

▼ 电解铝多功能起重机

Electrolytic aluminum multifunctional crane

▲ 多功能石墨电极编组及装卸起重机

Electrolytic aluminum multifunctional crane



阳极炭块堆垛起重机

Anode block stacking crane



焙烧多功能起重机

Roasting multi-function crane



电解铜专用起重机

Electrolytic copper crane



▼ 智能淬火起重机  
Intelligent quenching crane

▲ 全自动桥式起重机  
Full-automatic overhead crane



▲ 全自动垃圾焚烧发电起重机  
Full-automatic crane for garbage incineration power generation

▼ 全自动冶金上料起重机  
Automatic charging crane for metallurgy



旋转加料起重机 ▶  
Rotary charging crane



▼ 250t锻造起重机  
250t forging crane



320吨四梁六轨铸造起重机  
320t ladle crane with four girder and six rails



夹钳桥式起重机  
Clamp bridge crane



100t淬火起重机  
100t quenching crane

## Port and Container Handling Crane

### Ship To Shore Crane

STS, the Ship To Shore Container crane is widely used to load and unload containers from ship and trucks. The crane frame design is very advanced so that the crane can work with a high efficiency. The trolley can travel on the rails which are mounted on the outreach beam and the whole crane travels on the rails mounted in the ground. The fast moving and lifting speed brings you excellent working performance. STS crane is mainly consisted of steel structure, hoisting mechanism, trolley travelling mechanism, long travelling mechanism, luffing mechanism. All the mechanisms can be operated with a stepless speed by the operator in the omnibearing view cabin.



### Ship Unloader



Ship unloader is a special heavy duty equipment with satisfactory productivity and is widely applied at docks to unload bulk cargo ship of different sizes. Grab bucket ship unloader structure is mainly composed of steel structure, grab bucket lift and open and closing mechanism, trolley traverse mechanism, luffing mechanism, travel mechanism, machine cabin, elevator, grab bucket, spray system, electrical system, necessary safety related components and accessory devices. PLC and CMMS fault monitor system could be adopted in this type of product. And electronic antisway system could be provided at customer request.

Referenced criterion and standards are as follows: GB3811-2008 crane design criterion, GB6067-85 lifting equipments safety regulation, ISO, FEM and JIS.



### Portal Crane

Portal crane is a multi-purpose crane machine which is extensively applied to loading and unloading all kinds of cargos at various working site. The main structure is steel frame. The lifting tools can be grab, container spreader, hook and electromagnet, etc. This crane has two different type according to the working demand: stationary type and travelling type.



### Dredger

Grab dredger boats are used for dredging slugs in waterways, harbors, lakes etc. as dredge and drainage engineering ships. The grab dredger boat mainly consists of hoisting mechanism, luffing mechanism, slewing mechanism, rigging hook device, A-frame, rotating platform, rotating support, booms and grab buckets.

There are several control systems provided to improve dredging efficiency and accuracy as following (including but not limited to):

1. PLC and visual simulation system.
2. Depth keeping digging system.
3. Satellite positioning dredging construction management system.
4. Horizontal digging control system.
5. Depth correction system.





岸边集装箱起重机  
Quayside container crane

轮胎式集装箱门式起重机  
Rubber tire container gantry crane



轨道式集装箱门机  
Rail mounted container gantry crane



轨道式集装箱门机  
Rail mounted container gantry crane

WEIHUA  
散料输送设备  
MINING EQUIPMENT

MINING  
EQUIPMENT

WEIHUA

堆取料机  
Stacker-reclaimer



圆管带式输送机  
Tubular Belt Conveyor

MBC1AB带式输送机  
MBC1AB Belt Conveyor



## Rail Mounted Container Gantry Crane



Rail container gantry crane is suitable for handling and loading and unloading of international standard containers and railway wide containers in container yards or transfer stations of ports, wharves, railways, logistics and so on. It is supported on the track by several sets of steel wheels, powered by utility electricity, and consists of large vehicle mechanism, small vehicle assembly, gantry, power system, and special spreader for containers.

