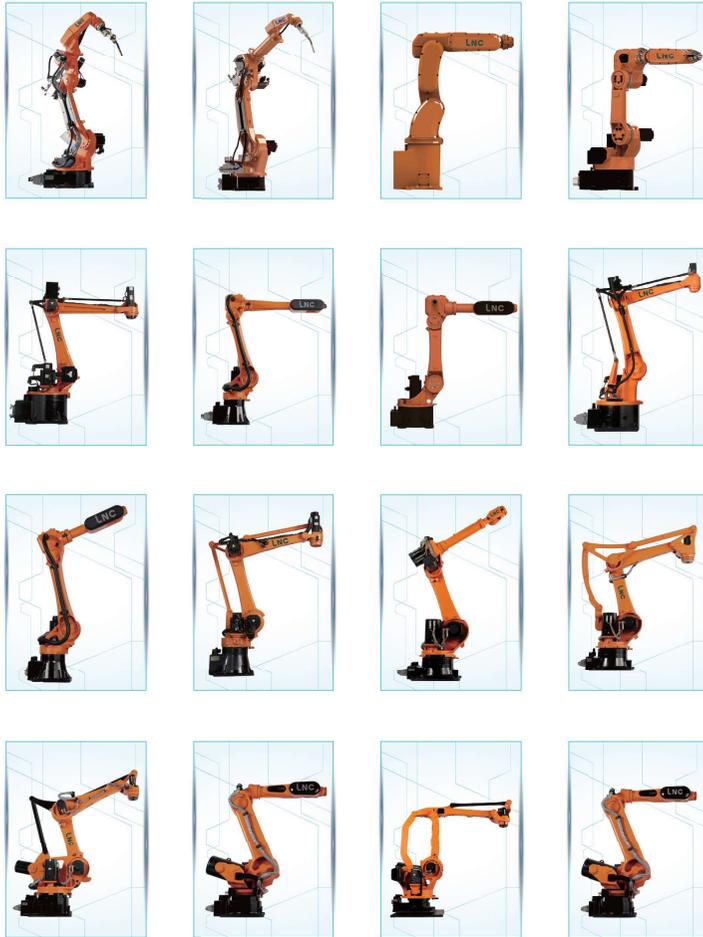


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## Robot Cell Series

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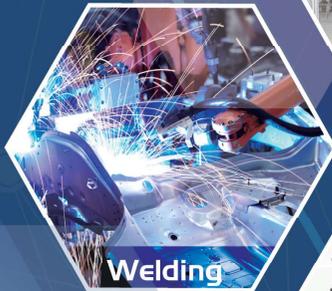


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# LNCMac 寶元智造

# INDUSTRIAL ROBOT APPLICATIONS



實元智造

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# LNCMac

## 寶元智造



## High Precision Welding Robot

### 01 Model No. . . .

J606/WI440 with welding machine

### 02 Features

- High speed, high efficiency and high precision
- The motors of 5 and 6 axis are outside of the robotic arm to avoid the bothering brought by fixtures and workpieces.
- All cables are inside of the robotic arm to prevent the possible bothering caused by the deflection.
- High stability helps to improve the processing quality high repeated precision to increase the yield and consistency.
- Long-time operation, continuously production to decrease the labor cost.
- Replace human labor and improve work safety issues in high risk working environments.
- Achieve batch product welding automation



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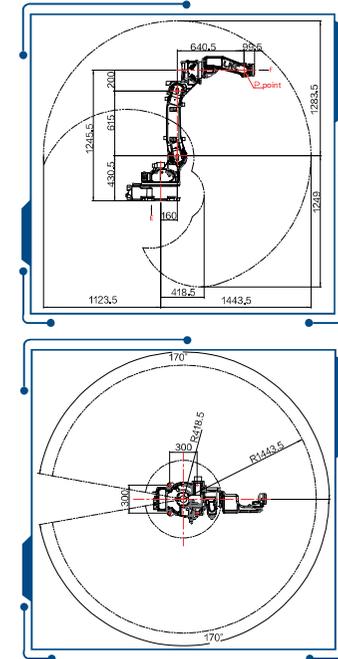
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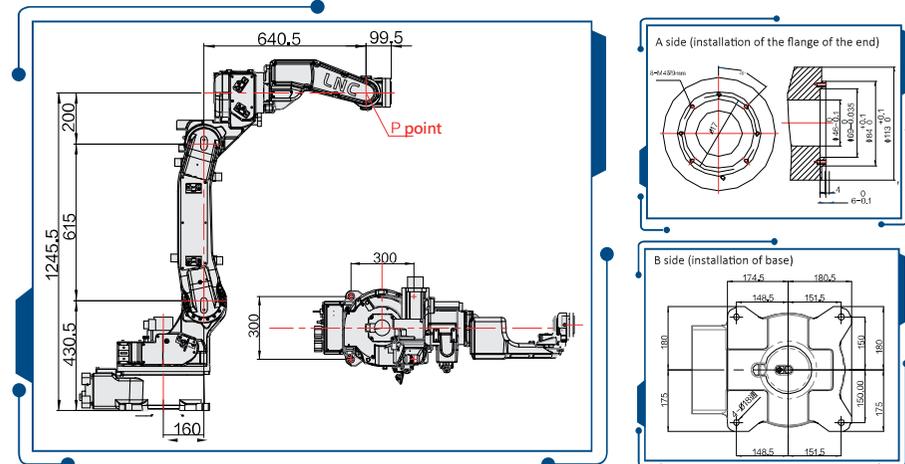
### J606/WI440 SPEC.

