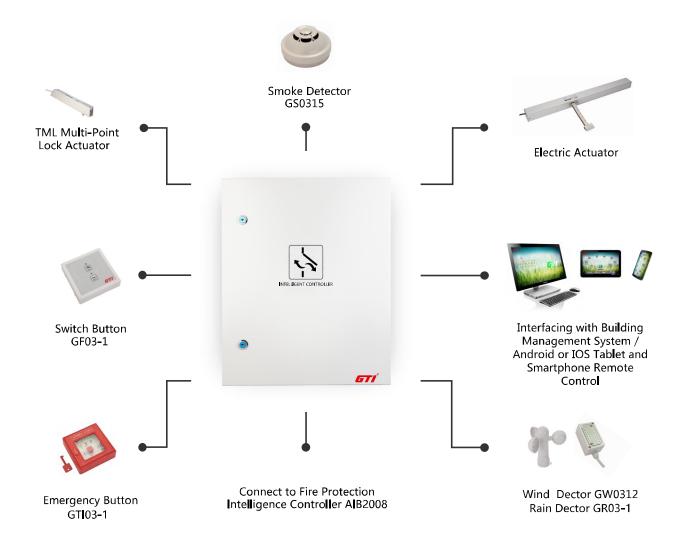






INTELLIGENT CONTROLLER



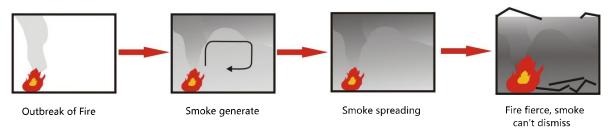


- Micro processor and electronic chips control which enhance reliability
- 72 hours emergency supply in case of power failure Various models and large capability are available
- Priority processing design for various control signals
- Daily ventilation and lighting functions
- Fire linkage function
- Custom-made smoke vent system is available upon request

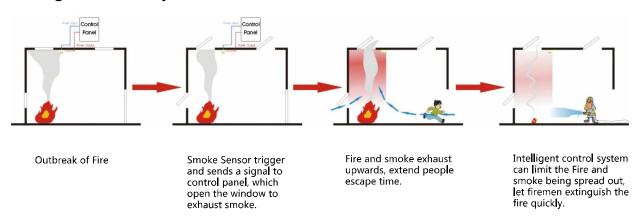


Fire occur circumstance

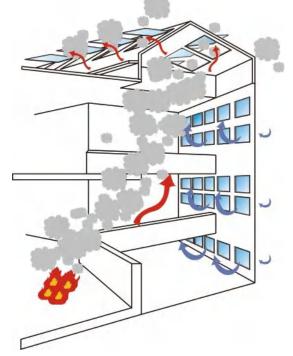
No intelligent control system is installed On-site



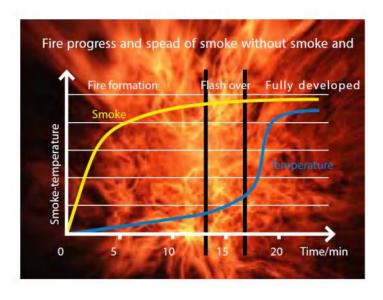
Intelligent control system is installed On-site



Fire is controlled by intelligent control system

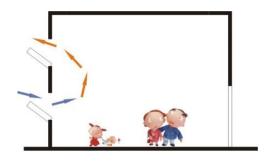


Smoke spreading speed vs Time during Flow Ventilation

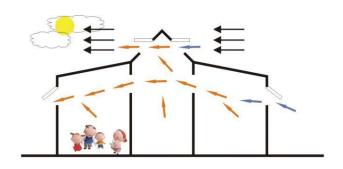




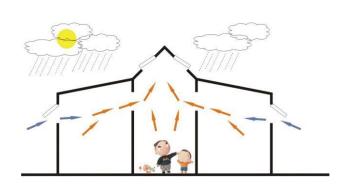
Different situations with natural ventilation



Single-sided Ventilation



Convection Ventilation



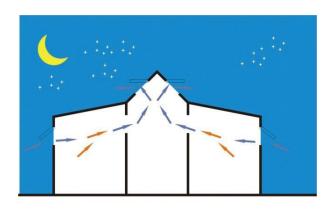
Flow Ventilation



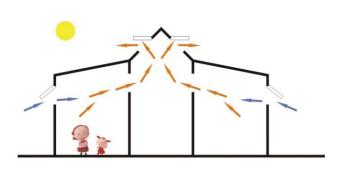
Cold & Hot Air

Winter (5°C)
Air conditioner in the meeting room turns on to deliver warm air
Open window for ventilation in

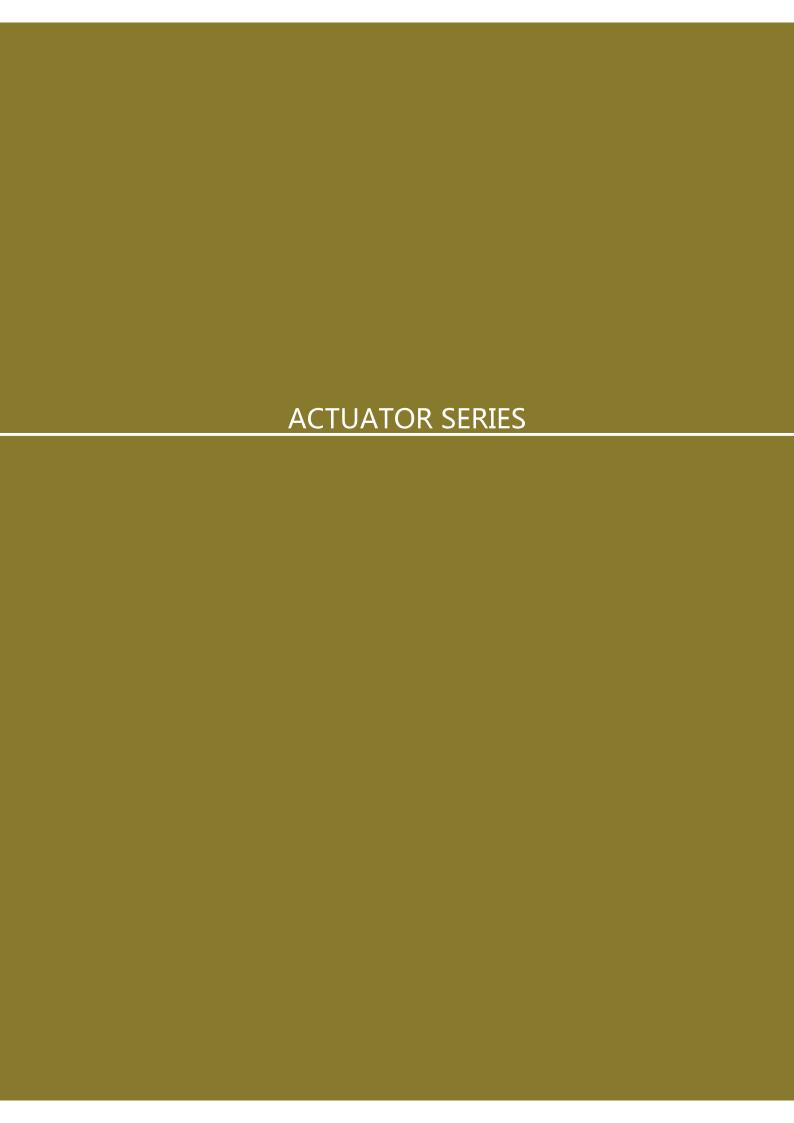
Summer(Day 30°C, Nght 18°C) Open window for ventilation in manager office at night. Office turns on air-conditioner to deliver



Cooling at Night



Stack Ventilation



- Electric Chain Actuator
- Electric Dual Chain Actuator
- Electric Spindle Actuator
- Multi-Point Locking Actuator
- Electric Built-In Window Control System



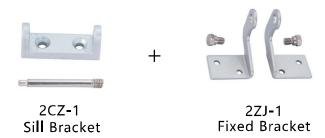
G2-CH/G2-MH Electric Chain Actuator

P47-01 P61





- Electronic overload cutoff, limit stop and low noise operation
- Use double link chain design, mores stable and smooth when operating
- Standard with Carbon Steel Chain
- The rebound function to mitigate the aluminum frame become deformed and extend the adhesive tape life time
- Various colour to be selected
- Endurance test(>50,000 cycles) is carried out
- Max push and pull force: 250N Lock force in static motion: 4,500N
- Protection class: IP32
- G2-CH For Single use only
- G2-MH Apply in Single or Synchronous











G5-CH Electric Chain Actuator





5CZ-1 Sill Bracket

5ZJ-1 Fixed Bracket

- Electronic overload cutoff, limit stop and low noise operation
- Used double layers metal chain design, more stable, smooth when operating
- Standard with carbon steel chain the rebound function to mitigate
- The aluminum frame become deformed and to extend the rubber strip life time
- Under high temperature up to 300°C for 30mins opening constantly
- Various kind of push force, stroke to be selected
- Various colour to be selected
- Endurance test(>50,000 cycles) is carried out
- Max push and pull force: 400N
- Lock force in static motion: 6,000N
- Protection class: IP32
- For Single use only







G5-MH Electric Chain Actuator







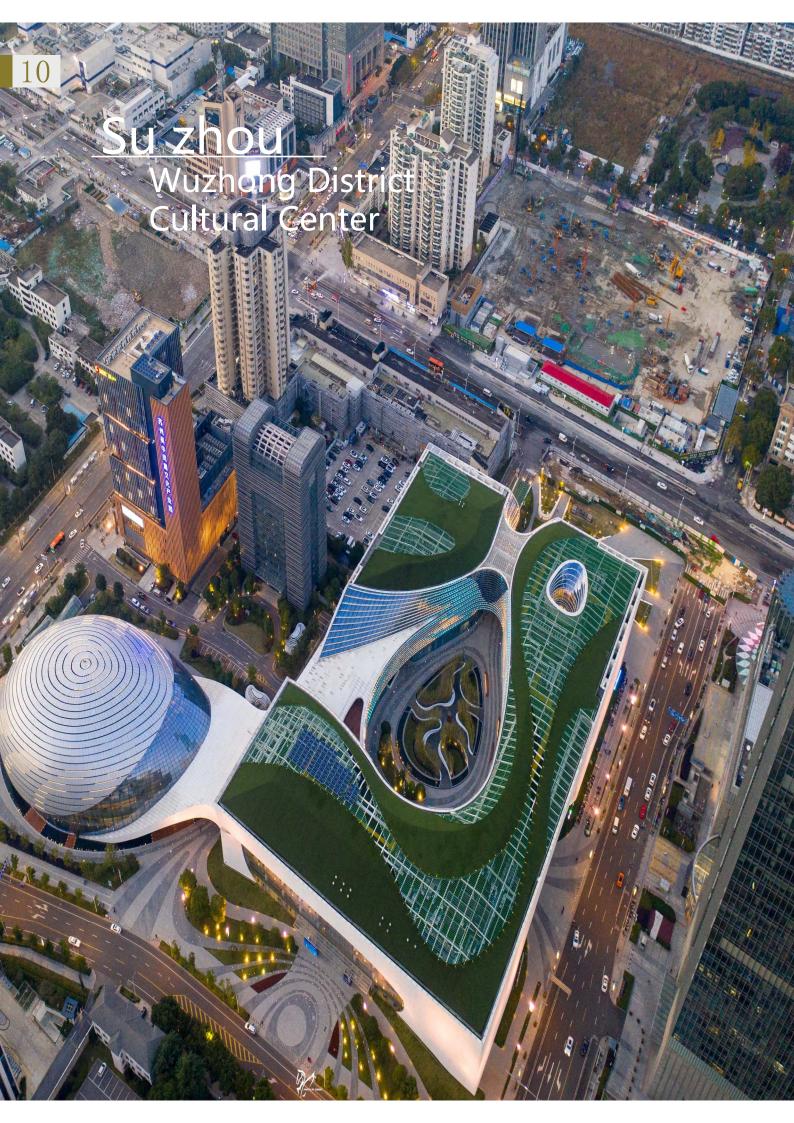


5ZJ-1 **Fixed Bracket**

- Electronic overload cutoff, limit stop and low noise operation
- Used double layers metal chain design, more stable, smooth when operating
- Standard with carbon steel chain
- The rebound function to mitigate the aluminum frame become deformed and to extend the rubber strip life time.
- Under high temperature up to 300°C for 30mins opening constantly Dual chain suitable for extra
- widewindow (width exceed 1500mm)
- Various types of push force, stroke to be selected
- Endurance test(>50,000 cycles) is carried out Max push and pull force : 800N
- Lock force in static motion: 12,000N
- Protection class: IP32
- Apply in Single or Synchronous







G5-CLH Electric Chain Actuator







- Electronic overload cutoff, limit stop and low noise operation
- Used double layers metal chain design, more stable, smooth when operating
- Standard with carbon steel chain
- The rebound function to mitigate the aluminum frame become deformed and to extend the rubber strip life time
- Under high temperature up to 300°C for 30mins opening constantly
- Various kind of push force, stroke to be selected
- Various colour to be selected
- Endurance test(>50,000 cycles) is carried out
- Max push and pull force: 700NLock force in static motion: 6,000N
- Protection class : IP32For Single use only







G5-MLH Electric Chain Actuator





- Electronic overload cutoff, limit stop and low noise operation
- Used double layers metal chain design, more stable, smooth when operating
- Standard with carbon steel chain
- The rebound function to mitigate the aluminum frame become deformed and to extend the rubber strip life time
- Under high temperature up to 300°C for 30mins opening constantly
- Dual chain suitable for extra wide window (width exceed 1500mm)
- Various kind of push force, stroke to be selected
- Endurance test(>50,000 cycles) is carried out
- Max push and pull force: 1,400N
 Lock force in static motion: 12,000N
- Protection Class: IP32
- Apply in Single or Synchronous







G5-CTH Electric Dual Chain Actuator



- Electronic overload cutoff, limit stop and low noise operation
- Used double layers metal chain design, more stable, smooth when operating
- Standard with carbon steel chain
- The rebound function to mitigate the aluminum frame become deformed and to extend the rubber strip life time.
- Under high temperature up to 300°C for 30mins opening constantly.
- Dual chain suitable for extra widewindow (width exceed 1500mm)
- Various types of push force, stroke to be selected
- Endurance test(>50,000 cycles) is carried out
- Max push and pull force: 800N
- Lock force in static motion: 12,000N
- Protection class: IP32







K10-CH Electric Spindle Actuator





- Smooth and powerful output
- Moveable installation is suitable for various types of window
- · Low noise operation
- Various types of push force, Max. up to 1000N
- Various types of stroke, Max. up to 1,500mm
- Optional with Stainless Steel spindle
- Heavy-duty for wide, heavy skylights and windows
- Lock force for static motion is 5,000N
- Protection class: IP65
- For Single use only

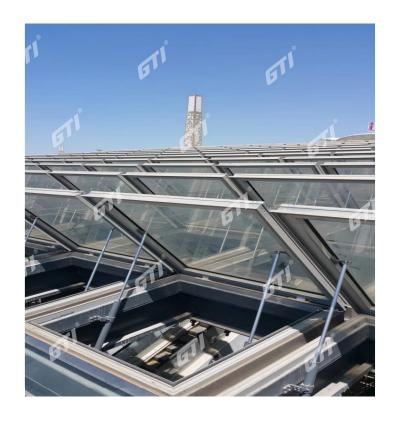
香港秦泰
KIN LONG
Dimension Specification
P52-06 P63

K10-MH Electric Spindle Actuator



- Smooth and powerful output
- Moveable installation is suitable for various types of window
- Low noise operation
- Various types of push force, Max. up to 1000N
- Various types of stroke, Max. up to 1,500mm
- Optional with Stainless Steel spindle
- Heavy-duty for wide, heavy skylights and windows
- Lock force for static motion is 5,000N
- Protection class: IP65
- Apply in Single or Synchronous