### Features

1. Specialising in providing upper rotating (trolley rotation) rail container gantry cranes, lower rotating (spreader rotation) rail container gantry cranes, cantilevered, non-cantilevered rail container gantry cranes, rail container gantry cranes for railways;
2. Standard two-way flexible resistance anti-shaking system, optional multifunctional frequency conversion anti-shaking micro-system and electronic anti-shaking system, anti-shaking effect is remarkable, easy to maintain, and improve the container's resistance to shaking;

3. CMS intelligent service management system, real-time monitoring of equipment operation status;
4. Vector frequency conversion, power feedback, torque balance control technology, energy saving and environmental protection, convenient and efficient;
5. Automatic fault detection and real-time data display technology, safe and reliable;
6. Provide a variety of operating modes - manual semi-automatic automation remote operation, advanced technology, stable performance;
7. Core technologies such as automatic operation and positioning, intelligent box-to-box, trajectory intelligent control, intelligent safety protection;
8. Complete safety measures such as high wind alarm and safety dynamic scanning.

### Main Data

Model	Capacity(t)	Span(m)	Lifting height(m)	Work class
RMG35-00	35	20~32	12/15/18	A6/A7/A8
RMG41-00	41	20~32	12/15/18	A6/A7/A8
RMG45-00	45	20~32	12/15/18	A6/A7/A8
RMG50-00	50	20~32	12/15/18	A6/A7/A8

### Cases



## Port and Container Handling Crane

### Rail Mounted Container Gantry Crane (RMG)

Rail mounted gantry crane is a kind of rail mounted crane used to offload, stack and load 20ft, 40ft, 45ft ISO standard containers. Its provision of power is offered by cable reel. The crane contains three mechanisms: hoisting, trolley travelling and gantry travelling. The trolley running along the track mounted on gantry beam is capable to serve among legs. The crane is able to make straight movement along rails.



### Rubber Tyred Container Gantry Crane (RTG)

The crane is used to offload, stack and load 20' , 40' containers from and to trailers. The crane features a rated capacity of 41t under the spreader, and is capable of longitudinal and transversal movements in the container yard. The crane is mounted on 8 wheels with tubeless tires and powered by a diesel engine which drives an electric generator.



### Straddle Carrier

Straddle Carrier is widely used in the container yard of the port. It is mainly used for transporting container from one yard to another yard. Container transporter gantry crane also mainly used in ship handling, large structure handling, loading and unloading. Adapt multiple lifting points combined spreader, it can satisfy all kinds of complicated operation condition required by customer. Straddle Carrier can rotated 360 degree around the crane center flexible, all the hydraulic transmission mechanism and the lifting mechanism can realize stepless transmission, it can satisfy all the operating requirements in different conditions, the travelling mechanism adopts hydraulic circuit, has the advantage of high efficiency transmission and low failure rate. There is perfect safety instructions and overload protection device to ensure the safety of the operator and equipment. All the action of mechanisms are adopted can-bus control.



### Boat Lifting Crane

The boat lifting crane is used for boat handling and transportation.

1. The boat lifting crane mainly comprise main frame structure, hoisting mechanism, steering mechanism, hydraulic transmission system, electrical control system and wheelsets. The main structure is open box shape with high strength and able to transport boats that much higher and longer than the crane itself.
2. Electro-hydraulic transmission and electric system are both available for option in hoisting and traveling parts according to clients' demands. Hydraulic system features small volume, light self-weight, compact structure, smooth running, quick response, small inertia, easy operation and automation. Electric hoisting system features outstanding cost-efficiency. The crane is able to high-speed start, brake and turn.





门座起重机  
Portal crane

轨道式集装箱门式起重机  
Rail mounted container gantry crane



游艇搬运机  
Mobile yacht lifting crane



轨道式集装箱起重机  
Rail mounted container gantry crane

## Marine knuckle Boom Crane



The marine folding boom crane consists of a base, a slewing platform, a basic arm, a folding arm, and a winch. Usually used to lift various conventional goods.

Standard cranes have lifting capacities ranging from two to ten tonnes, with outreaches of up to 20m. Higher capacities are available upon request.

The crane is controlled from an operator platform above the slewing ring, with radio remote control available as an option.

The crane controls provide smooth and precise movements of all crane motions. Two motions can be performed simultaneously, but at reduced speeds.