Item		
Application	Welding	
Joint	6	
Installation	Ground	
Speed of Movement (Max.)	J1	148° /s
	J2	148° /s
	J3	178° /s
	J4	354° /s
	J5	330° /s
	J6	620° /s
Range of Movement (Max.)	J1	± 170°
	J2	+88° / -155°
	J3	+157° / -83°
	J4	± 155°
	J5	+137° / -134°
	J6	± 360°
Radius (Max.)	1440mm	
Payload (Max.)	6kg	
Repeated Precision	±0.08mm	
Dimensions of Base	355*355mm	
Height	1375mm	
Operation Temp.	0-45°C	
Weight	150kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

### J606/WI440 Range of Movement



### J606/WI440 Dimensions





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## 寶元智造



## High Precision High Speed

### 01 Model No. . . .

J607/M759

### 02 Features

- Water/Oil/Dust Proof, suitable for harsh operation and demanding environment; Optional IP67 compliance protection when used in clean room.
- All cables, including gas tubes, 10 signal cables and LAN cable are placed internally (from the flange in the end to the base)
- Two options: 1. payload: 7kgs with arm-length 700mm 2. payload: 5 kgs with arm length 900mm.
- Various installations to fit application requirements.
- Compact design to save space; wide working range.

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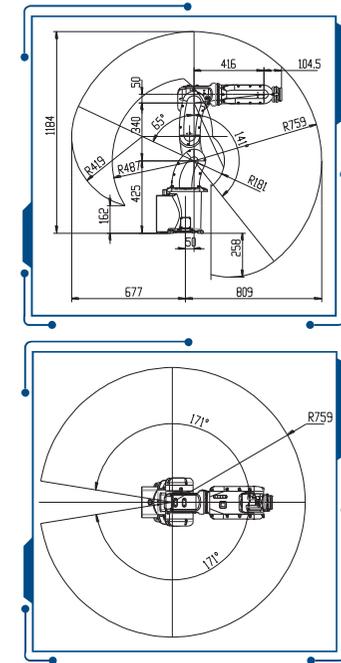
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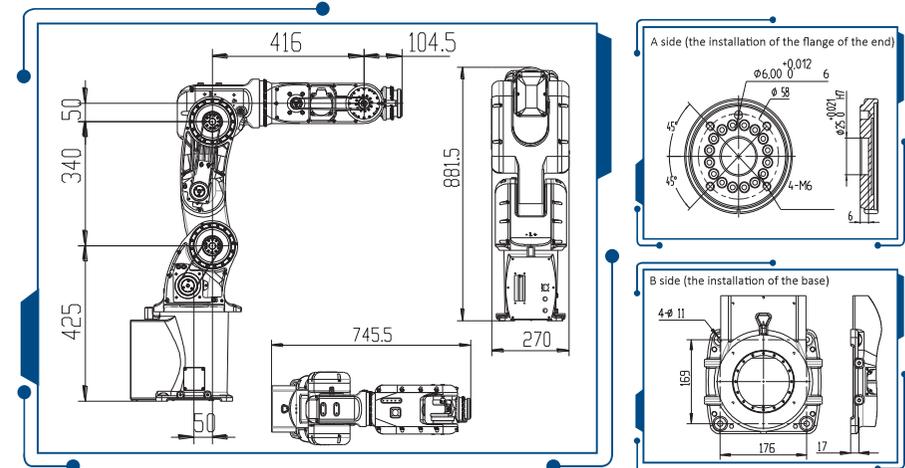
### J607/M759 SPEC.

Item		
Application	Material Handling	
Joint	6	
Installation	Ground/Wall Mount/Hanging	
Speed of Movement (Max.)	J1	138° /s
	J2	148° /s
	J3	148° /s
	J4	308° /s
	J5	358° /s
	J6	600° /s
Range of Movement (Max.)	J1	± 171°
	J2	+ 65° / -141°
	J3	+184° / -72°
	J4	± 180°
	J5	± 119
	J6	± 360°
Radius (Max.)	759mm	
Payload (Max.)	7kg	
Repeated Precision	±0.04mm	
Dimensions of Base	384*384mm	
Height	880mm	
Operation Temp.	0-45°C	
Weight	49.5kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

### J607/M759 Range of Movement



### J607/M759 Dimensions



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## 寶元智造



### High Precision High Speed

#### 01 Model No. . . .

J608/M950

#### 02 Features

- Water/Oil/Dust Proof, suitable for harsh operation and demanding environment; Optional IP67 compliance protection when used in clean room.
- All cables, including gas tubes, 10 signal cables and LAN cable are placed internally (from the flange in the end to the base)
- Two options: 1. payload: 7kgs with arm-length 700mm 2. payload: 5 kgs with arm length 900mm.
- Various installations to fit application requirements.
- Compact design to save space; wide working range.