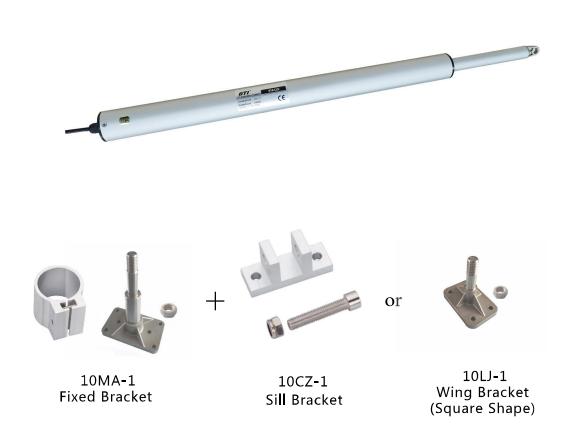








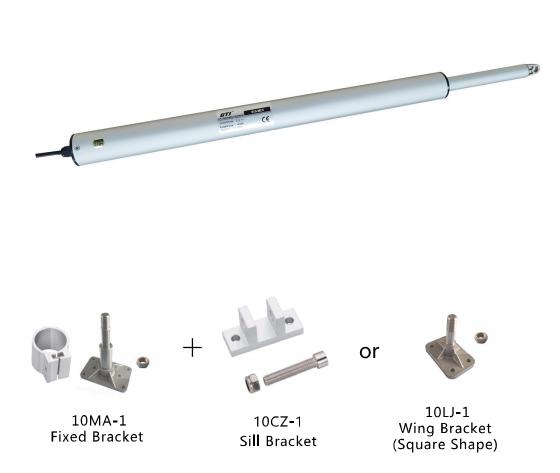
K10-CLH Electric Spindle Actuator



- Smooth and powerful output
- Moveable installation is suitable for various types of window
- · Low noise operation
- Various types of push force, Max. up to 1500N
- Various types of stroke, Max. up to 1,500mm
- Optional with Stainless Steel spindle
- Heavy-duty for wide, heavy skylights and windows.
- Lock force for static motion is 11,000N
- Protection class : IP65
- For Single use only



K10-MLH Electric Spindle Actuator



- Smooth and powerful output
- Moveable installation is suitable for various types of window
- Low noise operation
- Various types of push force, Max. up to 1500N
- Various types of stroke, Max. up to 1,500mm

- Optional with Stainless Steel spindle
- Heavy-duty for wide, heavy skylights and windows
- Lock force for static motion is 11,000N
- Protection class: IP65
- Apply in Single or Synchronous











Multi-Point Locking Actuator

TML-H Multi-Point Locking Actuator





- Suitable for the window with
- multi-point locking
 Automatic control for
 locking or unlocking the
 windows
- Flexible installation according to window frame structure
- Improve stability and enhance building security Versatility and simple installation
- Available in all RAL color



Multi-Point Locking Actuator

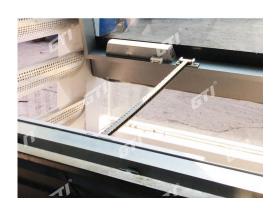


TML-300H Multi-Point Locking Actuator

Dimension Specification P55-10 P64



- Suitable for the window with
- multi-point locking Automatic control for locking or unlocking the windows
- Flexible installation according to window frame structure
- Improve stability and enhance buildingsecurity Versatility and simple
- insta**ll**atión
- Available in all RAL color







Electric Built-in Window Control System

T1-YC-AH Electric Built-in Window Control System







- Solid and reliable performance, verified by tens of thousands of push-pull strength and fatigue test
- Concealed installation design, simpler and beautiful appearance
- Mechanical clutch structure design, seamless switching between manual and automatic modes; reatain the traditional manual opening and closing mode, can be opened and closed manually in power-off conditions
- Built-in anti-pinch function to ensure user safety
- Optional connect to external wind and rain sensors, gas sensors and other equipment to detect weather changes and various emergencies at any time
- Intelligent wireless WIFI connection, mobile phone APP remote control (please inquire your agency before choosing)
- Applicable window types: inward-hung windows, outward-hung windows and inward-down opening windows

Electric Built-in Window Control System

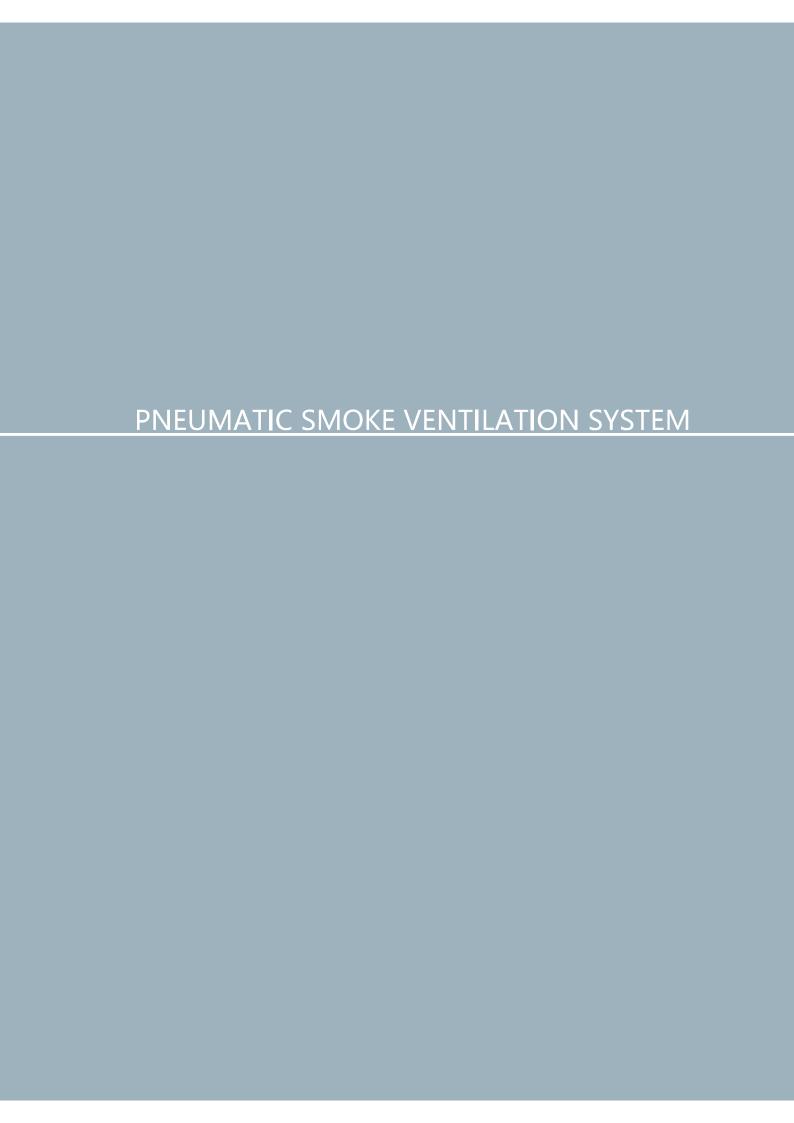


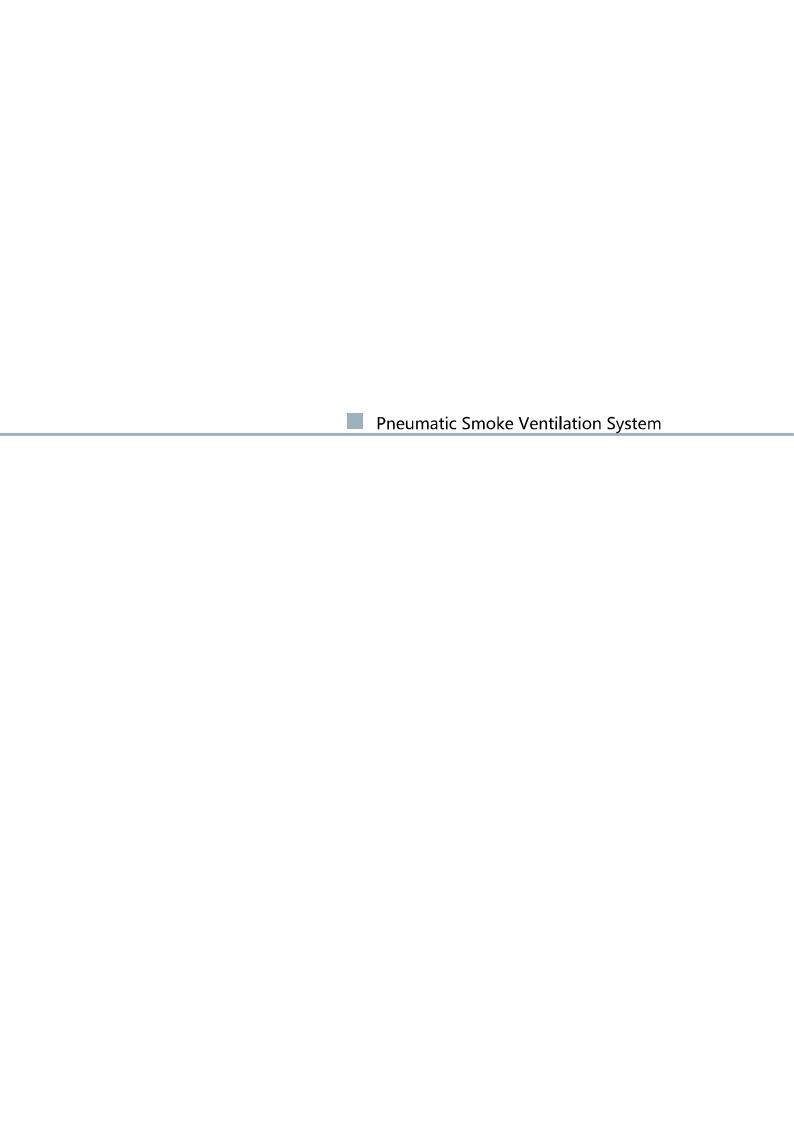
T1-YC-AH Electric Built-in Window Control System













Pneumatic Smoke Ventilation System

Pneumatic Smoke Ventilation System PAS-H Cylinder



The pneumatic smoke ventilation system is favored by many users as a new type of environmentally friendly and energy-saving smoke exhaust equipment.

The pneumatic ventilation system is a method of releasing and inhaling compressed air to achieve the purpose of opening and closing windows. It can be controlled by the intelligent control system to control the solenoid valve, or by manually operating the valve.

The pneumatic ventilation system has simple in structure, and part of it can be hidden in the window frame. Advantage of system is: large opening angle, durable in using, maintenance simple and convenient, as well as low cost. In addition, the pneumatic ventilation system can better withstand the test of harsh environments, so its service life is also longer. Since the pneumatic ventilation system relies on copper pipes to transmit compressed air to drive the window open, even in the harsh situation of power outage during a fire, the window can be opened and smoke can be exhausted.

Pneumatic ventilation system is wide range to used in different places like public activity venues, large building complex. It can be widely used in top-hung windows, bottom-hung windows, skylights, etc.

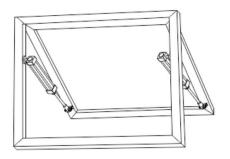




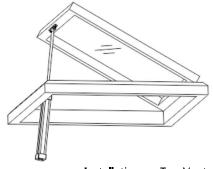
Pneumatic Smoke Ventilation System



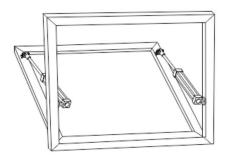
Installation of Pneumatic Cylinder on Various Window Types



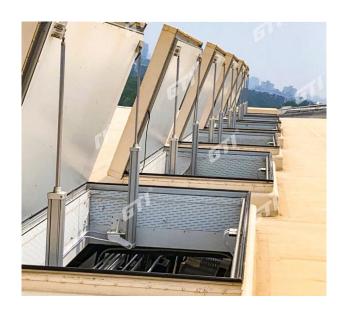
Insta**ll**ation on Top Hung Window



Installation on Top Vent



Installation on Bottom Hung Window

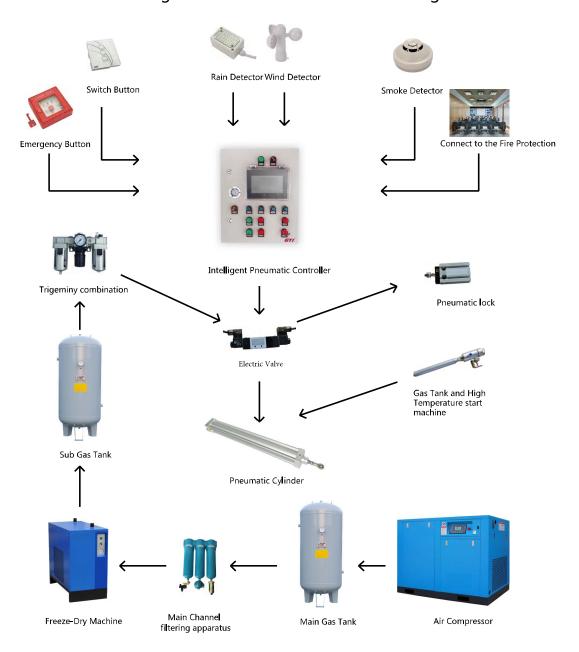






Pneumatic Smoke Ventilation System

Intelligent Pneumatic Control Circuit Diagram



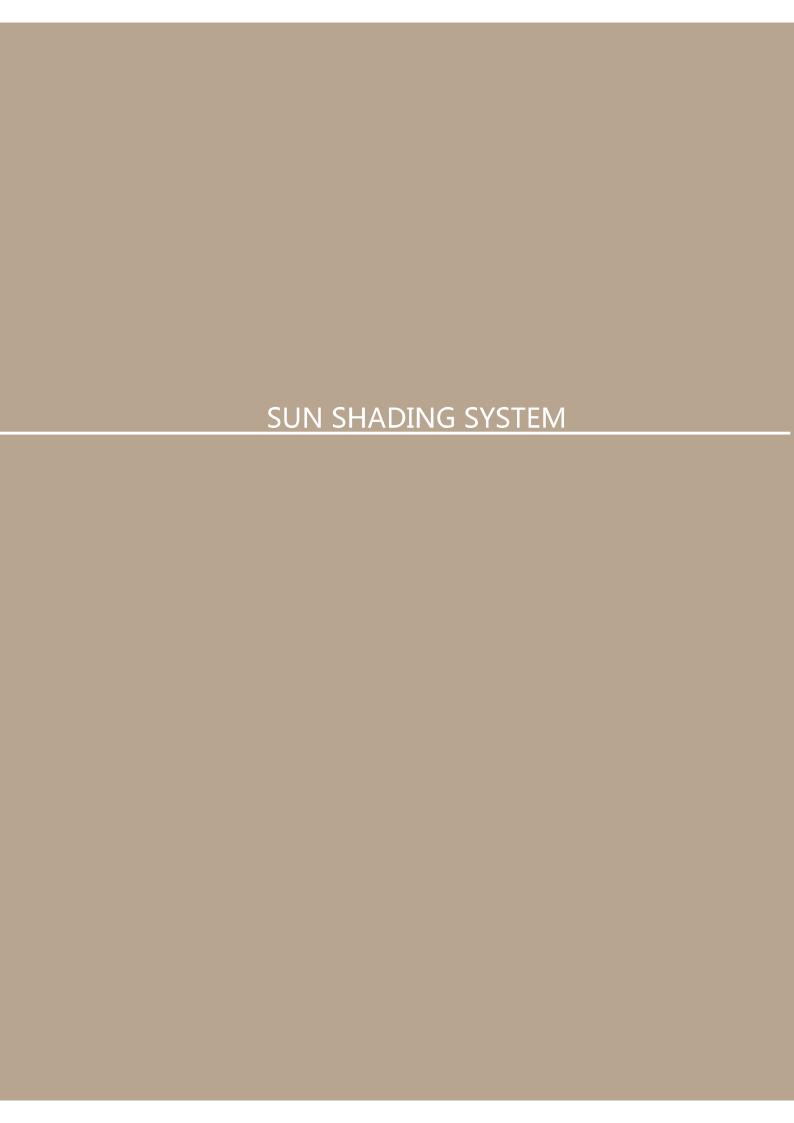
Characteristic of Pneumatic Ventilation System

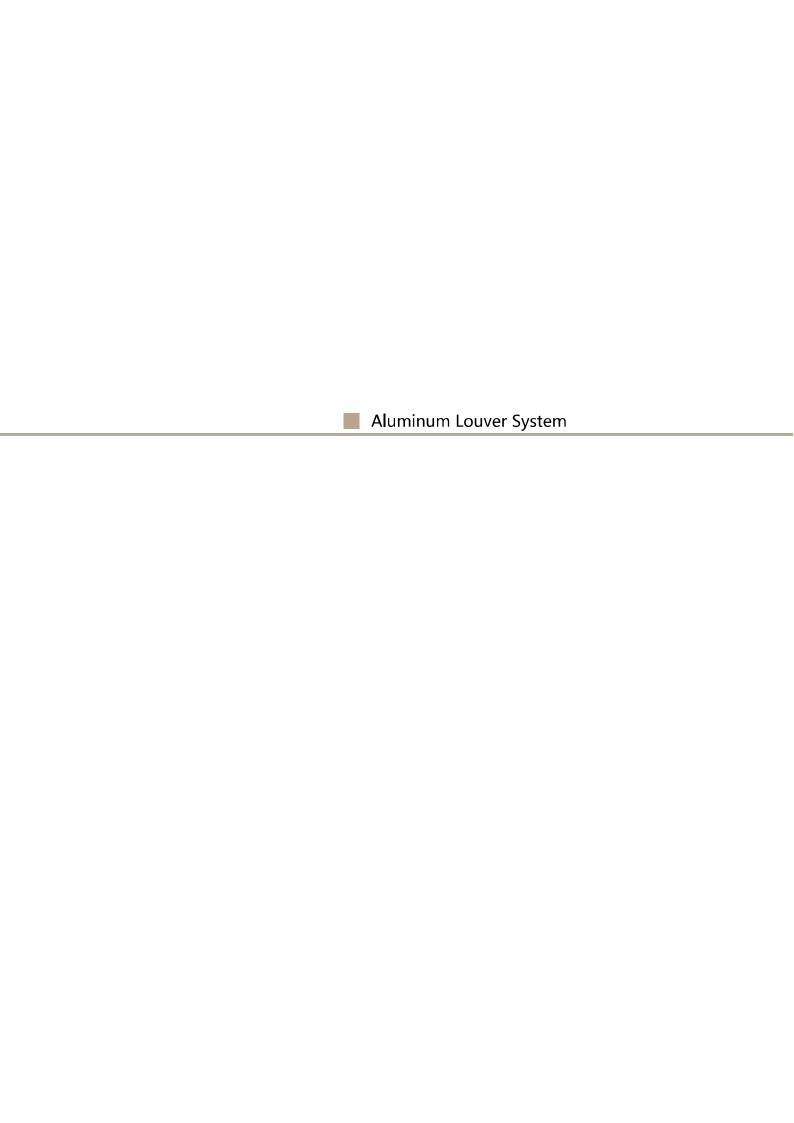
- Use of air-compressor piston cylinder as to drive the operation, strong power in movement;
- Clean energy, energy saving and environmental protection;
- Can be connected to intelligent smoke exhaust control system and controlled by central controller;
- Optional for pressurized bottle can be connected to the cylinder for assurance of windows operation in case of high temperature detection device being triggered by fire hazard.