### Main Data

Model	Capacity(t)	Outreach (m)	Lifting speed(m/min)	Hook travel(m)	Slewing speed(r/min)
SWL02-00	2	10	0-15	30	0-1
SWL03-00	3	12	0-15	40	0-1
SWL05-00	5	18	0-12	50	0-0.6
SWL10-00	10	20	0-12	50	0-0.5

### Standard features:

- Self-contained with integrated electro-hydraulic power pack
- Precise stepless speed control
- Easy maintenance
- 360 degree continuous slewing
- Emergency lowering



### Optional features:

- Star-delta starter for low starting currents
- Limit switches for slewing and hoisting
- External power pack
- Floodlights
- Portable radio electric remote control unit
- Different pedestal heights
- Enclosed operator cabin
- Designed for extremely low temperatures (Arctic climate)
- Personnel handling
- Load monitoring system
- Other features available upon request



## Marine Telescopic Boom Crane



Marine telescopic boom cranes have a compact design and are able to perform a wide range of load handling tasks safely and reliably in the challenging marine environment.

The telescopic jib ensures that the crane can serve a large working area on the vessel.

Standard cranes have lifting capacities ranging from two to ten tonnes, with outreaches of up to 20m. Higher capacities are available upon request.

The crane is controlled from an operator platform above the slewing ring, with radio remote control available as an option.

The crane controls provide smooth and precise movements of all crane motions. Two motions can be performed simultaneously, but at reduced speeds.

### Main Data

Model	Capacity(t)	Outreach (m)	Lifting speed(m/min)	Hook travel(m)	Slewing speed(r/min)
SWL02-00	2	10	0-15	30	0-1
SWL03-00	3	12	0-15	40	0-1
SWL05-00	5	18	0-12	50	0-0.6
SWL10-00	10	20	0-12	50	0-0.5

### Standard features:

- Self-contained with integrated electro-hydraulic power pack
- Precise stepless speed control
- Easy maintenance
- 360 degree continuous slewing
- Emergency lowering

### Optional features:

- Star-delta starter for low starting currents
- Limit switches for slewing and hoisting
- External power pack
- Floodlights
- Portable radio electric remote control unit
- Different pedestal heights
- Enclosed operator cabin
- Designed for extremely low temperatures (Arctic climate)
- Personnel handling
- Load monitoring system
- Other features available upon request



## Marine Stiff Boom Crane



Marine stiff boom cranes have a compact design and are able to perform a wide range of load handling tasks safely and reliably in the challenging marine environment.

Standard cranes have lifting capacities ranging from two to ten tonnes, with outreaches of up to 20m. Higher capacities are available upon request.

The crane is controlled from an operator platform above the slewing ring, with radio remote control available as an option.

The crane controls provide smooth and precise movements of all crane motions. Two motions can be performed simultaneously, but at reduced speeds.

### Main Data

Model	Capacity(t)	Outreach (m)	Lifting speed(m/min)	Hook travel(m)	Slewing speed(r/min)
SWL02-00	2	10	0-15	30	0-1
SWL03-00	3	12	0-15	40	0-1
SWL05-00	5	18	0-12	50	0-0.6
SWL10-00	10	20	0-12	50	0-0.5