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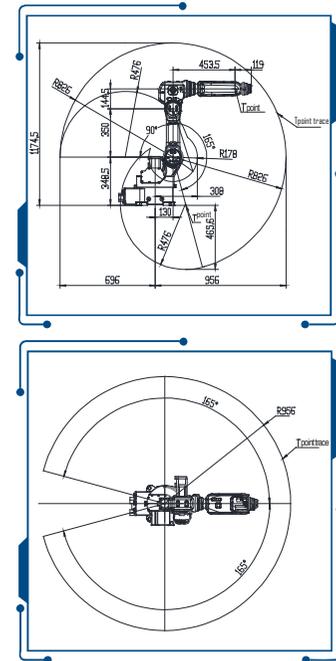
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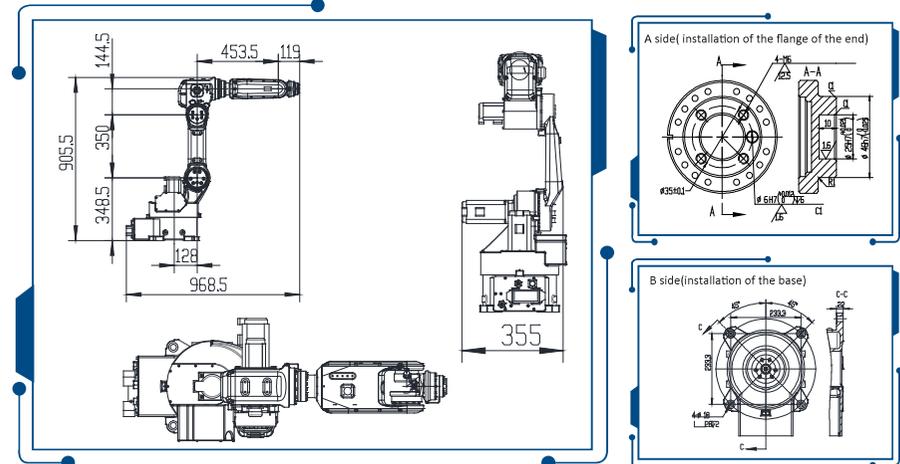
#### J608/M950 SPEC.

Item		
Application	Material handling	
Joint	6	
Installation	Ground	
Speed of Movement (Max.)	J1	280° /s
	J2	220° /s
	J3	300° /s
	J4	240° /s
	J5	480° /s
	J6	480° /s
Range of Movement (Max.)	J1	±165°
	J2	+90° / -165°
	J3	+150° / -90°
	J4	±180°
	J5	±120°
	J6	±360°
Radius (Max.)	950mm	
Payload (Max.)	8kg	
Repeated Precision	±0.08mm	
Dimensions of Base	280*362mm	
Height	905.5mm	
Operation Temp.	0-45°C	
Weight	56kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

#### J608/M950 Range of Movement



#### J608/M950 Dimensions



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## 寶元智造



### High Precision High Speed

#### 01 Model No. . . .

J610/MI650

#### 02 Features

- Scalable arm length for option: standard, short and long types; customers are able to select the desired type to fit applications.
- All cables, including gas tubes, 10 signal cables and LAN cable are placed internally (from the flange in the end to the base)
- Two options: 1. payload: 7kgs with arm-length 700mm 2. payload: 5 kgs with arm length 900mm.
- Various installations to fit application requirements: ground, wall-mount and hanging.
- Compact design to save space; wide working range

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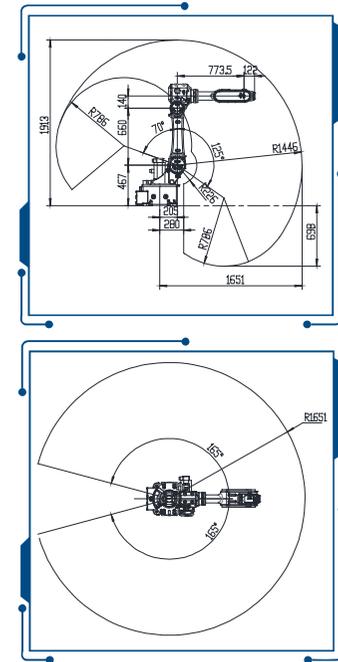
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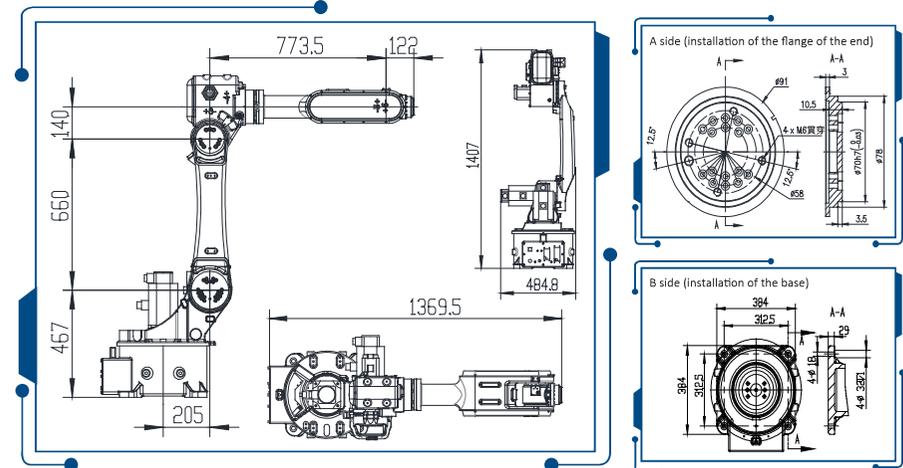
#### J610/M1650 SPEC.