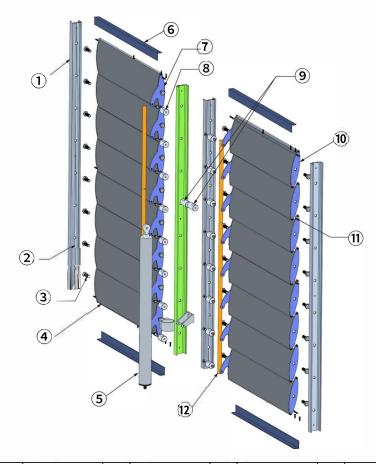






Aluminum Louver

AL-1530H/AL-2550H Aluminum Louver



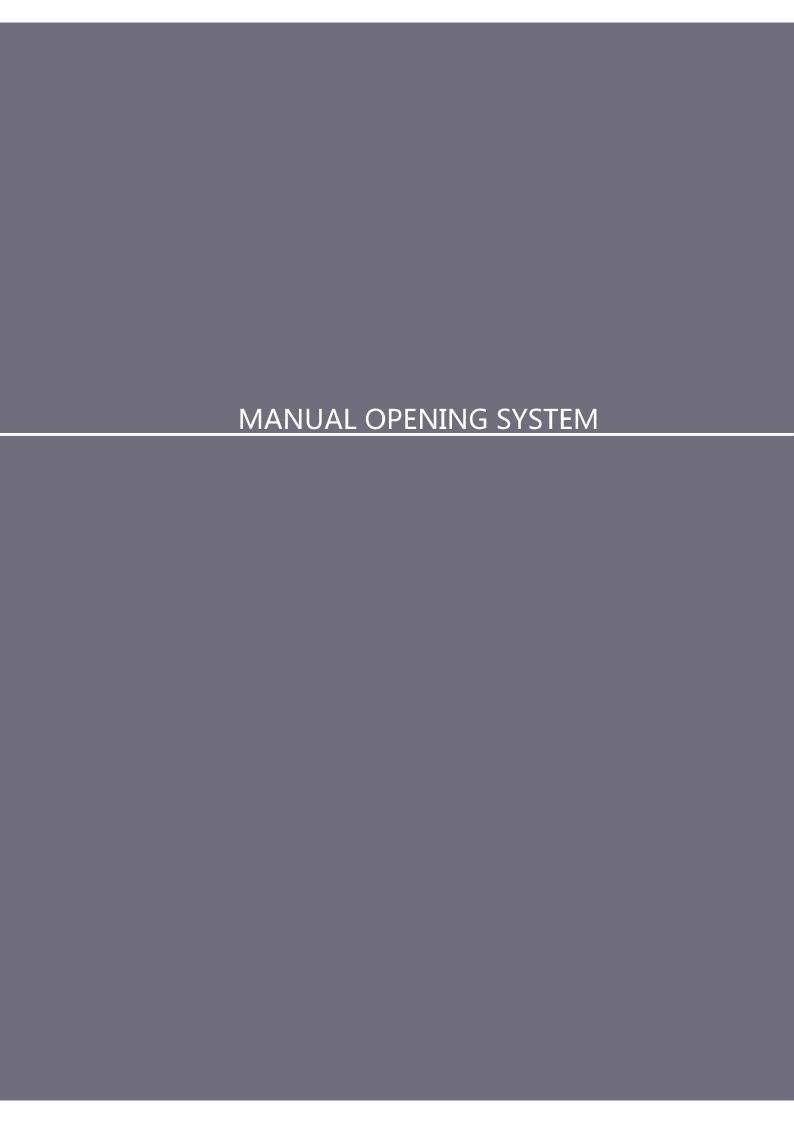
1	Aluminum column	2	Sealing Felt Strip	3	Blind shafts	4	AL-1530H/AL-2550H Aluminium Louver	5	K10 Electric Spindle Actuato	6	Water-stopping aluminum corner
7	Sealed cover with ears	8	Connecting piece of connecting rod 1	9	Connecting piece of connecting rod 2、3	10	Sealed cover without ears	11	Hair bar	12	Aluminum tube

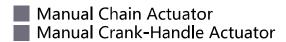
- Extruded aluminium profiles up to 3M long
- Fixed or movable version
- Variable pitch
- Horizontal or vertical installation
- Fully rustproof system
- Available RAL color
- 2 sizes in with of Aluminum blade (150mm, 250mm)
- Convenient for design with different size blade
- The variable stroke design of the drive motor allows the blade to rotate up to 110 degrees
- Self-locking function in closing status strengthen the airproof & waterproof ability of entire louvers system













Manual Chain Actuator

Manual Window Operating System







- Retention force is up to 4,500N
- Maximum accumulated push and pull force: 400N
- Built-in locking function
- Application: Top Hung/Bottom Hung/Side Hung
- Standard Stroke 100~400mm, other than that is custom made
- Simple installation

+

- · Standard Color: White, Black, Shinny Silver
- Selective of the handle (GH390LH/ GH390H/HS- Gear)
- HS-Gear could be tailor made of the length





Manual Chain Actuator



Manual Window Operating System



- Retention force is up to 6,000N
- Maximum accumulated push and pull force: 400N
- Built-in locking function
- Application: Top Hung/Bottom Hung/Side Hung
- Standard Stroke 100~400mm, other than that is custom made
- Simple installation
- Standard Color: White, Black, Shinny Silver
- Selective of the handle (GH390LH/ GH390H/HS- Gear)
- HS-Gear could be tailor made of the length





Manual Crank-Handle Actuator

WD-AMS-2H Crank Handle Actuator



- Runs quite.
- Foldable handle, save space.
 C-type guide rails could be selected according on-site elevation of aluminum material condition.
 The shell is made of ABS plastic Standard color: Black. (Non-standard color is not available)
- Application : Outward side hung window.
- Applied to bridge-cut aluminum, normal aluminum.







■ Glass Touch Screen Switch

Switch Button

Emergency Button
Remote Control

Smoke Detector

Rain Detector

Accessory





Glass Touch Screen Switch (Connect to Rain/Wind Detector) Model: GP0506-WR Input Voltage: 220V AC±10% Output Voltage: 24V DC Output Current: 2A Dimension: 86x86x40mm



Switch Button Model: GSC08-1 Input Voltage: 24V DC Output Voltage: 24V DC Output Current: 2A Dimension: 86x86x40mm



Switch Button Model: GSC08-2-3 Input Voltage: 220V AC±10% Output Voltage: 24V DC Output Current: 3A Dimension: 86x86x40mm



Switch Button Model: GSC08-2-11 Input Voltage: 220V AC±10% Output Voltage: 24V DC Output Current: 5A Dimension: 86x86x40mm



Switch Button Model: GSC08-2-13 Input Voltage: 220V AC±10% Output Voltage: 24V DC Output Current: 5A Dimension: 86x86x40mm



Switch Button Model: GSC08-5-1 Input Voltage: 220V AC±10% Output Voltage: 220V AC±10% Output Current: 1A Dimension: 86x86x40mm



Switch Button Model: GF03-1 Voltage Supply: 5V DC Dimension: 86x86x20mm



Glass Touch Screen Switch (White) Model: GF03-1S Voltage Supply: 24V DC Dimension: 86x86x40mm



Emergency Button Model: GTI03-1 Voltage Supply: 5V DC Dimension: 123x123x35mm





Remote Control Model : GP0101 Match : GSC08-2-3



Remote Control Model : GP0102 Match : GSC08-5-1 GSC08-2-11 GSC08-2-13



Remote Control Model: GTR-80 Match with Control Box



Smoke Detector Model: GS0315 Volage Supply: 24V DC



Wind Detector Model: GW0312 Volage Supply: 5V DC



Rain Detector Model: GR03-1 Volage Supply: 24V DC



Quick Guide to Select the Proper Actuator Dimension & Installation Specification

A Quick Guide to Select the Proper Actuator

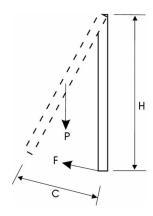


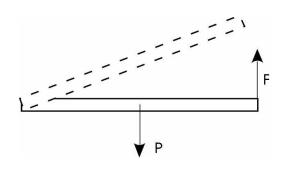
As the rules for the provision of smoke ventilation systems vary among different countries, the calculation and formula listed below are just for reference in choosing actuator only. Project manager should contact the local, district or state fire protection authority for the necessary

There are two types of actuators basically:

- 1. Chain actuators that is for top, side and bottom hung windows application.
- 2. Spindle & Rack actuator that is targeted for domes, roof, skylight, louver, tilting or very heavy top or bottom hung windows application.

Determine the force required to open various types of windows:





Force required to open vertical windows (Top or bottom hinged windows):

 $F=P/2\times C/H$

F = Force (N) required to open the window P = Window force (N)

C = Open distance (m) of the window

Window force (N) = Window weight (kg) \times 9.8 (N)

Force required to open horizontal windows (Top or bottom hinged windows):

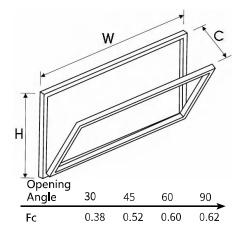
F = Force (N) required to open the window

The above formula does not take into account the live load factors such as wind load, rain load, snow load, etc. Due to the large variation of these factors, there is still no fire smoke exhaust system guide that is applicable to all regions. Therefore, engineers should refer to representative installation guide recommendations such as the British BS EN12102-2.

The engineer should also calculate the smoke exhaust area and airflow dynamic area required for each fire smoke exhaust system. When the calculated area is larger than the actual window sash area, the actual window sash area should be used for calculation. The following is the required calculation formula.



A Quick Guide to Select the Proper Actuator



Geometric Area(m2)=W×H×FC

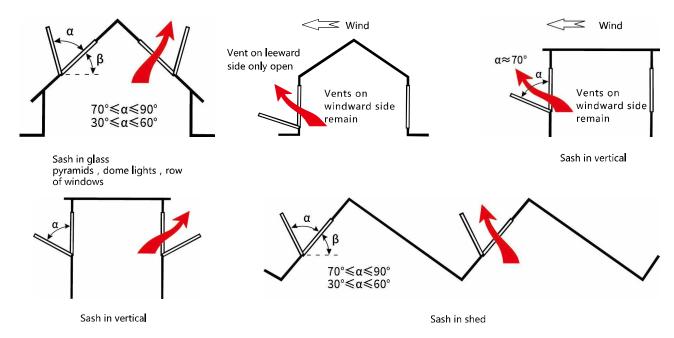
W= Width (m) H= Height (m) FC= Flow co-efficient

* Calculated area must not over the window

The calculation of smoke exhaust area shall be in accordance with GB 51251-2017 "Technical Standard for Smoke Exhaust System in Buildings":

- 1. When window with an opening angle greater than 70° is used, its area shall be calculated according to the area of the window; when the window angle is less than 70°, its area shall be calculated according to the vertical projection area when the window is opened to the maximum;
- 2. When window with an opening angle greater than 70° is used, its area shall be calculated according to the area of the window; when the window angle is less than 70°, its area shall be calculated according to the vertical projection area when the window is opened to the maximum;
- 3. When a sliding window is used, its area shall be calculated according to the maximum window area opened;
- 4. When a louver is used, its area shall be calculated according to the effective opening area of the window;
 5. When a side hung window is set at the top, its area can be calculated according to the product of 1/2 of the circumference of the window and the sliding distance, and should not be greater than the window area;
- 6. When a side hung window is set at an external, its area can be calculated according to 1/4 of the window. It is calculated by multiplying the perimeter by the horizontal push distance and should not be larger than the window area.

The following common practice of opening angle recommendation should also be considered:

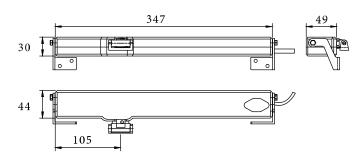


^{*} If you have any inquiry, please consult with our technical consultant for the specific ventilation solution.

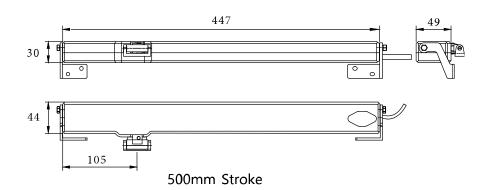


01

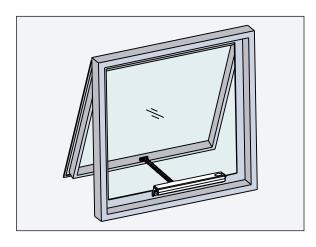
Electric Chain Actuator G2-CH (For Single use only) G2-MH(Apply in Single or Synchronous)



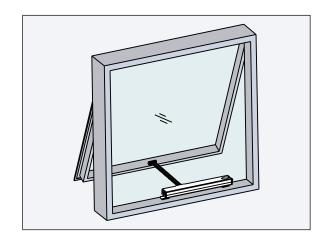
300mm Stroke



- G2 Electric Chain Actuator can be applied to the top and bottom hung window, central and horizontal opening, skylight and alike.
- Installation of G2 is flexible. It can be installed with or without window sill situation by suitable brackets.



Top Hung Window Installation (With Window Sill)



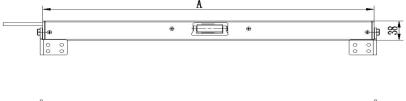
Top Hung Window Installation (Without Window Sill)



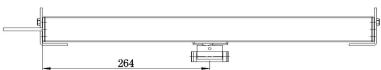


G5-CH /G5-MH Electric Chain Actuator

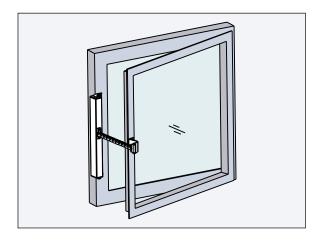
Stroke (mm)	Length A (mm)
200	446
300	498
400	550
500	602
600	654
700	706
800	758



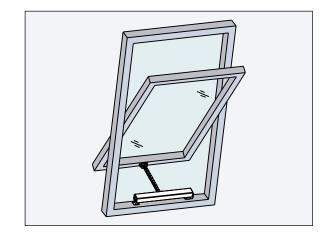




- G5-CH /G5-MH Electric Chain Actuator can be applied to the top and bottom hung window, central and horizontal opening, skylight and alike. Installation of G5-CH /G5-MH is flexible. It can be installed with or without window sill situation by suitable brackets.