### Standard features:

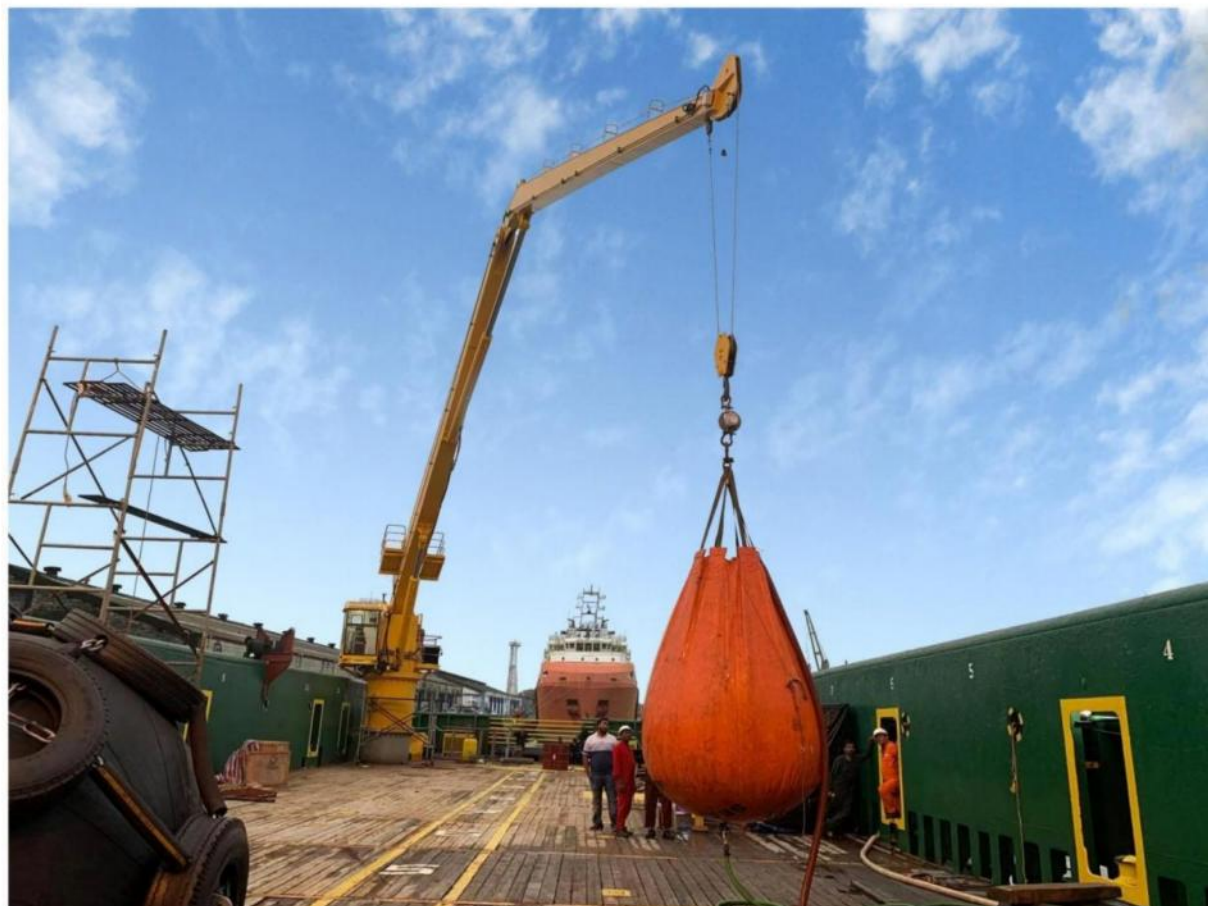
- Self-contained with integrated electro-hydraulic power pack
- Precise stepless speed control
- Easy maintenance
- 360 degree continuous slewing
- Emergency lowering

### Optional features:

- Star-delta starter for low starting currents
- Limit switches for slewing and hoisting
- External power pack
- Floodlights
- Portable radio electric remote control unit
- Different pedestal heights
- Enclosed operator cabin
- Designed for extremely low temperatures (Arctic climate)
- Personnel handling
- Load monitoring system
- Other features available upon request



## Offshore Crane



### Features

- Lifting capacity range from 1t to 40t SWL
- Outreach from 10m to 40m
- Cranes can be designed as fixed-boom or knuckle-jib or telescopic -boom type
- LMI system
- Fully-equipped, spacious, air-conditioned, ergonomically designed operator cabin
- Certified for ship-to-ship operations(optional)
- Certified for personnel lift(optional)
- Equip the hydraulic system with an air cooler(optional)
- Crane can be designed to work in explosion-proof areas(optional)

### Main Data

Model	Capacity(t)	Outreach (m)	Lifting speed(m/min)	Hook travel(m)	Slewing speed(r/min)
SWL02-00	2	20	0-20	50	0-0.5
SWL03-00	3	30	0-20	50	0-0.5
SWL05-00	5	30	0-15	50	0-0.5
SWL10-00	10	30	0-12	50	0-0.5
SWL20-00	20	30	0-12	50	0-0.5

### Cases



## Cargo Crane



The crane is mainly used on bulk cargo ships or barges, and is a type of cargo transportation equipment. It is one of the most important production and safety equipment in cargo ships, with high requirements for safety, reliability, maintainability, wind resistance, and corrosion resistance. It has the characteristics of large lifting capacity, convenient operation, impact resistance, good braking performance, safety and reliability, high loading and unloading efficiency, and good applicability to goods.

All our crane products use imported hydraulic components from Europe and America; Adopting full hydraulic drive, it has the characteristics of stable operation, adjustable speed level, 360 degree rotation, compact structure, combination of electro-hydraulic control and manual control, convenient operation, safety and reliability.