Item		
Application	Material handling	
Joint	6	
Installation	ground/wall mount/hanging	
Speed of Movement (Max.)	J1	138° /s
	J2	148° /s
	J3	148° /s
	J4	300° /s
	J5	300° /s
	J6	500° /s
Range of Movement (Max.)	J1	± 165°
	J2	+ 70° / -125°
	J3	+150° / -75°
	J4	± 178°
	J5	± 135°
	J6	± 720°
Radius (Max.)	1650mm	
Payload (Max.)	10kg	
Repeated Precision	±0.05mm	
Dimensions of Base	370*370mm	
Height	1407mm	
Operation Temp.	0-45°C	
Weight	196kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

#### J610/M1650 Range of Movement



#### J610/M1650 Dimensions





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## 寶元智造



## High Precision Industrial Robot

### 01 Model No. . . .

J620/M1735

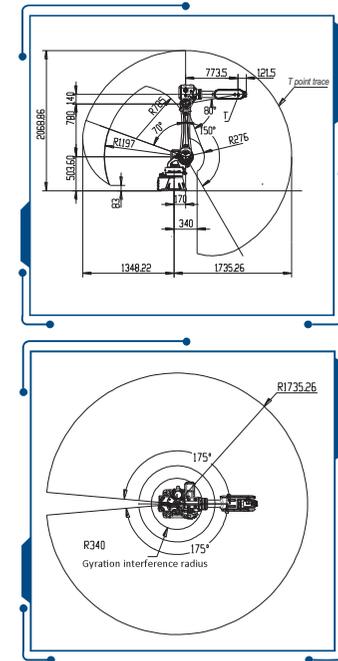
### 02 Features

- Scalable arm length for option: standard, short and long types; customers are able to select the desired type to fit applications.
- High rigidity robotic arm and advance servo control technology to increase acceleration and deceleration for time saving and production efficiency.
- Various installations to fit application requirements: ground, wall-mount and hanging.
- Compact design, narrow joint width and interference radius, can be installed more closely with workpieces, fixture, and peripheral equipment

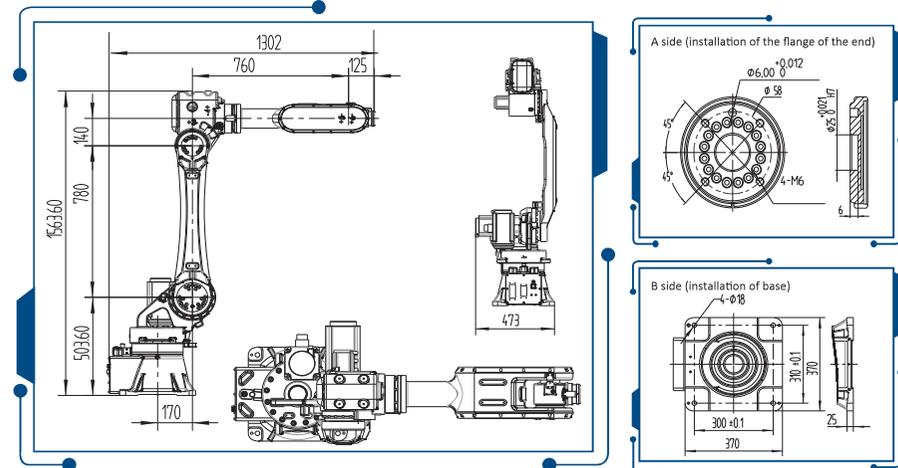
### J620/M1735 SPEC.

Item		
Application	material handling, spraying, cutting	
Installation	Ground, wall mount	
Speed of Movement (Max.)	J1	135° /s
	J2	135° /s
	J3	135° /s
	J4	300° /s
	J5	300° /s
	J6	500° /s
Range of Movement (Max.)	J1	± 175°
	J2	+ 70° / -150°
	J3	+160° / -80°
	J4	± 178°
	J5	± 135°
	J6	± 720°
Radius (Max.)	1735mm	
Payload (Max.)	20kg	
Repeated Precision	±0.05mm	
Dimensions of Base	370*370mm	
Height	1560mm	
Operation Temp.	0-45°C	
Weight	206kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

### J620/M1735 Range of Movement



### J620/M1735 Dimensions



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## 寶元智造



## High Precision Industrial Robot

### 01 Model No. . . .

J650/M2178

### 02 Features

- Medium payload, suitable for various applications
- Low power output, simple mechanical structure
- Various installations to fit application requirements: ground, wall-mount and hanging.
- Small interference radius, high application flexibility, small footprint, space saving; providing convenience of system planning and excellent flexibility in practical applications