Side Hung Inward Open Window Installation



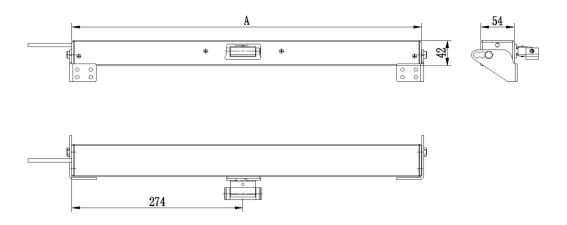
Horizontal Pivot Window **Installation**



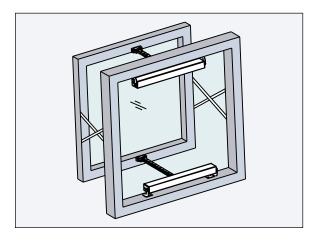
03

G5-CLH/G5-MLH Electric Chain Actuator

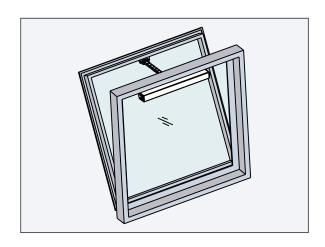
Stroke	Length		
(mm)	A (mm)		
200	456		
300	508		
400	560		
500	612		
600	664		
700	716		
800	768		



- G5-CLH/G5-MLH Electric Chain Actuator can be applied to the top and bottom hung window, central and horizontal opening, skylight and alike.
- Installation of G5-CLH/G5-MLH is flexible It can be installed with or without window sill situation by suitable brackets.



Parallel Push-out Window Installation



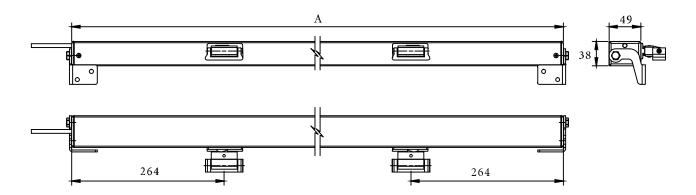
Bottom Hung Outward Open Window Installation



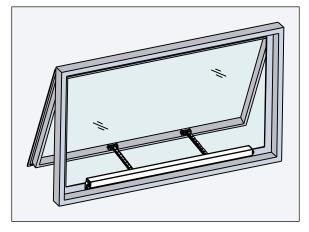


G5-CTH Electric Dual Chain Actuator

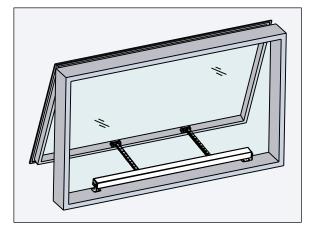
Stroke (mm)	Length A (mm)
300	1008
500	1208
700	1408
900	1608
1100	1808
1300	2008



- G5-CTH Electric Dual Chain Actuator can be applied to the top and bottom hung window, central and horizontal opening, skylight and alike.
- Installation of G5-CTH is flexible. It can be installed with or without sill situation by suitable brackets.



Top Hung Outward Open Window Installation (With Window Sill)



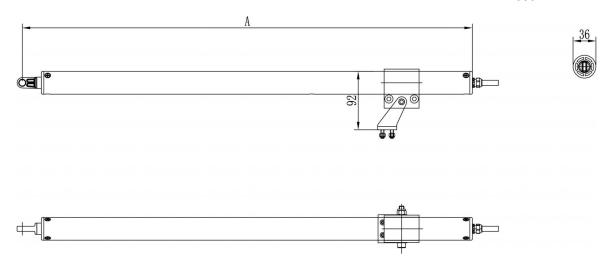
Top Hung Outward Open Window Installation (Without Window Sill)



05

K10-CH Electric Spindle Actuator

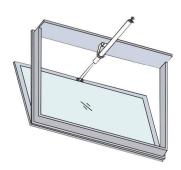
Stoke	Length		
(mm)	A (mm)		
200	611		
300	711		
400	811		
500	911		
600	1011		
700	1111		
800	1211		



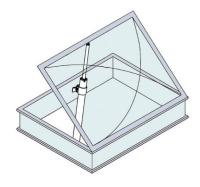
- K10-CH Electric Spindle Actuator can be applied to the top and bottom hung window, central and horizontal opening, skylight and alike.
- Installation of K10-CH is flexible. It can be installed with or without window sill situation by suitable brackets.
- For Single use only.



Top Hung Window Installation



Bottom Hung Window Installation



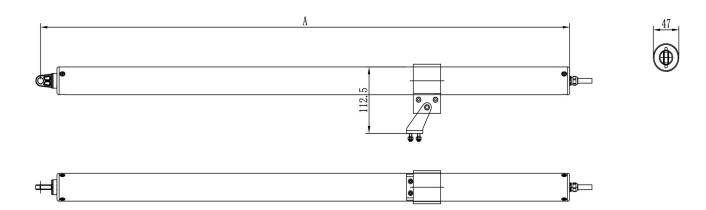
Skylight Installation





K10-MH Electric Spindle Actuator

Stoke	Length		
(mm)	A (mm)		
200	611		
300	711		
400	811		
500	911		
600	1011		
700	1111		
800	1211		



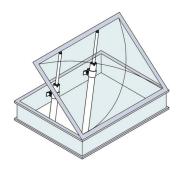
- K10-MH Electric Spindle Actuator can be applied to the top and bottom hung window, central and horizontal opening, skylight and alike.
- Installation of K10-MH is flexible. It can be installed with or without window sill situation by suitable brackets.
- Apply in Single or Synchronous.



Top Hung Window Installation



Bottom Hung Window Installation

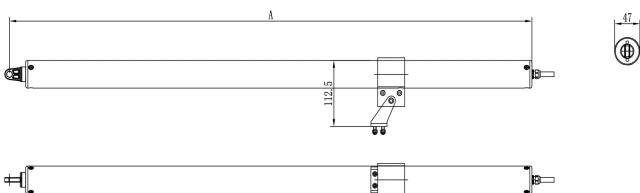


Skylight Installation



K10-CLH Electric Spindle Actuator

Stoke	Length		
(mm)	A (mm)		
250	600		
500	850		
750	1100		
1000	1350		
1250	1600		
1500	1850		

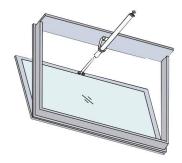




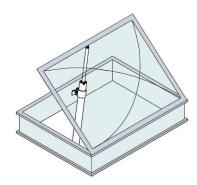
- K10-CLH Electric Spindle Actuator can be applied to the top and bottom hung window, central and horizontal opening, skylight and alike. Installation of K10-CLH is flexible. It can be installed with or without window sill situation by suitable brackets.
- For Single use only.



Top Hung Window Installation



Bottom Hung Window Installation



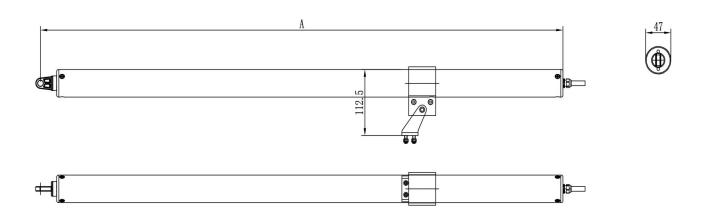
Skylight Installation





K10-MLH Electric Spindle Actuator

Stoke	Length		
(mm)	A (mm)		
250	600		
500	850		
750	1100		
1000	1350		
1250	1600		
1500	1850		



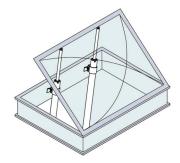
- K10-MLH Electric Spindle Actuator can be applied to the top and bottom hung window, central and horizontal opening, skylight and alike. Installation of K10-MLH is flexible. It can be installed with or without window sill situation by suitable brackets.
- Apply in Single or Synchronous.



Top Hung Window Installation



Bottom Hung Window Installation

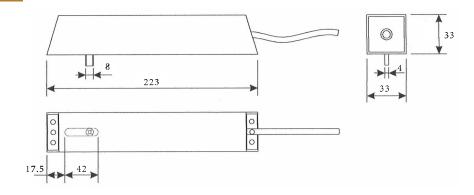


Skylight Installation

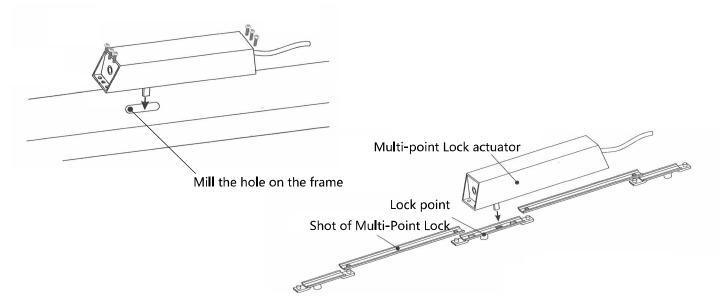


09

TML-H Multi-Point Locking Actuator



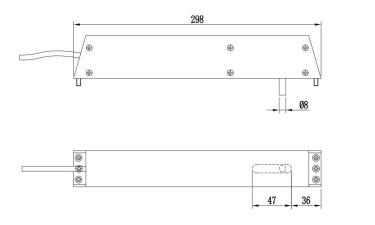
Install Multi-Point Lock actuator on the window frame



43.5

10

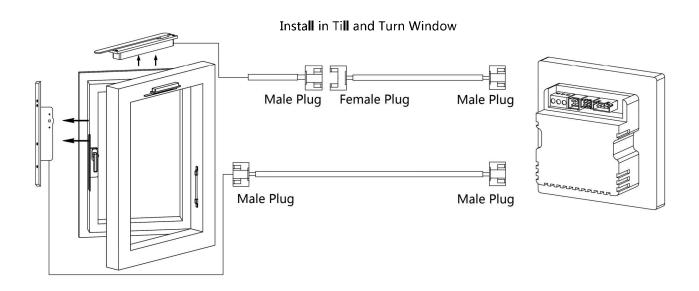
TML-300H Multi-Point Locking actuator



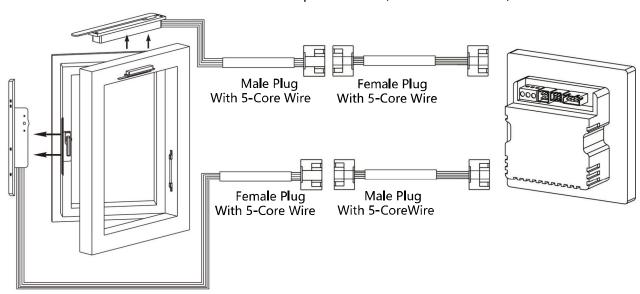


T1-YC-AH Electric Built-in Window Control

System Hidden Installation Method



Install in Flat Open Window(inward or outward)

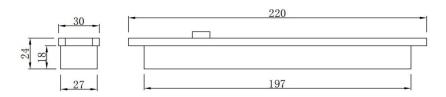


Dimensions and parameters



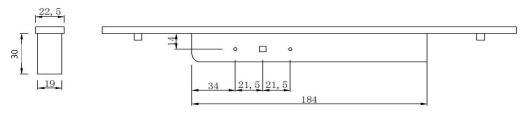
T1-YC-AH Electric Built-in Window Control

System Flat Inward Open Actuator



Slot Size: 197.5mm*27.5mm

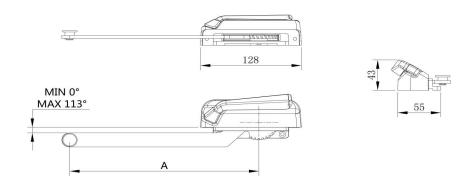
Inward Open Handle Actuator



Slot Size: 184.5mm*19.5mm

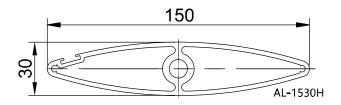
12

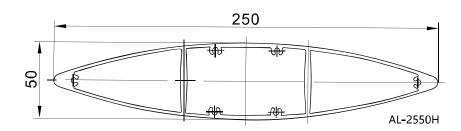
WD-AMS-2H Manual Crank-Handle Actuator Dimension & Specification

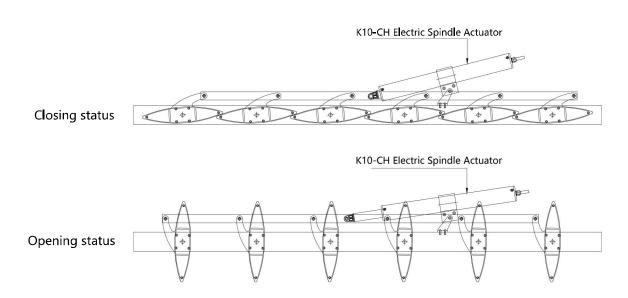


13

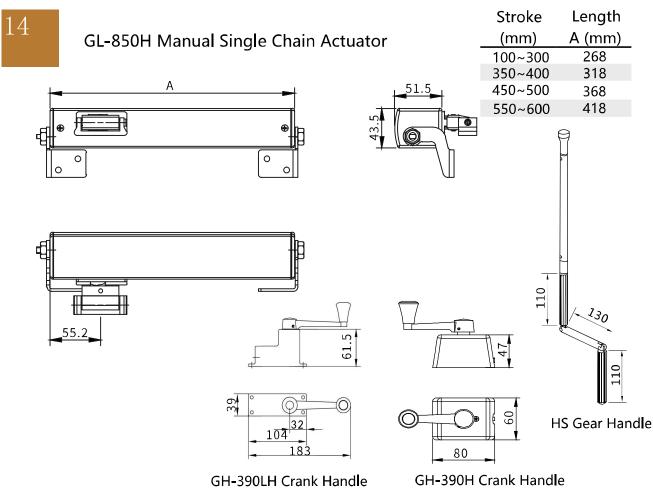
AL-1530H/AL-2550H Aluminum Louver



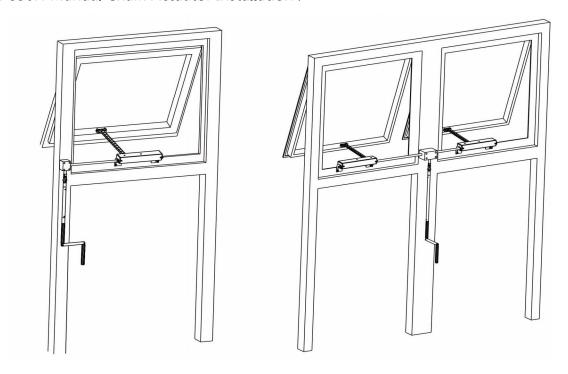








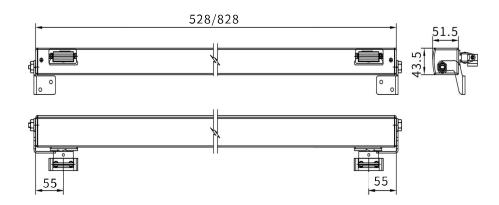
GL-850H Manual Chain Actuator Installation:





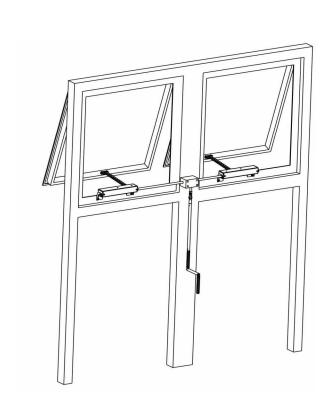


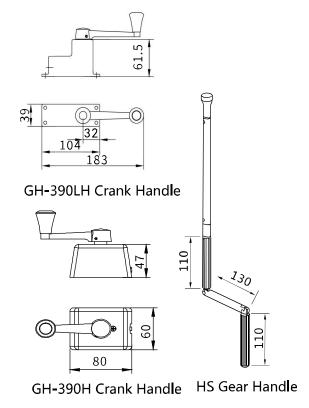
GL-850TH Manual Dual Chain Actuator



Stroke	Length		
(mm)	A (mm)		
100	528		
200	528		
300	528		
400	828		
500	828		
600	828		

GL-850TH Manual Chain Actuator Installation:

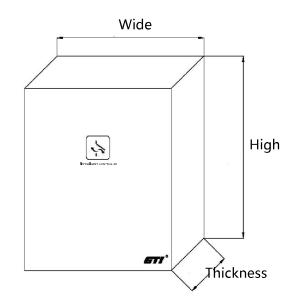






Intelligent Controller

	Model	Power (W)	Max Current(A)	Output Current of Each Group	Dimension H×W×T(mm)	Protection C l ass
•	A l B2008-M25	600	25	25A (1 组)	500 × 400 × 140	Optiona l
	AIB2008-M50	1200	50	25A (1组)	$500 \times 400 \times 140$	Optiona l
	AlB2008-S25	600	25	25A (1组)	$500\times400\times140$	Optiona l
	AIB2008-S50	1200	50	25A (1组)	500 × 400 × 140	Optional