### The crane offers multiple benefits:

- Excellent positioning performance to reduce time in port
- Prepared for grab equipment
- Closed loop hydraulic system
- Stepless and independent crane control with hoisting, luffing and slewing motions
- All machinery is weather-protected inside crane housing
- Level-luffing
- Up to SWL 50t

### Main Data

Model	Capacity(t)	Outreach (m)	Lifting speed(m/min)	Hook travel(m)	Slewing speed(r/min)
SWL20-00	20	25	0-25	50	0-1.5
SWL30-00	30	28	0-25	50	0-1.5
SWL40-00	40	32	0-25	50	0-1
SWL50-00	50	40	0-25	50	0-1

### Cases



# Single Girder Overhead Crane



Single girder overhead crane is specifically designed for mild or moderate workshop operating conditions. It adopts a modular design and has the advantages of high strength, light weight, and maintenance free. The trolley and crane are controlled by frequency converters, which helps to reduce oscillation during traveling.

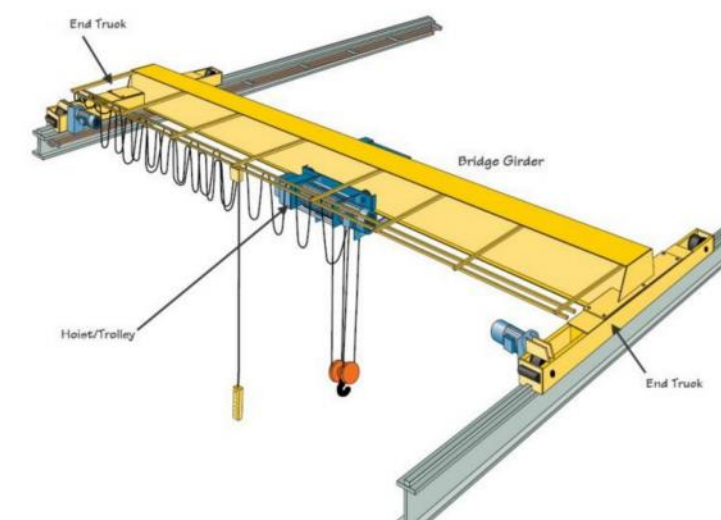


## Main specifications

Model	Capacity(t)	Span(m)	Lifting height(m)	Work class
HD03-00	3	7~32	3/6/9/12/15	A3/A4/A5
HD05-00	5	7~32	3/6/9/12/15	A3/A4/A5
HD10-00	10	7~32	6/9/12/15	A3/A4/A5
HD16-00	16	7~32	6/9/12/15	A3/A4/A5

## Features

- Overload protection device
- Over hoisting protection device
- Trolley stop
- Crane bumpers
- Travel limit switches
- Lifting hook with safety catch
- Current overload protection
- Voltage lower protection
- Emergency stop system
- Double lifting speed
- Traveling speed by inverter



## Cases



## Double Girder Overhead Crane



Double girder bridge overhead crane is composed with double girder frame, crane travelling end truck, and the top running trolley with lifting and travelling device. The cranes are equipped with frequency inverter, which makes the crane speeds adjusted. It could move very slow which makes it possible to do very accurate works.

According to different operating conditions, it can be equipped with various lifting tools such as grab buckets, electromagnetic suction cups, and electromagnetic hanging beams to achieve special purpose operations. Widely used in fields such as metallurgy, warehousing, papermaking, shipbuilding, etc.