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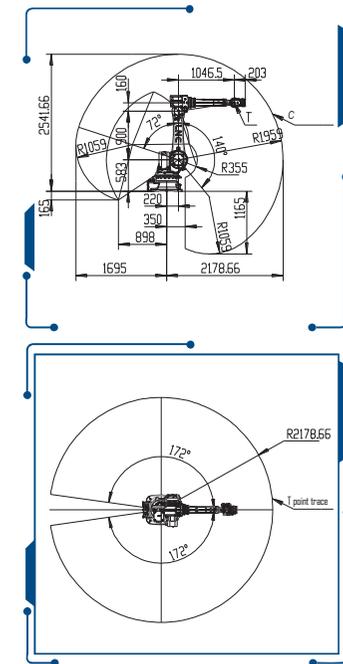
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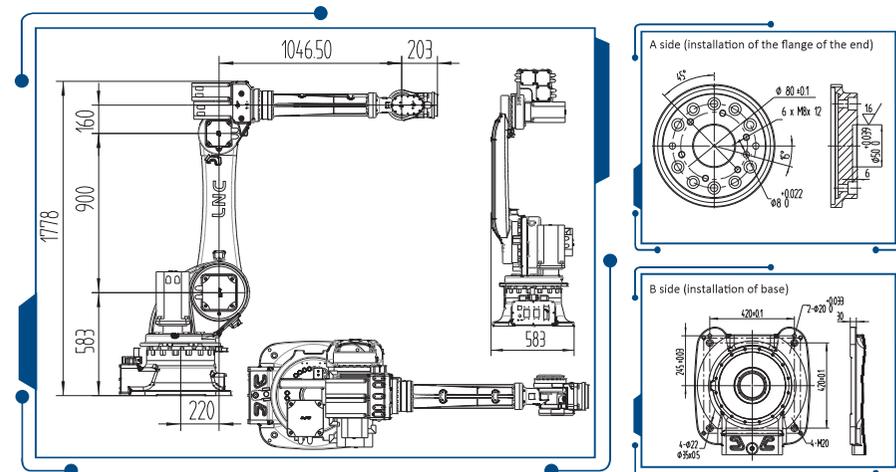
### J650/M2178 SPEC.

Item		
Application	Material handling, grinding, pick-and place	
Installation	ground, wall mount	
Speed of Movement (Max.)	J1	125° /s
	J2	125° /s
	J3	140° /s
	J4	200° /s
	J5	210° /s
	J6	290° /s
Range of Movement (Max.)	J1	± 172°
	J2	+ 72° / -140°
	J3	+175° / -80°
	J4	± 360°
	J5	± 116°
	J6	± 360°
Radius (Max.)	2178mm	
Payload (Max.)	50kg	
Repeated Precision	±0.16mm	
Dimensions of Base	370*370mm	
Operation Temp.	0-45°C	
Weight	610kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

### J650/M2178 Range of Movement



### J650/M2178 Dimensions



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## 寶元智造



## Heavy Loading Series

### 01 Model No. . . .

J6165/M2650

### 02 Features

- Lightweight structure design, heavy payload applications.
- Lightweight and compact mechanism design with high-efficiency control system effectively improves motion performance and greatly improves production efficiency per unit time
- Provide a variety of optional devices and functions according to customer application requirements
- The robot can use the learning function, the function of picking up bulky workpieces, or connect to the force feedback mechanism, the vision system or various sensors to develop a variety of intelligent functions.

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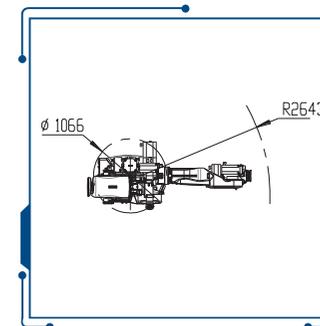
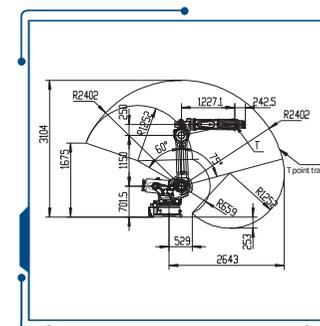
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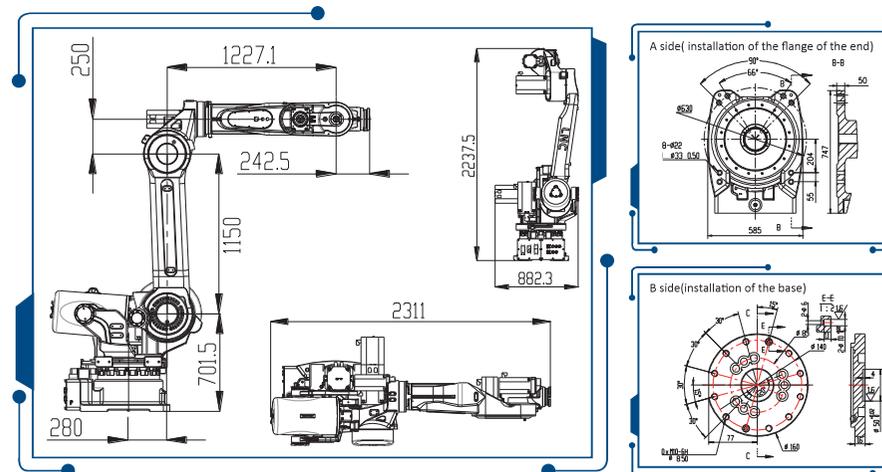
### J6165/M2650 SPEC.