G2-MH Electric Chain Actuator (Apply in Single or Synchronous)

Specification	Unit	Technical Data
Voltage	V	24V DC ± 10%
Push / Pull Force	N	250
Max. current absorption	Α	0.7
Stroke	mm	300 / 500
Speed	mm/sec	6
Working Temperature	°C	- 15 ~ +75
Protection Class	I P	32

G2-CH Electric Chain Actuator (For Singel use only)

Specification	Unit	Technical Data
Voltage	V	24V DC ± 10%
Push / Pu ll Force	N	250
Max. current absorption	Α	0.7
Stroke	mm	300 / 500
Speed	mm/sec	6
Working Temperature	°C	- 15 ~ +75
Protection Class	I P	32



■ G5-CH Electric Single Chain Actuator (For Single use only)

Specification	Unit	Technical Data
Vo l tage	V	24V DC ± 10%
Push / Pu ll Forc	N	300 / 400
Max. current absorption	Α	1.2 / 1.5
Stroke	mm	200 ~ 800
Speed	mm/sec	11
Working Temperature	°C	- 15 ~ +75
Protection Class	I P	32

G5-MH Electric Chain Actuator (Apply in Single or Synchronous)

Specification	Unit	Technical Data
Vo l tage	V	24V DC ± 10%
Push / Pu ll Forc	N	300 / 400
Max. current absorption	Α	1.2 / 1.5
Stroke	mm	200 ~ 800
Speed	mm/sec	11
Working Temperature	°C	- 15 ~ +75
Protection Class	I P	32

G5-CLH Electric Single Chain Actuator (For Single use only)

Specification	Unit	Technical Data
Voltage	V	24V DC ± 10%
Push / Pu ll Forc	N	500 / 600 / 700
Max. current absorption	Α	1.6/ 1.7/ 2
Stroke	mm	200 ~ 800
Speed	mm/sec	12
Working Temperature	°C	-1 5 ~ +7 5
Protection Class	I P	32

■ G5-MLH Electric Chain Actuator (Apply in Single or Synchronous)

Specification	Unit	Technical Data
Voltage	V	24V DC ± 10%
Push / Pu ll Forc	N	500 / 600 / 700
Max. current absorption	Α	1.6/ 1.7/ 2
Stroke	mm	200 ~ 800
Speed	mm/sec	12
Working Temperature	°C	- 15 ~ +75
Protection Class	I P	32



G5-CTH Electric Dual Chain Actuator

Specification	Unit	Technical Data
Vo l tage	V	24V DC ± 10%
Push / Pu ll Forc	N	400 / 600/ 800
Max. current absorption	Α	2.0 / 2.4/ 3.0
Stroke	mm	100 ~ 1500
Speed	mm/sec	11
Working Temperature	°C	- 15 ~ +75
Protection Class	I P	32

K10-CH Electric Spindle Actuator (For Single use only)

Specification	Unit	Technical Data
Vo l tage	V	24V DC ± 10%
Push / Pull Forc	N	1000
Max. current absorption	Α	1
Stroke	mm	200 ~ 800
Speed	mm/sec	5.8
Working Temperature	°C	- 15 ∼ +75
Protection Class	I P	65

K10-MH Electric Spindle Actuator (Apply in Single or Synchronous)

Specification	Unit	Technical Data
Voltage	V	24V DC ± 10%
Push / Pull Forc	N	1000
Max. current absorption	Α	1
Stroke	mm	200 ~ 800
Speed	mm/sec	5.8
Working Temperature	°C	- 15 ~ +75
Protection Class	I P	65

K10-CLH Electric Spindle Actuator (For Single use only)

<u>Specification</u>	Unit	Technical Data
Vo l tage	V	24V DC ± 10%
Push / Pu ll Forc	N	1500
Max. current absorption	Α	2.5
Stroke	mm	150 ~ 1000
Speed	mm/sec	10
Working Temperature	°C	- 15 ~ + 75
Protection Class	I P	65



K10-MLH Electric Spindle Actuator (Apply in Single or Synchronous)

Specification	Unit	Technical Data
Voltage	V	24V DC ± 10%
Push / Pu ll Forc	N	1500
Max. current absorption	Α	2.5
Stroke	mm	150 ~ 1000
Speed	mm/sec	10
Working Temperature	°C	- 15 ∼ +75
Protection Class	I P	65

■ T1-YC-AH Electric Built-in Window Control System

Specification	Unit	Technical Data
Vo l tage	V	24V DC ± 10%
Torque	N.m	10
Max.Window Weight	KG	30
Window Wide Range	mm	500~700
Window Height Range	mm	500~1100
Angle	0	≤ 90
Speed	°/s	12
Working Temperature	°C	- 20 ~ +50
Protection Class	I P	32

■ TML-H Multi-Point Lock Actuator

Specification	Unit	Technical Data
Power Supp l y	V	24V DC ± 10%
Stroke	mm	32
Push / Pu ll Force	N	200
Speed	mm/s	4.8
Max. current absorption	Α	0.7

TML-300H Multi-Point Lock Actuator

Specification	Unit	Technical Data
Power Supp l y	V	24V DC ± 10%
Stroke	mm	35
Push / Pu ll Force	N	600
Speed	mm/s	4.8
Max. current absorption	Α	1.2



■ WD-AMS-2H Manual Crank-Handle Actuator Dimension & Specification

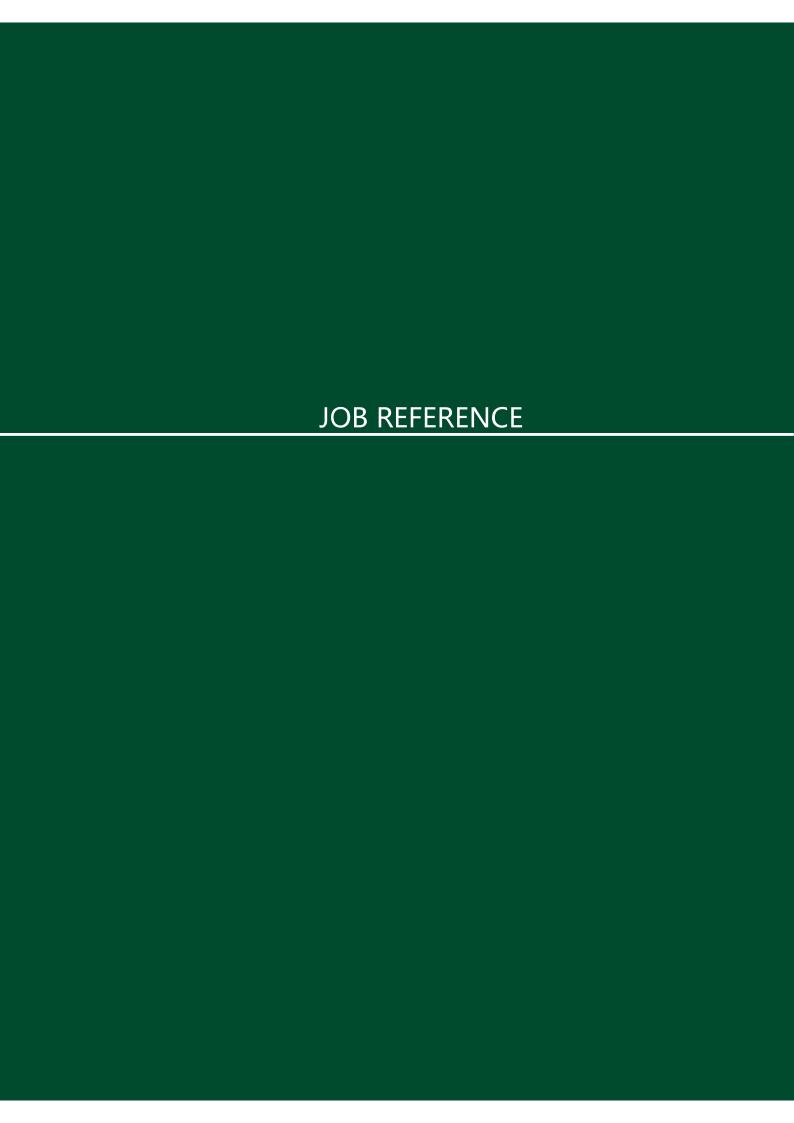
Specification	Unit	Technical Data
Overa ll weight	KG	0.5
Product Stroke	mm	200/250/300
Max. Push Force	N	100
Pu ll ey connection method		Pulley with sash profileguide rail (Standard)
Selective Option		Europe or Chinese Sty l e

GH-390LH Crank Handle

Specification	Unit	Technical Data
Applicable product		GL-850H/GL-850TH
Handle Length	mm	Standard: 91 Extra: 116
Weight	g	420
Drive Ratio		1:1
Torque	N.m	3

GH-390H Crank Handle

Specification	Unit	Technical Data
Applicable product		GL-850H/GL-850TH
Handle Length	mm	Standard: 91 Extra: 116
Weight	g	360
Drive Ratio		1:1
Torque	N.m	1







2006-2021 JOB REFERENCE (OVERSEA/HONG KONG/MACAU)







Shatin Sewage Treatment Works, Hong Kong



Disneyland, Hong Kong



University of Nottingham, United Kingdom

Oversea Projects 2006

AlgeriaNationalIndoorStadium,Algeria Vietnam National Convention Center,

2007

Airport Logistics Center, Italy

2008

Bukit Tunku Bungalow Project, Malaysia HL23 Condos at 515 West 23rd Street Manhattan, USA

2009

The University of Nottingham, UK

2010

Can Tho International Airport, Vietnam Heathrow Airport, UK Raha Gardens Community Retail Center,UAE The independent State of Samoa Government Building, Vietnam

2012

Central Market, UAE

2014

Algeria International Convention and Exhibition Center, Algeria Vinh City airport, Vietnam

2015

Alawwal Bank, Kingdom of Saudi Arabia Algeria Sport Centre

2017

Aluminium Louver project, Fiji Skylight project, Ecuador KPMG Office Tower, New Zealand

2018

French Avenue Office Building, Lebanon Millennium Centennial Center, Indonesia Sunway Restaurant Shaaz, Malaysia

2019

108 Home, Thailand Ahuja Tower, India INACAP Temuco, Chile MANA, India Residential House,

Philippines Residential project, Residential project, Dominican Republic WISS 2A Shopping Mall, South Africa

HONG KONG & MACAU 2006

Pico House at Tai Po Industrial Estate Hong Kong - Shenzhen Western Corridor Lo Wu Immigration Bridge
Hong Kong Baptist University (Shek Mun Campus) Munsang College
Tsuen Wan Chinese YMCA of Hong Kong Shatin Hin Tin Swimming Pool Phase 2
Sheung Shui KCR Station (New Wing)
Ling Wan Monastery, Shek Kong The Hong Kong Polytechnic University
Hong Kong Wetland Park Crocodile River Macau School of the Nations Education

2007

Center

Tung Chung Country Park
DHL Logistics Extension Hub ICAC,
Kowloon Office Diocesan Girls' School
Tsuen Wan District Park
Industrial Building in Tin Shui WaiRegal
Hong Kong Hotel, Causeway Bay
Pamela Youde Nether sole Eastern
Hospital Scout Association of Hong Kong
(JubileeArea151)
HKSAR Building Information Center
HKSAR Buildings Department

2008

Po Leung Kuk Ma Kam Ming College Greenhouse of Kadoorie Farm & Botanic Garden

Delia Memorial School (Hip Wo) Restaurant at Pacific Place, Admiralty Hong Kong Red Cross Princess Alexandra School

Discovery Bay International School Joint Country School of Taipa Island

2009

Alliance Primary School, Kowloon Tong Caritas Lok Kan School Po Leung Kuk Choi Kai Yau School Pooi To Middle School

2006-2021 JOB REFERENCE (OVERSEA/HONG KONG/MACAU)





Hong Kong Tsuen Wan Park



Hong Kong Stanley Ma Hang Park



Hollywood Road Central, Hong Kong



Postgraduate Student Canteen of Hongkong University of Technology, Hong Kong

Hongkong/Macau

S.K.H. Mung Yan Primary School: San Tin Barracks Sheung Shui Government Secondary School The Rraia Residential Project

2010

Australian International School Hong Kong
Cameron Road
Chei Wan Shanning Control Physics 2

Choi Wan Shopping Centre Phase 2

Dah Chong Hong Car Repair &Maintenance
Service Centre

Good Hope Primary School cum Kindergarten

Good Hope School Phase 2 Industrial Building at Bedford Road Methodist School (Wylie Road)

Pak Kau College

Po Leung Kuk Celine Ho Yam

Tong College

Shatin Tsung Tsin Secondary School Sheung Shui Sports Centre St. Francis'

Canossian School

Stanley Ma Hang Park Tak Oi Secondary School

The Hong Kong Polytechnic University

Victoria Shanghai Academy

Villa in Repulse Bay

Villa in Repulse Bay (Glass House)

YLPMSAA Tang Siu Tong Secondary School

2011

1 Purves Road, Jardine's Lookout 86B Ma On Shan, Shatin Choi Tak Integrated Service Centre for Children & Youth Diocesan Girls' School Maple tree Logistics Hub, Tsing Yi Mg Tower Hoi Bun Road School A & B at So Kwun Wat, Tuen Mun Sing Yin Secondary School St Paul's Co-educational College St. Rose of Lima's Kindergarten Tai Po Complex Tai Wai Primary School The ISF Academy, Cyberport TKO Exhibition Services & Logistics Centre Tseung Kwan O Government Complex Villa at Beacon Hill (Skylight) Villa at The Portofino, Clear Water Bay

2012

Grandview Terrace

Hoi Shing Road, Tsuen Wan Hollywood Road, the Central

The Hong Kong Polytechnic University Student Halls

Hong Kong Sports Institute

Lam Tin Complex

MTR West Rail Line Tuen Mun Station Shek Kip Mei Estate Phase 5

Tuen Mun North West Swimming Pool Tung Tau Estate Phase 9

Un Chau Estate Phase 5

Victoria Park Swimming Pool Villa at Chung Hom Kok, Stanley Villa at Mount Kellett Road, The Peak

Macao Polytechnic Institute

2013

California Tower (Lan Kwai Fong) Chung Yee Street (Ho Man Tin)

Hong Kong Baptist University Swimming Pool (Shek Mun Campus)

Hong Kong Science Park Phase 3

Kai Ching Estate - Integrated Family Service Centre

Kai Ching Estate - Kindergarten

Kai Ching Estate - Market (Kai Tak)

Kai Ching Estate - Shopping Centre (Kai Tak)

Polytechnic University - Jockey Club Innovation Tower

Shatin to Central Link - Shatin Station Tak Long Estate Kindergarten (Kai Tak)

2014

German Swiss International School Redevelopment Phase 3

Hong Kong International Airport

Ocean Park - Water Front Plaza

Pharmaceutical Factory in Tai Po Industrial Estate

Shui Chuen O Estate Phase 1 (Shatin)

Shui Chuen O Estate Phase 2 (Shatin)

Tai Lam Centre for Women

Urban Renewal Project at Shau Kei Wan Road Villa at Repulse Bay Road Wan Chai Sport

Ground

Yuen Long Industrial Estate

2015

Footbridge connect Yoho Mall to West Rail Line Yuen Long Station Gateway II-Harbor City Hong Lok Yuen, Tai Po Kennedy Town Swimming Pool



2006-2021 JOB REFERENCE (OVERSEA/HONG KONG/MACAU)



Hongkong International Airport, Hong Kong



Ocean Park (The Summit), Hong Kong



The Venetian Macao, Macau



Hongkong Science Park(SPX1), Hong Kong

Lower Ngau Tau Kok Estate Phase 2 & 6 Redevelopment Shatin
Public Library
Tai Lam Centre for Women
TKO Fire Services Training School
cumDriving

Training School at Pak Shing Kok TWGHs David trench Home For The Elderly Wan Chai Swimming Pool

2016

Gateways at Tsing Yi Lei Yue Mun
Estate Phase 3
Marymount School
MTR West Rail Line Tuen Mun Station
Re-provisioning of Wan Chai Swimming
Pool Sai Kung Villa
Shui Chuen O Estate - Kindergarten, Shatin
Shui Chuen O Estate Phase 3 & 4, Shatin
The Shanghai Commercial Bank The
Venetian Macao Resort Hotel Tsing Yi
Sports Centre