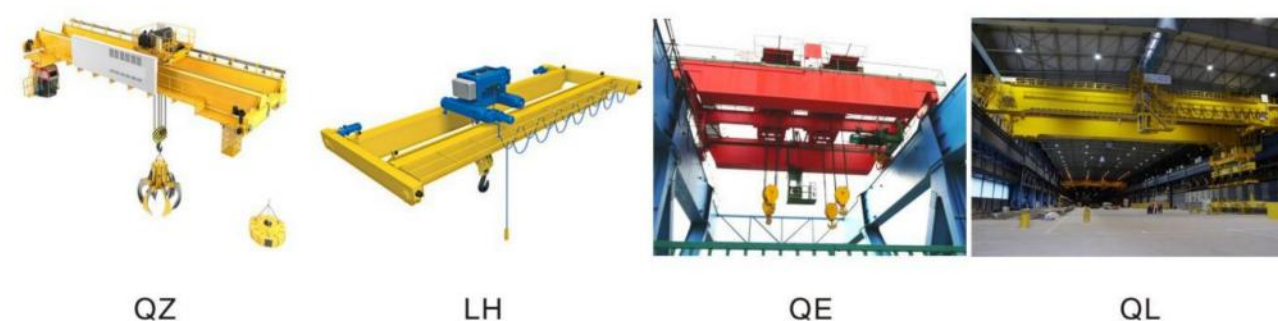
### Main specifications

Model	Capacity(t)	Span(m)	Lifting height(m)	Work class
NLH05-00	5	7~32	6/9/12/15	A5/A6/A7
NLH10-00	10	7~32	6/9/12/15	A5/A6/A7
NLH16-00	16	7~32	6/9/12/15	A5/A6/A7
NLH20-00	20	7~32	6/9/12/15	A5/A6/A7
NLH32-00	32	7~32	6/9/12/15	A5/A6/A7
QD50-00	50	15~32	9/12/15/18	A5/A6/A7
QD75-00	75	15~32	9/12/15/18	A5/A6/A7
QD125-00	125	15~32	9/12/15/18	A5/A6/A7

### Features

- Easy for Installation and maintenance;
- According to the use frequency, divided into working grades A5, A6,A7;
- This crane operation is completed in driver' s chamber;
- Depending on lifting cargo, crane can be equipped with hanging beam magnet or magnet chuck or Grab or C hook;
- Lifting capacity ranges from 5t to 500t;
- Crane is equipped with all moving limit switch, loading limit and other standard safety devices, to promise crane work safe
- Different models as you require QD, QZ,LH,QP,QE,QY,QB,QC,QN, etc.
- Long lifetime span: 25-50 years;

### Cases



QZ

LH

QE

QL

## Single Girder Gantry Crane



Gantry cranes, are mounted and operated on ground level rails.

Gantry cranes are particularly suitable for outdoor applications such as warehouses and terminals, where they can be lifted and operated without the need for a building structure.

In addition, gantry cranes can provide high-quality solutions for wide rooms where the existing structure is not capable of carrying an overhead crane, or for factory buildings where the addition of load-bearing beams would result in a loss of floor space.



### Features

- Safety features like flashing beacons and emergency stops built in according to crane dimensions
- Safety loops to avoid collisions
- Derailment catches with semi gantry and rail cleaners for smooth crane movement
- Storm locks and tie down to prevent sliding or falling in heavy winds
- Wind speed meter gives audible signal to prompt safety actions
- Flexible structure prevents sticking during movement
- Compact hoist with excellent hook approaches
- Key mechanical components designed specially for cranes
- Semi and full gantry options

### Main Data

Model	Capacity(t)	Span(m)	Lifting height(m)	Work class
MH05-00	5	7~32	6/9/12/15	A3/A4/A5
MH10-00	10	7~32	6/9/12/15	A3/A4/A5
MH16-00	16	7~32	6/9/12/15	A3/A4/A5
MH20-00	20	7~32	6/9/12/15	A3/A4/A5
MH32-00	32	7~32	6/9/12/15	A3/A4/A5

### Cases



## Double Girder Gantry Crane



Double girder hook gantry crane is a large loading machine widely used in open-air material handling, with the advantages of large lifting capacity, large operating space, high utilisation of yard area, low investment in infrastructure and low operating costs. Therefore, it is widely used in industrial and mining, traffic, transport, engineering construction and other departments.

### Features

- 1.The portal frame adopts flexible hinge structure, which transforms the portal frame from super-static structure to static structure;
- 2.The main beam adopts T-beam, which ensures the welding quality of important weld seams, and at the same time reduces the amount of welding and effectively controls the welding deformation;
- 3.The crane traveling mechanism adopts haver hinge structure and split wheels, which is simple in structure and light in weight.

### Main Data

Model	Capacity(t)	Span(m)	Lifting height(m)	Work class
MG10-00	10	7~32	6/9/12/15	A5/A6/A7
MG16-00	16	7~32	6/9/12/15	A5/A6/A7
MG20-00	20	7~32	6/9/12/15	A5/A6/A7
MG32-00	32	7~32	6/9/12/15	A5/A6/A7
MG50-00	50	15~40	9/12/15	A5/A6/A7
MG100-00	100	15~40	9/12/15	A5/A6/A7

### Cases