Item		
Application	Material handling, Palletizing	
Joint	6	
Installation	ground	
Speed of Movement (Max.)	J1	97° /s
	J2	93° /s
	J3	97° /s
	J4	193° /s
	J5	192° /s
	J6	235° /s
Range of Movement (Max.)	J1	± 180°
	J2	+ 60° / -75°
	J3	+ 90° / -70°
	J4	± 160°
	J5	± 120°
	J6	± 360°
Radius (Max.)	2650mm	
Payload (Max.)	165kg	
Repeated Precision	±0.3mm	
Dimensions of Base	750*520mm	
Height	2216mm	
Operation Temp.	0-45°C	
Weight	1330kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

### J6165/M2650 Range of Movement



### J6165/M2650 Dimensions



# LNCMac

## 寶元智造



### Heavy Loading Series

#### 01 Model No. . . .

J6210/M2650

#### 02 Features

- Lightweight structure design, heavy payload applications.
- Lightweight and compact mechanism design with high-efficiency control system effectively improves motion performance and greatly improves production efficiency per unit time
- Provide a variety of optional devices and functions according to customer application requirements
- The robot can use the learning function, the function of picking up bulky workpieces, or connect to the force feedback mechanism, the vision system or various sensors to develop a variety of intelligent functions.

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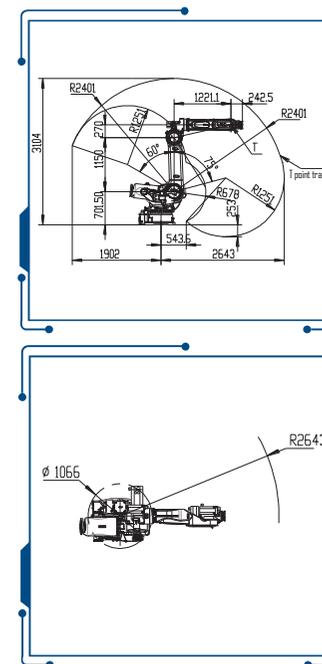
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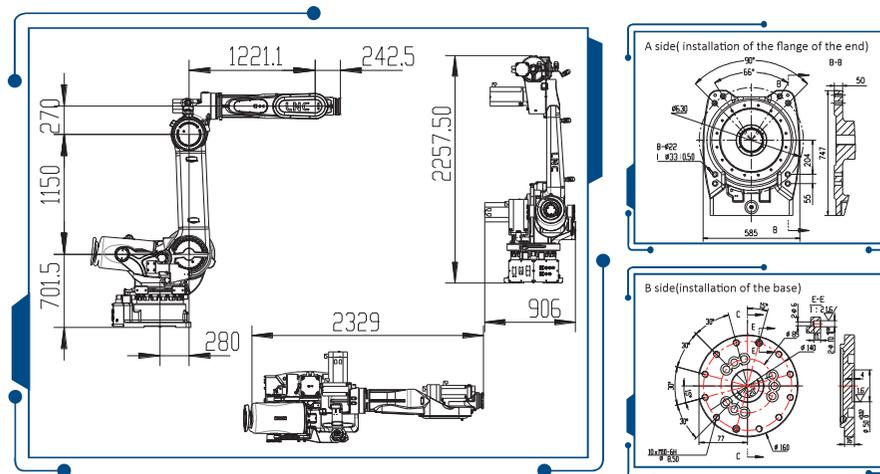
#### J6210/M2650 SPEC.

Item		
Application	Material handling, Palletizing	
Joint	6	
Installation	ground	
Speed of Movement (Max.)	J1	97° /s
	J2	64° /s
	J3	75° /s
	J4	132° /s
	J5	130° /s
	J6	202° /s
Range of Movement (Max.)	J1	± 180°
	J2	+ 60° / -75°
	J3	+ 90° / -70°
	J4	± 160°
	J5	± 120°
	J6	± 360°
Radius (Max.)	2650mm	
Payload (Max.)	210kg	
Repeated Precision	±0.3mm	
Dimensions of Base	750*520mm	
Height	2257.5mm	
Operation Temp.	0-45°C	
Weight	1460kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

#### J6210/M2650 Range of Movement



#### J6210/M2650 Dimensions



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## 寶元智造



## High Speed Palletizing Robot

### 01 Model No. . . .

J408/P1492

### 02 Features

- Short cycle time, improve the production efficiency and save time of movement.
- Small footprint to save space of installation; compact design to shrink the space between robot and peripherals.
- Dedicated on palletizing application: Streamline mechanism design and reduce hardware cost to improve the ease of maintenance and durability.
- An integrated palletizing solution includes both hardware and software: built-in several working methods of palletizing, simplify programming time, optimize path accuracy, speed up moving.