2017

Christian Alliance International School Hong Kong Children's Hospital Industrial Building at Hing Yip Street Industrial building at Lei Muk Road, Kwai Ching

L'Aquatique (Tsing Lung Tau Residential project)

MTR West Rail Line Nam Cheong Station) MTR West Rail Line Nam Cheong Station Organic Waste Treatment Facilities Phase I,Siu Ho Wan

On Tai Estate, Anderson Road Reprovisioning of Harbour Road Sports Villa Cove, Pik Sha Road, Sai Kung

Chan Sui Ki (La Salle) Primary School

2018

Choi Hing Court (Choi Hing Road)
Fortune Pharmacal Factory (Yuen Long)
Hoi Ying Estate, (Cheung Sha Wan
WholesaleFood Market Site)
Hong Kong Science Park Expansion
Industrial Building at Wing Hong Street
Integrated Rehabilitation Services Complex,
FukTong Road
Khora, Bedford Road
Taikoo Place 2A Walkway
The Lohas, LP Rink (TKO)
Yau Lai Estate Kwun Tong,
(Eastern Harbour Crossing Site Phase 7)

2019

Enhancement of Tai Lam Centre for
Women Harbour East (Electric Road) Lai
Tsui Court (Tonkin Street) - Carpark
&Kindergarten
PRH and Community Hall development at
Sau
Ming Road
Re-provisioning of Sai Yee Street
Environmental Hygiene Offices
Shatin (Tai Wai)Clinic
Technology - Global Graduate Tower
URA Kwun Tong Town Centre Redevelopment

Athletes Training Center of Macau

2020

Texwood Plaza, 183 Wai Yip Street
Pak Tin Estate, Phase 7-8 & 11 Public
Housing
CUHK, Faculty of Medicine
Yuen Long Sport Association
Au Pui Wan Street, Fotan subsidiary
Housing
Shatin Methodist Primary School
Tung Chung Lot 27 subsidiary Housing
Nam Cheong Street Module Social Housing
HK UST Post-Graduate Student Dormitory
TKO zone 65C2 Community Hall
St. Paul's Primary Catholic School

2021

207 Wai Yip Street Industrial Bldg. 213 Wai Yip Street Pioneer Place Shatin Methodist Primary School TKO Immigration Dept Headquarters Government Estate at Lai King Shan Road To Shek Street, Shatin Government Estate at Chung Nga Road, Tai Po Fortune Pharmacal, Yuen Long Lot 428, Ma Kok Street, Tsuen Wan The Handerson, Murray Road 2, Central AMC (TKO) - Hong Kong Science Park KaiTak Commercial Complex - Lot6557 Kwong Wah Hospital Phase 1 Morse Park Treasury Building Tsung Tsin Primary School Tai Po Zone 9 Housing Development Program

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Guangzhou Guangzhou Ersha Island



Dongguang Dongguan Science and Technology Museum



GuangXi GuangXi Sport Stadium



Sichuan Jinsha Site Museum



Tainjin Tianjin Nankai University



Shenzhen Shenzhen International Airport



Guangzhou, Guangdong Industrial University Library



Shanghai Shanghai Oriental Art Center

2003

Changzhou LEONI Cable (Changzhou) Factory Shanghai An Ting Used Car Center Shanghai Chemical City AdministrationBuilding, Recreation Unit, Tennis Stadium Shanghai Thyssen Krupp Nirosta GmbH Factory Administration Building Shanghai Tropical Botanical Garden Suzhou Gold Mantis Project Demo Building Tianjin TEDA Public Library Zhejiang Hangzhou IRS 2004

GuangXi Sport Stadium
Dongguang Youth Activity Center
Sunshine City Feili Bay
Shenzhen International Airport
Guangzhou SUTDIO DESTRO
BFA Int. Convention Center Golf Club
Hangzhou Xiwu Expo
Municipal People's Government of Lianyungang
Nanjing Olympia Stadium & Sport Center
Nanjing Lukou and International Airport
Xiamen Botanical Garden
Shanghai International Auto City Administration
Cemter
Shanghai Brilliance West Shopping Mall

Shanghai Oriental Art Center
Shanghai Custom College
Shanghai KAO Chemical Factory
Shanghai Property Building
Shanghai Siemens Office
Shanghai Zhangjiang Hi-Tech Park-German
Center
Shanghai Zhongchao Print Machinery Factory
Shaoxing City Construction Building

Shenzhen Furniture Design Institute

Shanghai Property Building

Center Tianjin Nankai University WuHan Jinglung Technology Industrial Park University Wuhan Commercial Bank Phrase II Hangzhou Xiaoshan International AirportZhengjiang Yiquan Hotel

Shenzhen Long Gang Cultural & Recreation

2005

Beijing JiuXian Qiao Hospital Chengdu Jinsha Museum Phrase Dailian Wenyuan Villa Dongguan Science & Technology Museum Guangdong Industrial University Library





Guangzhou Pazhou International Convention and Exhibition Center



Beijing Beihang University Aerospace Research Building



Jilin University of Finance and Economics



Xi' an Xidian University



Shanghai Shanghai Xintiandi



Xiamen Xiamen Jia Geng Gym



Kunming Kunming World Horticultural Expo Garden



Jilin Jilin Natural History Museum

Guangzhou Ersha Island Guangzhou Jinhai Commercial Building Guangzhou China Import and Export Fair Pazhou Complex Guangzhou University of TCM Library Harbin Jin an Europlaza Harbin Hua'an Property Haikou Meilan International Airport Jilin Natural History Museum Shanghai Capital and CUBE Kunming World Horticultural Expo Garden Nanging Youth Science & Technology Center Nanging Club Med Xiamen Jia Geng Gym Shaanxi Chinese Academy of Sciences Guangzhou Jinhai Commercial Building Shanghai ATP International Tennis Center Shanghai - East City Park - Club House Shanghai- Hi-Shanghai - Club House Shanghai Immigration Department Control Shanghai Xuhui District Youth Activity Center Shanghai General Hospital Shanghai Tongji University Campus Shanghai Xintiandi Shanghai Resource Plaza Shanghai Zhangjiang Riverport Harbor -Club House Shanghai Zhongguangcun Science and Technology Tower Shenzhen Star River SoHo Shopping Park Suzhou Municipal Public Security Bureau Suzhou Municipal Transportation Bureau

2006

Ericsson Bejing Building
Beijing Olympia Facility (Arrow &
Shooting)
Beijing Beihang University R&D Tower
Beijing New Poly Plaza
Chengdu Jinsha Meseum Phrase II
Guangzhou Baiyun International
Convention Cente

Taicang Civil Defense Office

Ruihuajing(Tianjin)Museum Tianjin University of Sport

Xi'an Xidian University

Bureau Activity Center

Wuxi Taimaike Motorcycle Workshop

Xinjiang Petroleum Administrative

Jinci Hotel Taiyuan





Shanghai, Tongji University



Shanghai Shanghai South Rai**l**way



Xiamen, Seaview Resort Xiamen Exhibition Center



Ningbo International Convention and



Nanjing Jiangning Sports Center



Chengzhou Zhengzhou Henan Geological Museum



Suzhou, Suzhou University Bling Library



Dailin Dailin shipyard

Guangzhou Yuexiu District Civil Sport Centre National Astronomical Observatory Harbin Mengkehui Business Plaza Hainan East China Sea Art Centre Hebei Langfang Army Construction Henan Geological Museum Main Building Heilongjiang Institute of Technology Librar Huainan City Sports Culture Facilities Nangjing Jiangning Sport Centre Kunshan Bank Note Paper Mill Shanghai Liu Chong Hing Financial Center Fujian Nanping Aluminium Co.,Ltd Nantong Sports Exhibition Center Ningbo International Convention and Exhibition Center Shandong Qingdao Traditional Handcraft & Embroidery Xiamen Hayatt Hotel Shandong Weichai Power Office Shanghai National Accounting Institute Shanghai The Zhabei Centro office Shanghai Kelun Biological Engineering Co., Ltd Shanghai Unilever Shanghai Greenlang Group Building Shanghai Pudong International Airport Cargo Warehouse Shanghai Railway South Station Shanghai Tongji University Shanghai Sakura Resort Shanghai Yuehu Villa District Shanghai Zhang Jiang Catholic Church Shanghai Electric Groups Co., Ltd. Shenzhen Oriental Garden Shijiazhuang Xixian R&D Center Suzhou University Library Infovision Optoelectronics(Kunshan)Co.,Ltd Shangxi Taiyuan Military Guest Room Shenzhen Huanggang Immigration Building Xuzhou ESCO Shandong Yantai World Trade Center Chongqing Yu Huai Railway -Huaihua Station Changchun City Government Office Building

2007

Anhui Wan Investment Commercial Building
Beijing Aerospace University
Beijing Hou Feng Technology Limited-Sun Island
Beijing Laoshan Recycling Field
Beijing Experimental Primary School Buildings
Dalian Neusoft, International Software Park
Dalian Maternity Hospital

Shanghai China Union Pay Office Chongqing Jinke Grand Hotel





Chongqing Yubei Sport Stadium



Shengzhen COCO Park Shopping Ma**ll**



Zhengzhou Xinzheng International Airport



Jinan Olympic Center



Lanzhou Nakaga Airport



Changchun Modern Agricultural Park



Guangzhou, Baiyun International Airport



Shanxi, Taiyuan Railway Station

Dongning Huayu Building Guangzhou Higher Education Mega Center Guangzhou Country Garden Villa Guangzhou Parkview Bay Guangzhou New Sport Stadium Guangzhou Summer Palace Golf Chateau meHainan Provincial Party Committee Buil Hainan Provincial Government Building Hanzhou Huarui Center Henan Chengzhou Tourism Center Hegang City People's Hospital Sunshin Hubei Telecom Customer Activity Center Hubei Provincial Committee General Office Tennis Hall Huainan Sports Center Ma'anshan City Government Park PARK Nanjing Tech University Pukou Campus Spo

Nanjing Tech University Pukou Campus Spo Ningbo The New Bund 5# Metro Qingdao International Convention Center Shanghai no. 2 0 5 New Technical Buildi Shengzhen COCO Park Shopping Mall Shenzhen Kengzi Bus Terminal Shenzhen Galaxy Development Center Shenzhen Huiyang Zhenye City Villa Lands Shuguang Grain Storage Suzhou University Press, Storage and Transportation Center Suihua Municipal No.1 Hosiptal (Heilong Jiang Province)

2008

Beijing Guo Mie Shopping Arcade Beijing Raffles City DaLian Rome Electronics DaLian Xin Xing Lu Cheng Clubhouse Dalian Intel Toyota Logistics ,ChangShu Fujitsu General Central Air Conditioning Project GanSu Tianshui Airport Beijing Industrial and Commercial Bank Data Guangzhou Baiyun International Airport HangZhou Di Kai International Project HangZhou Yin Passenger Transportation HangZhou State Yuan Building Jinan Olympics Center JiaXing China Hong Kong City JiangNing Land-Tax Complex Building LanZhou Nakaga Airport

BeiHang Scientific Research Building, Beijing





Shantou **Shantou University** Library



Shenzhen Shenzhen China South City



Hangzhou National Water Museum of China



Xi' An Gate of the Xi' an Metropolitan



Shenzhen Luohu Port Custom



Beijing YiZhuang Economic-Technological Development Area



Shanghai East China University of Guangzhou Tanwei Station Political Science and Law



LanZhou Nakaga Airport Office Building of Ningbo Land and Resources QingDao Laoshan Human Resources Building QingDao Stadium QingDao Complex Building Fencing Hall of Tsinghua University ShanXi Province Government Official Building Shantou University Library Shanghai Building Shanghai Electricity Demonstration Hall Shanghai Harbor Affairs Building Shanghai Xiang Mei Clubhouse Shenzhen China South City Shenzhen Youth Library Sheng Shi tian Jiao Residential Area, QuanZhou TianJin Hong Steel Phrase IV TianJin Sai Xing Hotel Urumqi Airport Gate of the Xi'an Metropolitan Xi'an Gold Cerise Chinese Garden Da Lian Yi Zhuang economy Development Zone Yingshan Railway Station renovation construction YunNan Yuxi Nie Er Theater ZheJiang Jiasha County Civil Air Defense 0501Projects ZheJiang New China Press ZheJiang # 2 Building, HangZhou

2009

Beijing Supervise Institute Beijing Police Hospital Beijing Happy Villages III Beijing CEIBS Commerce Institute Dalian Gan Jingzi Court Dalian Convention Center Dalian Pottery Studio Deqing Administration Center Tailao Train Station Guangzhou Peninsula Garden Guangzhou Tanzania Station Harbin Development Building Hangzhou Country

Suzhou CAAC Lei Yuan Production's Base





Wuhan Hankou Railway Station



Beijing Raffles City



Shanghai **I**kea Shopping Center



Shanghai Expo Center



Wenzhou Wenzhou Railway Station



Shanghai Shanghai International



Guangzhou Guanzhou Baiyun International Convention Center



Shanghai Shanghai International Financial Center

Jilin Saintly Spring Jiamusi Sport Stadium Jiangsu BoS Automobile Parts (Taichang) Jincheng Mining Bureau Fine Coal workshop Kunming China Eastern Airlines Building Nanjing Cuntan Port Comprehensive Building Nanjing Health School Nanjing Newly Developed Area A11 & A17Ningbo Bin Jiang Leisure Ningxia Mast International Commerce Center Quanzhou Seascape Villa Phrase I Qinghai Yushu Bangtang Aiport Xia men University International ConferenceCenter Xiamen Xiashun Aluminum Foil Co., Ltd. Shanxi Guitong Building Shanxi Tongda Building Shantou East Printing Factory Shanghai Port International Center Shanghai International Financial Center Jiading Hongde Middle School Library Shanghai World Expo Village B Shanghai World Expo, Japan Hall Shanghai World Expo, Wan Ka guan Hall Shanghai World Expo Center Shanghai Starriver Phase 1 Club house Shanghai Yangkou Port Ganbu Center Shanghai Public Security Bureau Technology Training Center Shenzhen Industrial District Stadium Suzhou Elegant Factory Suzhou Jing Huayuan Tai Zhou Train Station Tianjin Automobile Tire Assembly BuildingTurfan Airport Wenling Train Station Wenzhou New Train Station Wuhan Hankou Train Station Wuhan Central Financial Center

2010

STX (Dailian) Dockyard Beichuan Sport Stadium

Chongqing Cisdi Building

Zhuhai Green Village Tennis Hall

Yinchuan Discovery City

Yuexi Administration Business Center Yunnan First People's Hospital Changxing Media Center

ZhejiangNature Electric Appliance Ltd Industrial and Commercial Bank of China Business Operation Center COFCO Grains & Cereals – Dalian Rice Mill Comprehensive workshop





Dongguang Youth Activity Center



Yuncheng Yongji Sports Center



Shenzhen DayaBay Nuclear Power Plant



Shanghai Shanghai Pentagonal Mart



Shanghai East Sport Stadium



Guangyuan Guangyuan Wanda Quanzhou SeaView Villa phase 2 Mall



Shijiazhuang Hebei KaiYuan Tower



Hainan Boao Forum for Asia

Beijing Traffic Control Center Beijing LiShan Building Beijing Botanical Garden Greenhouse Skylight Bejing Post Office Yuxi Gaoxin District Science and Technology Park No. 1 Comprehensive Testing Factory Dalian China Resources Dezhou Holiday Goden Bay Hote Toyota Gosei (Zhangjiagang) Plastics Products Factory Fujian Province Police Headquarters Fujian Paralympics Games Stadium Gansu Jinchang Airport Ganzhou China Airline City Area A The First Affiliated Hospital of Guangxi Medical University, Emergency Department Guangzhou Inner Harbour Phrase II Guangzhou Jiangnan Xinyuan Guangzhou Zhujiang New City Hainan Provincial Committee Office Building Hangzhou Gemdale Mega City

Hangzhou Sanli Time Square Hangzhou Shaoxing Baohui Building Hangzhou Modern Building Hangzhou XinYaDa Plaza Hebei Kai Yuan International Center Jinan Zhongtie Hui Zhan International Jiayuguan Airport Jiangyin Sanfang Lane Techno logy Building

Kunming Ruiheng Villa Kunming Power Plant Kuming Airport Nanjing Pharmaceutical Testing Building

Nanjing Politica l College Shanghai Branch Ningbo New Port5# Area Qingdao WMH Herlon

Antriebstechnik GmbH

Shandong LINYI Airport

Shanghai East Sport Stadium Shanghai Port Waigaoqiao Phrase VI Project

Shanghai Oceanographic Engineering Science and Technology Office Building

Shanghai Soho Century Avenue Shanghai Meteorological Building

Shanghai Pentagonal Mart Commercial Building

Shenzhen Binhai Hospital Shenzhen University Town

Shenzhen Daya Bay Nuclear Power Plant Shenzhen MTR Line 5 Tanglang Station

Shenzhen Grand Skylight Garden Hotel Shenzhen Airport Logistics Center

Shenzhen Longgang Sport Stadium

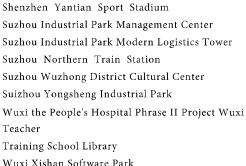




Shenzhen Shenzhen Yantian Sport Stadium



Suzhou Suzhou Station North



Shenzhen Wanke Reporting Center

Wuxi Xishan Software Park Xian MTR Line 2 Administration Center Xian Hongtian Unit 618 Xianning Nuclear Power Pl ant Reception

Xinjiang International Convention and Exhibition Centre

Xinjiang Korla Stadium

Yantai Laishan Highway Techno logy Breeding Center

Yanan Airport

Zhanxin Market Complex Curtain Wall Project Chongqing Yubei Sport Stadium Zhuhai Leisure Hotel



Haikou Meilan International Airport



Urumchi Xinjiang International Convention Center Night Scene



Yan' an Nanniwan Airport



Qingdao International Convention Center



Dailian Dailian Sports Center



Shanghai Pudong Airport

2011

Beijing Unit 699 Factory BeijingJingmienOne Beijing Union Hospital

Chengdu Borui Chuangyi Technology Breeding Buildi

Changzhou Denso Fuel Injection System Co., Ltd Chengdu Wenjiang office building

Daikin Device (Suzhou) Co., Ltd.

Guangdong Puning International E-commerce Ci Guangdong Qingyuan Lions Golf Resort/Macao

Fisherman's Wharf

Shantou Lafayette 148 Ne w York Ltd.

Hefei Yuhui Garden project

Hubei Provincial Library

Integrated Development Plan for the Capital Economic Circle-

Engineering Program planning project Jieyang Chaoshan International Airport-China Southern Cargo Terminal

Hainan Branch Hospital of Chinese PLA General Hospital

Liaoning Danton Airport Passenger Building Inner Mongolia Ordos Municipal Party Committee School





Nanjing Olympic Games Sport Center



Tianjin Tianjin Cultural Art Center Library



Beijing Peking University International Hospital



Yancheng Yancheng Cultural Art Center



Shenzhen Shenzhen Airport T3 Terminal



Guangzhou Pazhou International Convention and Exhibition Center



Shenzhen Shenzhen China Merchants P**l**aza



Suzhou Suzhou Railway Station

Shenyang Metro Hunnan Carpark Complex
Shenzhen Bay Hotel
Shenzhen CITIC Green Golf Hotel
Tianjin Cultural Centre Library
Wenjiang office curtain wall decoration project
WuxiMunicipality Primary School Sport Stadium
Xi'an Qujiang Cultural and Creative Building
Yantai Longkou Arboretum
Yantai Longkou Arboretum
Yantai Domain de Pengla
Yuxi Gaoxin District Science & Technology Park
Jiangsu Shimomura YOZO project
China Eastern Airline Meeting room
Zhuhai Ronghong Junior High School

2012

Beijing Peking University International Hospital Beijing Lishan Building Swimming Pool Beijing CNR Mall Bejing Choi-chi International Building Dalian Sport Institute Fujian School Guangxi Stadium Phase 2 - Diving Centre Harbin Innovation of Science and Technology Building Hainan Shimei Bay International Marina Club Hainan Shek Pai Wan Public Housing CN5A Hangzhou Jinhua Stadium Huangshan's Boutique Produce Line of Hefei Cigarette Factory Hefei Normal University indoor sports arena Hebei Huang Huagangning Coal Office Nanjing Tangshan Easpring Resort Jiangsu Nantong Long Xin Park Club Jiangsu Yancheng Culture Art Center Jinfu Garden Phase 3 Inner Mongolia Ordos Zoo Inner Mongolia Erdos Children's Palace Qiqihar International Convention Center Qingdao Taibo Office Shenzhen Airport T3 Shenzhen Shennan Circuit Shenzhen One City China Merchants Tower Curtain wall project Shengyang Beihai TESCO Shengyang, Phoenix City Shenyang Mi Qilin Auto Tyre Factory Shenyang Agricultural University Library Suzhou Train Station Taicang Wanda Commercial Hotel

Tianjin Fengtong Auto Tyre Assembly Line

Wuxi lihu Xincheng Xiangge View





Shenzhen Shenzhen Kexing Science Park



Tianjin China Bohai Bank



Xi' An Daming Palace Wanda Palace



Xinjiang Horgos Port



Beijing Wan Liu Complex Center



Shanggai Shanghai Symphony Orchestra



Huhehot Station Square



Heifei Shangri-La Hotel Hefei

Wuxi Seine Manor Wuxi Cultural Palace Yunnan Dali Shanshui Jian Phase 2 Xinjiang Karamay Convention and Exhibition Centre Phase 1 Yantai Laishan Procuratorate

HongKong Parkview
Zhejiang Fenghua Xiangshan Villa
2013

Beijing Automotive Industry Holding Co., Ltd Beijing Wanliu Mall Chengzhou Red Star Macalline Showroom

Beijing, Automobile Industry R & D Base

Jiangsu Jinxinda Fiber New Material Technolog Group factory project

East China Sea Taibo Office
Foshan Gaoming Stadium
Hainan Lingshui Li Autonomous County Culture
Center
Hangzhou Dahua, Xixi Fengqing
Heifei Shangri-la project
Jiling Siping Dafu Engineering

Jiangsu Hongjian Internationa Kuming, Sales Department of Vanke Meili Zhicheng Nanjing Wanda Plaza Ningbo, Bank Insurance Office Building Xiangan Area, Swimming Pool of Xiamen University

Jiangsu Province Sport Bureau

Xiamen Jian fa Mid Levels Garden Shangdong Province Linyi 32 College Shanghai Hongxiao Electronic Shanghai Symphony Orchestra Shanghai Pudong Wada Plaza

Shenzhen Factory of Fuanna Housewares Limited Shenzhen Kexing Science Park Phase 2

Shenyang Wolonghu Lake 85# Suzhou Gas Services Centre,

Taicang Surveillance Technology Building Taicang Science & Technology Information Industrial Park

Tianjin China Bohai Bank
Wuxi Guilian Shenxin Apartment
Wuxi Area 1C of Industrial Park, Wuxi
Wuchuan Lin Zhai

Xian Daming Palace Wanda Plaza
Xian Hilton Hotels & Resorts
Xianjiang AKSUInternational Expo Center
Xinjiang Horgos Port
Xinghua Shaoyang Lake
Ya-Jie Office Building
Yinchuan Agricultural Station





Changchun Changchun Longjia International Airport



Guangzhou



Xiamen Gaogi International Airport T4 Terminal



Linyi Revolutionary Memorial Hall



Shanghai PSA Builidng



Jiangmen Wanda Plaza



Zhuhai Fuhuali



Hainan CR Shimei Bay International Marina Club

Yinchuan Grass Ring Station, Yuanyang Garden Bo 21 Changchun Longjia International Airport Changjiang International 72 Project Changsha Huadu Garden Zhejiang Zhoushan Zhongao Power Building Zhenjiang Wada Plaza Zhangzhou Kai Lin Hui Villa Zhengzhou Wanda Plaza

2014

AnhuiSales Department of Tongling Hengda Beijing Yu Lebeibei Yingyou'er Natatorium Shengzhou Wada Plaza

Dalian Library

Gansu Provincial Maternity and Child-care Hospital

Huangsha Station of Guangzhou Railway Harbin Hohhot Eontime City

Hang Zhou The Construction of Ecological Forest Command Centre

Cultural Activities Center for University Students of Heilongjiang Institute of Technology

Jiangbei Central Park Headquarters Building

Jiangmen Wada Plaza

Jiangsu Wuxi Software Park

Linyi Sales Department of Lu'an Hengda

Sanya Haitang Bay

Xiamen Gaoqi International Airport T4

Shanghai International Port Building

Shenghai Overseas Chinese Town

Shanghai Xuhui Court

Shaoxing Keqiao Civil Defense Building

Shenzhen Kexing Science Park Phase 7

Shenzhen Mini MIXC

Shenzhen Xiangmi Lake Villa

Shenzhen Genzon Glof Club

Shenyang Kaisa Group

Suzhou Science and Technology Park

China National Offshore Oil Corporation Building

Tianjin Everybright Bank

Tianjin Fusion of Nankai Center Plaza, Jiefang North RD

TianjinStarting Zone 03-26 of Jiabao's Financial District

Wuxi Shuofang Airport

Wuxi Wada Plaza

Xian Metro Line 2 Administration Centre

Xian Angsana Lintong

Fuzhou Olympic Sports Center

Hohhot East Railway Station Plaza





Beijing Radince



Changzhou GlobalHarbor



Suzhou The Gate of Eastern



Shenyang New World Department Store



Kunming Dianchi International Exhibition Center



Changsha Changsha South Station



Suzhou Suzhou Science and Technology Town



Ningbo The Bank of Ningbo

2015

Sky Square Lot no. 2011-B-77 Audi 4S Shop

Beijing Beihang University Research Activity Building

Beijing China Machine Press

Beijing Tianlead

Beijing Beikong Business Conference Center Beijing Jinhui Mansion

Changzhou Global-Harbor Commercial Centre

Chengdu Jiu Xing Nan 192 Project

Gate of the Orient

Guangzhou GAC BYD New Energy Co., Ltd Guangzhou Luogang Wanda Plaza

Guangzhou Nansha Wanda Plaza

National Internet South Base Phase 1 Hohhot East Bus Passenger Transport Project

Hainan Mission Hills Town Centre - Business

StreetHopson Mode

Wunan Changde Taohuayuan Airport

Jiangsu Life Science & Technology Innovation Park Changzhou Science Education City 5/F

Kunming Dianchi Lake International Convention

and Exhibition Centre

Yueqing Headquarters economic park Phase 1, Block 1-4, Block 5 & 7

Licang District Guangshui Road Primary School

Auhui Dangtudong Railway Station

Nanning Anji Wanda Plaza

Bank of Ningbo

Pula Valley Vineyards Cluster 6/F

Bank of Samba

 $Xiamen\ Pearl\ Plaza Shanghai\ north\ bund\ transport at$

Shanghai Tongji University Renovation Project

Shenyang New World Expo

Suzhou Science and Technology Town

Shanghai Vanke South Station CBD

Bank of Minfeng on Taixhou

The Cullinan (High level floor)

Power Source New Energy (Jiangxi) Co., Ltd.

Wenling Mintai Commerical Bank

The South Coast of Wulanmulun Lake C03-02

XI'AN Aircraft Industry-No.634

Warehouse

Xian Golden Mansion

The court of Law, Xuzhou

Yujiapu China, World Financial District 03-26 Changsha Maglev Express- Airport Railway Station

Changsha Maglev Express-Langli Railway Station





Shenzhen mini MIXC



Shenzhen One City



Hubei Hubei Provincia**l** Library



Jiaxing Convention Center of Wuzhen Internet Conference



Xiamen Fliport Hotel



Changsha Changsha Station Renovation



Yichang
Olympic Sprots Center



Zhuhai Chimelong Penguin Hotel

Changsha Maglev Express-South Railway Station Changsha Railway station renovation project -Wide Waiting Room

Changsha Railway station renovation project - #3 Waiting Room

Changsha Railway station renovation project - #4 Waiting Room

China International Service Waibao Xinshichang Exchange Centre Mobile Call Centre (Huaian)-Customer Room

China Mobile Call Centre (Luoyang) Phase 1, Engineer, Customer and Production Block Zhuhai Chimelong Penguin Hotel

2016

Baohuabojun Garden Baohwa Chengdu Qingyang Wanda Plaza Changshanan Station to T2 Airport Station Henan, Grand View HaiKou Bus Terminal Phase 1 Wuzhen Internet Centre China Resources Vanguard Building Industrial Technology Research Institute Nanjing Life Science Park Nantian liuhe city phase ii landscape pavilion Ningbo Intelligence City Xiamen Fliport Hotel Xiamen Fuxing Building Xiamen Seaview Resort Phase 1B -Tennis Court Shanghai Puijiang Hi-Tech Park A1 Shanghai Sunshine City Shanghai Hongyuan and Art Center Shenzhen Pinghu China South City Shenzhen Ebonr Building Su Di commercial office of plot 2003-b-42 Suzhou Daikin Taicang Biomedicine Innovations Industrial Park

China Vanke Dongguan Botanical Garden
WenlingMintai Commerical Bank
Xi'An Xifei 370
Xian Aircraft International phase 2
Star City International Plaza Shopping Center
Yichang Olympic Centre
Xiamen YuanChang BaoShu Bay
Changsha Railway Station Waiting Room
Changshan Airport Waiting room # 2
Zhejiang University
China National Tobacco Corporation Hefei Design
Institute

Tianjing Wuqing Sports Centre





Guangzhou Wanda P**l**aza (Luogang)



Bengbu Bengbu Sports Center



Nanning Anji Wanda Plaza



Zhejiang Benxi Senior Middle School



Wuhan China Optics Valley Convention & Exhibition Center



Shenzhen Potofino Xiangzi**l**i Phase 4



Shanghai Minquan Mengd



Chengzhou Garden / Flora festival / exposition

China Mobile Loyang Call Centre Phase 1 Stage 2

China Mobile Huai'an Call Centre Phase 1 Stage 2

Chongqing Fortune Plaza

2017

Fengdong modern service trade enterprise gathering Area

Baijie Central Park

Anhui Bengbu Sports Center

Baoding Qingyuan Korean Glass Co., Ltd workshop

Beijing Municipal Administrative Center Boneng Financial Center

Deqing science and technology new city Henan Zhengzhou #11thGarden Expo Park Donghai Tahoe Plaza B3

Fengdong Free Trade Industrial Park Project Foshan Keteng aluminum products Co., ltd. 001 Foshan Suning Plaza

Optical Valley Technology Exhibition Center Guizhou Health management vocational and Technical College

Reconstruction project of Harbin Jiamusi station Hai Hua Island

Hengchang Lufu mansion phase II

Huzhou Experimental Kindergarten

Overseas Chinese town xiangshanli (phase IV) Environment energy power integrated R & D platform

Jiading New Town C13-1

Jiangshan City Administrator Building of Wenxi Middle School

Bus Rapid Transit System (ERT) Tong'an hub station (phase I project)

Lanzhou West Railway Station engineering decoration

Space Engineering Circular Bridge (1st Tender) East Zone

Liuzhi memory third line construction Industrial Park - third line Museum

Minquan County Mengdie exhibition center vice

Nanyang Wolong Comprehensive Bonded Zone Pingba District mass

Aluminum alloy casting project of key auto parts Rongbang Pacific Shopping Center

Rugao Rural Commercial Bank office building Ruzhou construction investment building Xiamen Strait Pearl Plaza





Quanzhou **Public Cultural Center**



Zhuhai Beijing Institute



of Technology, Zhuhai



Beijing Bejing Municipal Administrative Center



Baoji Baoji Culture and Art Center



Haikou Haikou Citizen Tourist Information Cener



Xiamen Xiamen The MXIC



Heilongjiang Jiamusi high speed railway



Ningbo Ningbo City **Exhibition Hall**

Shenzhen Jingang building, da chan Wan Port Area, Shenzhen Qianhai Teaching building No.3Primary

Tourism project of permanent site of world Mazu Cultural Forum

Hechang Primary School in wuxi Taihu New

TianjingNine year compulsory education school

Tongchuan Sports Stadium Guomao Center

Xinjinggang West Block Project (phase II) New campus of YangZheng Middle school Yaojiang Wending Garden

Shenzhen Esun Creative Technology Building Viet-China Friendship Palace

Yunlan Hotspring Resort 5# Banquet Curtain Wall

Zaozhuang Citizen Service Centre China Mobile Huaian Calling Centre

China Capital Market Institute CSCEC Jin Xiu Cheng phase 2 Officwe Chongqing Zhongyu International Club Jinan Chery Jade Yamen phase 1

Bank of Chongqing Building curtain wall 2018

Anhui Jiayuan Square Anji Langjing Garden Anshan Fuli sales office and model room Bayannur Hetao College Baoji Culture and Art Centre