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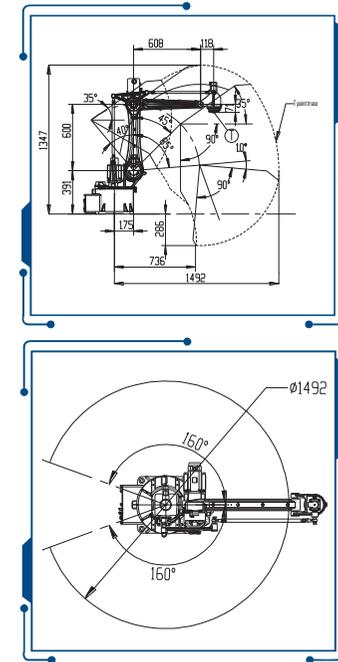
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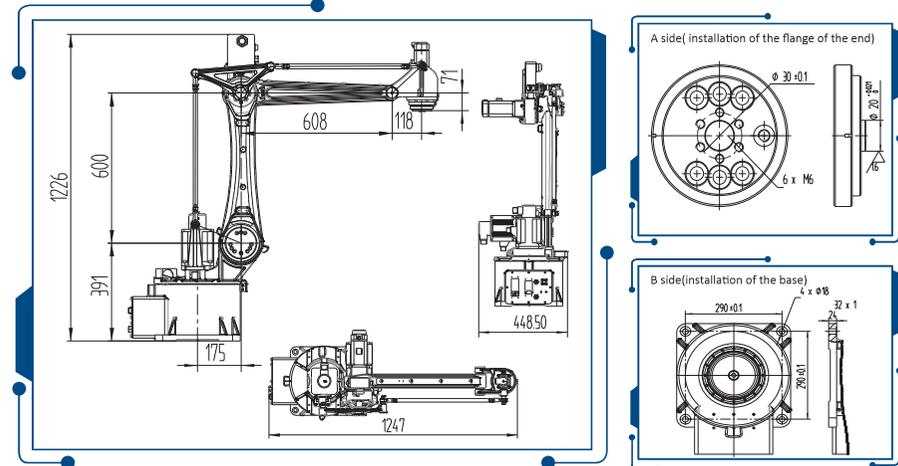
### J408/P1492 SPEC.

Item		
Application	Palletizing, Punching machine	
Joint	4	
Installation	ground	
Speed of Movement (Max.)	J1	150° /s
	J2	148° /s
	J3	195° /s
	J4	265° /s
Range of Movement (Max.)	J1	± 160°
	J2	+ 40° / -85°
	J3	+ 35° / -70°
	J4	± 360°
Radius (Max.)	1492mm	
Payload (Max.)	8kg	
Repeated Precision	±0.07mm	
Dimensions of Base	342*342mm	
Height	1200mm	
Operation Temp.	0-45°C	
Weight	132kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

### J408/P1492 Range of Movement



### J408/P1492 Dimensions



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## 寶元智造



## High Speed Palletizing Robot

### 01 Model No. . . .

J415/P1538

### 02 Features

- Short cycle time, improve the production efficiency and save time of movement.
- Small footprint to save space of installation; compact design to shrink the space between robot and peripherals.
- Dedicated on palletizing application: Streamline mechanism design and reduce hardware cost to improve the ease of maintenance and durability.
- An integrated palletizing solution includes both hardware and software: built-in several working methods of palletizing, simplify programming time, optimize path accuracy, speed up moving.

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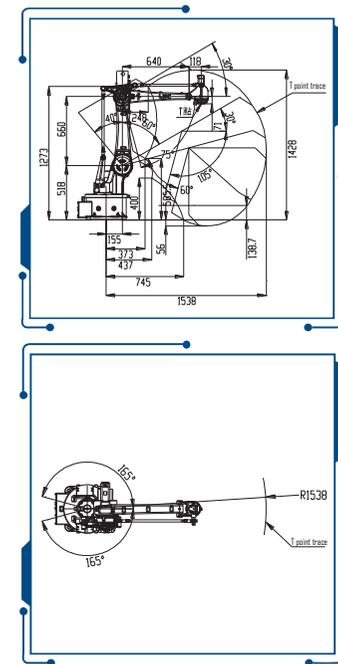
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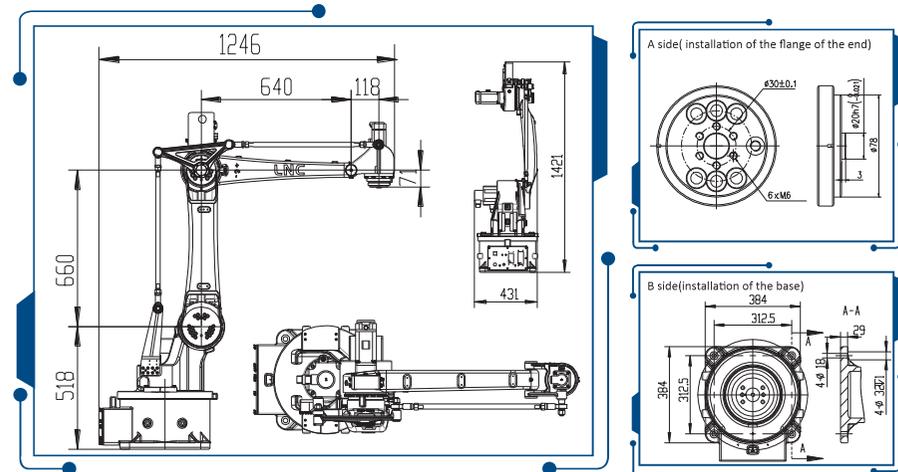
### J415/P1538 SPEC.

Item		
Application	Palletizing, Punching machine	
Joint	4	
Installation	ground	
Speed of Movement (Max.)	J1	130° /s
	J2	130° /s
	J3	180° /s
	J4	227° /s
Range of Movement (Max.)	J1	± 165°
	J2	+40° / -75°
	J3	+30° / -75°
	J4	± 360°
Radius (Max.)	1538mm	
Payload (Max.)	15kg	
Repeated Precision	±0.08mm	
Dimensions of Base	342*342mm	
Height	1421mm	
Operation Temp.	0-45°C	
Weight	220kg	
Drive	AC servo	
Humidity	<95%RH (non-condensing)	

### J415/P1538 Range of Movement



### J415/P1538 Dimensions



# LNCMac

## 寶元智造



## High Speed Palletizing Robot

### 01 Model No. . . .

J425/P1760

### 02 Features

- Short cycle time, improve the production efficiency and save time of movement.
- Small footprint to save space of installation; compact design to shrink the space between robot and peripherals.
- Dedicated on palletizing application: Streamline mechanism design and reduce hardware cost to improve the ease of maintenance and durability.
- An integrated palletizing solution includes both hardware and software: built-in several working methods of palletizing, simplify programming time, optimize path accuracy, speed up moving.

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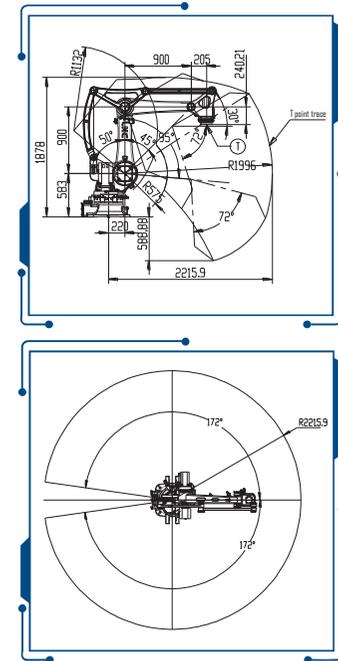
Email:service@LNC.com.tw

Web: www.LNC.com.tw

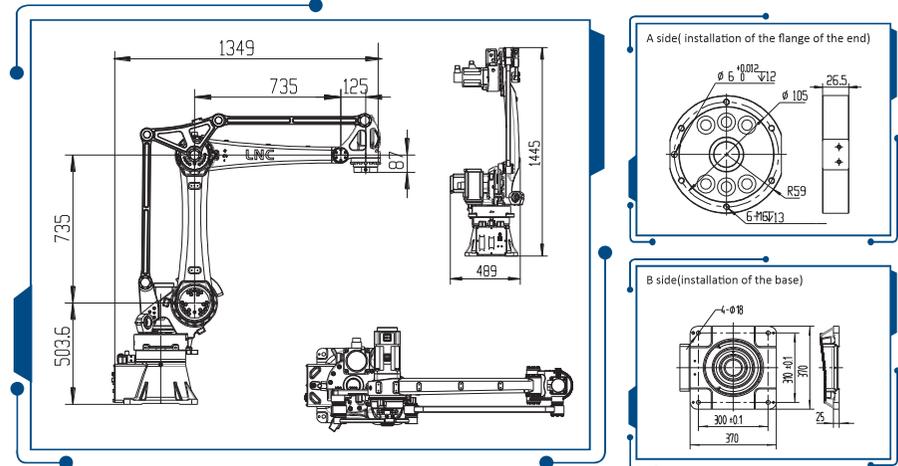
### J425/P1760 SPEC.

Item	
Application	Palletizing, Punching machine
Joint	4
Installation	ground
Speed of Movement (Max.)	J1 160° /s J2 180° /s J3 135° /s J4 180° /s
Range of Movement (Max.)	J1 ± 175° J2 + 40° / -80° J3 + 40° / -80° J4 ± 360°
Radius (Max.)	1760mm
Payload (Max.)	25kg
Repeated Precision	±0.1mm
Dimensions of Base	370*370mm
Height	1458mm
Operation Temp.	0-45°C
Weight	260kg
Drive	AC servo
Humidity	<95%RH (non-condensing)

### J425/P1760 Range of Movement



### J425/P1760 Dimensions





# LNCMac

## 寶元智造



## High Speed Palletizing Robot

### 01 Model No. . . .

J4130/P2700

### 02 Features

- Short cycle time, improve the production efficiency and save time of movement.
- Small footprint to save space of installation; compact design to shrink the space between robot and peripherals.
- Dedicated on palletizing application: Streamline mechanism design and reduce hardware cost to improve the ease of maintenance and durability.
- An integrated palletizing solution includes both hardware and software: built-in several working methods of palletizing, simplify programming time, optimize path accuracy, speed up moving

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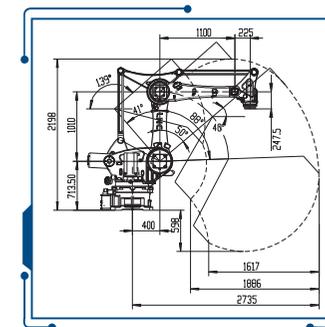
Email:service@LNC.com.tw

Web: www.LNC.com.tw

### J4130/P2700 SPEC.

Item	
Application	Material handling, Palletizing
Joint	4
Installation	ground
Speed of Movement (Max.)	J1 120° /s J2 112° /s J3 105° /s J4 340° /s
Range of Movement (Max.)	J1 ± 180° J2 +45° / -90° J3 +40° / -55° J4 ± 360°
Radius (Max.)	2700mm
Payload (Max.)	130kg
Repeated Precision	±0.25mm
Dimensions of Base	620*620mm
Height	2050mm
Operation Temp.	0-45°C
Weight	1160kg
Drive	ACservo
Humidity	<95%RH (non-condensing)

### J4130/P2700 Range of Movement



### J4130/P2700 Dimensions