Zhuhai College of Beijing University

Technology- Sports Culture Hall Binjiang District Binwen Road Senior/Primary and

Secondary School office building Chenyang water paint Industrial Park

Chengdu Global Trade Plaza

Chilong Lake National Wetland Park Fenghua Jinmingfu Art Exhibition Center

Haikou Citizen Tourist Center

Haining City Ganhe street historical and Cultural District

China Resources Shenyang 24 Cities Jinhua culture and Technology Center No. 23 Airforce Plant 3506

Lanzhou Red Mansion Times Square Green city life experience Hall

Ningbo City Exhibition Hall

Quanzhou Public Cultural Center Talent technology R&D building

Xiamen China Resources MIXC(2013p16 plot project))





Suzhou Suzhou Second Library



Xi' an Innovation Harbor



Shanghai Xiandi Hongqiao Commercial zone



Zunyi Grand Theatre



Foshan Da City



Shenzhen Q_Plex



Wuhan Changjiang International Shipping Center



Zhanjiangxi Railway Station

ShanghaiElectric Power University Lingang New zone phase 2

ShanghaiElectric Power University Lingang New zone phase 1

Shanghai International Automobile City of Tongji Science and Technology Park (Area D of 01A-02A)

Shenzhen national animation Industry Base-

Animation building

Shenzhen Wanghai school

Suzhou 2nd Library

Communication Precision Accessories Production Wuzhen Internet Banquet Center

Wujiang Shengjiashe Curtain Wall

Xi Yun tai Nan District 5th phase

Yancheng Zhonghai-Wanjinyuan South Garden Yikai Shopping Mall North Block

Yu Zheng Chu Chu (2013) No.50 plot Zhanjiang West Railway Station

Changsha Airport Corridor of terminal T2
Zhengzhou Wenyuan South Road Project
Zhongan Century Plaza Curtain wall project
2019

Poly Fengtai Headquarters Base Dongxihu Sports Center

Red Island International Convention and Exhibition Center

Histem - the star of the age Haihua Island dam and yacht wharf (guardrail))

Jiading New Town F01A-1

Shaanxi Xi'an City Riverside Hotel Phase II

Rizhao Tennis Center

Technology Innovation Port Base of Western China DA City

Xi'an of Shaanxi Provincial Library

Wuhan Economic Development Zone Intelligence

Science and Technology Park

Huaqiao comprehensive financial service operation center

Outstanding automotive system R & D base of PEO Yingrui

Zhengzhou Citizen Center

The Embassy of the P.R.China in the Republic of Kazakhstan

Qiaochengfang Curtain Wall

Xindi Hongqiao Business District main function area logistics area plot 1

An Tai- Yuehu Bay

CSC Wuhan Yangtze River Shipping Center

Dalin Galleria Galleria

Majiabang Health Food Town





Dailian Dalian Maritime University Library Natatorium



Chongging Fortune Plaza



Guangzhou South China University of Technology Guangzhou International Campus



Yan An Seazen Wu Yue Shopping Mall



Chongging XianTao Big Data Valley



Foshan Railway Investment and Construction Group



Xi' an Qinling Botanical Garden Herbarium, Greenhouse



Lanzhou Lanzhou **University Student Dormitory Energy Saving** Renovation & Comprehensive Repairing

Dalian Maritime University Library and Natatorium Exhibition Center of national network security talents and innovation base Wuyue Plaza

Tengchong Mazhan volcano area Suzhou Industrial Park Dongyan Road Primary School

Guangzhou International Campus of South China University of Technology (phase I) Henan Province information security industry demonstration base construction

Suzhou dk20120042 plot (Park Hyatt Hotel and apartment)

Hengqin International Business Service Base and Supporting Phase I

Herbarium and greenhouse of Qinling National Botanical Garden in Xi'an

Pingshan District Tian Tian school Class 36 primary school project of x-03 plot in

Jiangyin Hengda Central Plaza Vanke Mountain View City (Zhongyuan Financial Building)

Xiantao Data Valley Phase II Shuyang Wanda Plaza

Lanzhou University Student Apartment Energy Saving renovation maintenance

Xueshan area

Winter Olympic Games Non-registration VIP Center Evergrande (Phase 1)

Chengdu Tianfu International Airport Terminal, Fire Service Center, Security guard Service office Jinan Wealth Times Plaza

Suzhou-Chuzhou Blue-collar and White-collar Apartments

Aoyuan Exhibition Plaza

Shanghai Gold Exchange Shenzghen Operation Center

Xinxu Kindergarten

Nanjing Lukou Airport City Culture Complex Center The New Office of Shenzhen Bay Custom Facility Construction

The Times Garden

Shimao International Plaza Tai An Wanda Plaza 1# Building

Jiangnan-URD-Zone C

Fujian Academy of Agricultural Sciences R&D Experimental Center

Ba'ao Asia Forum Hotel Renovation Guangsheng Science and Innovation Center Beijing Infrastructure Investment (Beijing Beitucheng Commercial Financial Service Office Building)





Chengdu Chengdu Tianfu International Airport Terminal, Fire Dept Building, Security Dept Commercial Building, Decoration Construction



Shenzhen Shenzhen Bay Port Office Building



TaiAn Taian Wanda Plaza 1#



Hefei Hefei Workers' Cultural Palace



Shenzhen Shenzhen World Exhibition & Convention Center District Plot 03-01



Chengdu The 31th FISU World University Games Chengdu Games Village



Suzhou Taikang Community We Garden



Chengdu Jinniu Hotel Renovation Phase 2

China Road & Bridge Warehouse & RD Center

Hefei Workers' Cultural Palace

Wuhan Cheung Kong Centre
Haikou Meilan International Airport
phase2 expansion construction
Rose International in the Field
Guiyang Desheng General Mountain Park
(Guanshan Lake Park zone)Plot
G(17)049、G(17)050

Vanke Feicun Changan'an Mansion China Merchant Shenzhen World Exhibition Center lot 03-01

Yulin Fumian Airport

QILU PHARMACEUTICAL(INNER MONGOLIA) CO.,LTD Hulunbuir Hongyang Pharmaceutical Quanzhou Jinjiang International Airport Terminal Building

Yiwu Poetry Painting Town

31th Athletes' Village of Chengdu 2021 FISU World University Games facility construction Yichang Sanxia International Convention and Exhibition Center(include 5 stars Hotel)

ZaoZhuang Citizen Service Center Phase 2

Jinan Golden Plaza

Jinjiang No.2 Sports Center Ocean University of China Marine Science and Education

Ocean University of China Marine Science and Education
Innovation Park

Bejing Tongzhou District Songzhuang Town Secondary School

Fumin Xian National Culture Square (No. 5 Hall) Beijing Dongfanghong Aerospace Biotechnology factory & facility

Hefei HuiShang Bank HQ Taikang Community Wu Yuan

Unique Henan · Land of Drama Lanzhou China Oversea Plaza

Institute of International Engineering Education, Anhui Polytechnic University Phase 2

China · Zhejiang Marine Sports Center (Asia Sailing Center)

Sanya Boat Tourism Center Phoenix Hill Sports Park

Huangpuijiang Riverside E18 Plot(9-3)

World Internet Science & Technology Museum expansion Phase 1

Samsung Display Tianjin No. 2 Factory Mozambique Xai Xai Airport

Hangzhou Yungu School (phase 1)





Chengdu Chengdu Phoenix Hi**ll** Sports Park



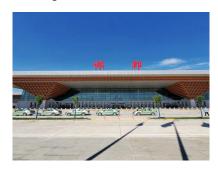
Zhuhai Hengqin ICC and Surrounding Development



Zhejian Zhejiang Ocean Sports Center (Asia Sai**l**ing Center)



Zhejiang "Internet Light " Expo Center



Handan Handan Airport expansion phase 3



Tianjian National Exhibition Phase 1 Exhibition zone and Energy Station



Lanzhou Tsinpakey Multipurpose building, 2nd Teaching Building、2nd Experiment Building Renovation



Kunming Kunming Changshui International Airport Terminal T1 Expansion and Renovation

Huai Hai Zhong Road 45 Land Plots 17/2 Commercial Building

Kunming Changshui International Airport T1 Terminal Renovation

Chengdu The Magic Phase 3

Gemdale Properties and Investment Corporation

LimitedCommercial office

Jinwan International Business Center

Galuminium and Grand Headquarter Economy Building-TOP home

Zensun International Building de Mong H renovation Shandong University National University Science Park Hainan International Exhibition Center Phase 2 expansion

2021

Zhongnan Chenyueju

F&K Properties Moon Bay

Liuzhou Students Pioneer Park phase 2 (Smart Grid Industrial Park)

Shandong Province Jinan CityTechnical Institute of Physics and Chemistry CAS

Hangzhou Asian Games Village - Vanke Waterfront Mixed-use

Tai'an Financial Business District Shenzhen Aviation City Phase 2(No.5 -9 floor, no. 14 - 15 floor)

Chongqing Road Middle School

Tianan Cloud Valley Phase 2

Vanke Golden Landscape

Qidong City Cultural and Sports Center

Zhoushan City Lincheng Electric Power Building

Yuanqi Forest (Hubei) Beverage Factory

Poly Dream City

Greater Bay Area Academy of Sciences

Kunming Dianchi Lake International Convention and Exhibition Centre

Xian You Library, Culture, Museum

Balin Zuoqi Khitan Museum

Yantian Foreign Language Primary School

Shandong Police College

Changshu Kuncheng Lake Foreign Language School

Foshan Jade Lane

Liulin Nan Railway Station

Shenzhen Stylistic Center

Jiangsu 2017-WG-8 (Wing of Taihu) Guangzhou

Vanke Future Forest

Foshan Jiabang Real Estate phase 3

Pan-Space International Supercomputing (Xi'an) Center Mintaian Property Insurance Pinghu HQ Building

Zhongjie Financial Tower

The Peopls's Hosiptal of Huangngpi Hubei International Logistics Core (Ezhou Huahu Airport)





Chuanzhou Jinjiang No.2 Sports Center



Zaozhuang Zaozhuang Citizen Service Center



Shenzhen Tianan Cloud Valley Phase 2



Zhuhai Jinwan Huafa Commercial Center



Hainan Hainan International Convention and Exhibition Center Phase 2



Hainan Ocean Flower Island



Zhangjiakou Huailai high-speed railway station project



Qingdao Qingdao Gymnasium

Fujian Province Maternity Hosiptal
Qilu Century Fengming Business Center
Yulin Dongsha City Sport & Culture Center
Vanke Innohome
LinyiHealth and Elderly Care Service Center
Guangzhou Yunzhu Hotel
National Speed Skating Oval Roof Vent

A dream in Red Mansions

Shanxi International Sprots Window (Press Center) Bayern Shenzhen Football School

Star kay international square

Tianjin First Central Hosiptal Expansion

Shaoxing World Exhibition & Convention Center phase 1 zone B

Jinan Wanda Cultural Sports Tourism City D7 Hefei Youth Activity Center

Pan'an Baolong Real Estate Co., Ltd.

Zhangzhou Science and Technology Park Lanrun Group Chengdu Tianfu International Airport

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2022

An'hui Better Life

Southwest Geological Science and Technology Innovation Center Base Construction

719 Reactor Pressure Vessel and equipment production line upgrade

AEC Automobile City 1816 -3#4# Vivo factory

Aranya North Shore (phase 2)

Anhui Baoye Construction Group 001 Anhui Huaren Road & Bridge standardization factory

Anqing CBD Centrium

Baiyun International Convention Center- phase 2

PAX Technology Building

Banshan Runfu

Shanghai Park Place

Baoda Longgang Wulian Building Phase 1

Poly International Xinchen phase 2

Poly Langxi Plaza

Poly Western Coast Zone Ex F South West Commercial

Curtain Wall

Poly Zhongrui Garden

Montailor Workshop



Beijing Changping China Resource Future City Beijing DaXing Old Palace Town YZ00-0801-0018、 0019, 0024, 0025, 0026 Residential Building,

Beijing Changping North 7 family China Resource

Wuxi Beiyou Guohao IoT Ecological Park Phase 3 Cangzhou Risun Chemical Co., Ltd management office

Beijing Chaoyang Sunhe Xidian Village 29.2-83 F1

Dali Longyue Hua Fu Aqinhai Shopping Park

Shenzzhen East Lake Park phase 2 facility

Hangzhou Oriental Yuhong Building Materials Co., Ltd

Southeast University Wuxi International School phase 2 -Library and phase 6 part of the school building

Foundation Education zone

Changzhou 1905 Engineering

Shenzhen Longhua Next City

Donghui Hightech - E-Town

Xichuan Donglai Impression

Residential & Office.

Mr. Chan Personal Villa Chengze Garden Intercity Railway

Data Service Building

Idea Country



Manshi Huaqiao City

Wuhan Lianzi Lake



Xuancheng Langxi County



Citizen Art Culture Center



Shijiazhuang Watermelon Town



Animation World renovation

renovation

E-KE New Building Office Xiongan · Power China Science City Ferretti Yachts Asia Pacific HQ

Feng Cheng Guo Mao Zhong Xin (Phase 2) Fengqi Lake Water Conservancy and Park-Fengxianjing

Foshan Yishang Mansion

South Foshan Station Enterprise City

Fortune Gather Commercial Centre

Fujian Science and Technology Museum New Hall School

Affiliated to Longhua Institute of Education Sciences

Fu Qiang Xin (Ningbo) Precision Technology Co., Ltd Research Institute of Advanced Technologies

Guanghua Research and Development Center

Guangshen High-tech Innovation and Entrepreneurship Center zone A

Guangxin - Xuefujiayuan

Guangzhou Zhong Jiao Bai Yun Building Guangyang Isle International Convention Centre

Guangzhou Canton Tower Phase 3



Qingdao Ocean University of China West Coast Campus Computer Building



Hefei Youth Activity Center

Nanning Nanning North Station



Huawei plot 253 Dongguang





Ningbo Ningbo Lishui Inductrial Park New Area



Chengzhou PICC Building



Harbin Harbin Financial Center



Shenzhen Shenzhen Swan Lake



Jiangsu Nanjing University



Guangxi Nanning North Station



Zhanjiang Zhanjiang Nanhai Bay Research and Development Base



Hefei Hefei Binhu New District Plot no. BK202006

2023

Xian Xianyang International Airport Phase 3 Zhengzhou People's Insurance Building Pingshan Bio Park

Harbin New Area Financial Service Center Hunan Jiazhou Building

Wenzhou City Core Development Area West Unit D-03a

Liaoning Dalin Digital Valley

 $Zhanjiang\ Bay\ Laboratory\ Phase\ 1:\ Xiongan \cdot Power$

China Science City Tender 4

(XARD-0043、 XARD-0045、

XARD-0046、XARD-0047、XARD-

0049)

 $Dongguan\ Songshanhu\ South\ Area (253\ Lot)\quad R\&D\ Center$

Zhenjiang Yongjiang Laboratory zone A

Hengli Technology Park

HanzhengCC (2018) no.25

Huawei Liangqiu Lake R&D Center

Chengdu High-tech Industrial Development zone

Maternal and Child Care Service Center

Yu Hang Industrial Park (2020) no. 43 Instrument

Industies

Ningbo Y-LAB Starting zone A

Shenzhen Bo'an Primary School

Qingdao West Coast New Area Zhangjialou Painter Village

Commercial Complex (East Zone)

Changchun Jingyue Film Production Creative Base

Huizhou Zhongkai High-tech Industrial Development

Zone Private Enterprise Incubator Base

Qing Pu Huawei R&D Base

Linyi Sports Center

Changrun Innovation Headquarters

Zhongrui Financial Headquarters Tower

Hightech Road Lot WJ-J-2015-042

Guangzhou Baiyun District Chentin Village" City in Village"

Renovation

Yintai City

Southern Beauty Valley

Odur International Co., Ltd.

Shenzhen Longgang Coco Park

Haikou Dulwich College

Lanzhou Poly Tianyue Bay

Jinjiang District Sansheng Town 56

Shanxi Xinghuacun Fen Wine Factory Sale Center

Jinjiang District Sansheng Town 54

Fujian Dehau Xiatian Cultural & Sports Park

Zhongshan Wanbin Wanchao Square

City University of HK (Dongguang)Phase 1 Xianjiang Tsinghua Technology & Innvovation Park





Shanghai The Central Area of Linggang New City Plot :1- 2-1



Shenzhen Pingshan Bio Park





Zhengzhou Zhengzhou Economic and Technological Development



Shenzhen Baguang Compreshensive Sports Center



Guangzhou Zhonglv · Ananya Guangzhou Jiulong Lake Project Office Renovation Project



Tangshan Tangshan Chinese Medicine Hospital Removal Engineering



Hangzhou Zhejiang University Hangzhou International Technology Innovation Center Phase 1



Jiangsu Jiangsu Hongze Rural Commercial Bank Complex Building







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