

6-AXIS HANDLING ROBOT

MR12Z-1550

Fast, accurate and reliable.

Suitable for pick-n-place, machine tending, palletizing and painting.

Suitable for TIG welding, aluminum welding and laser welding.

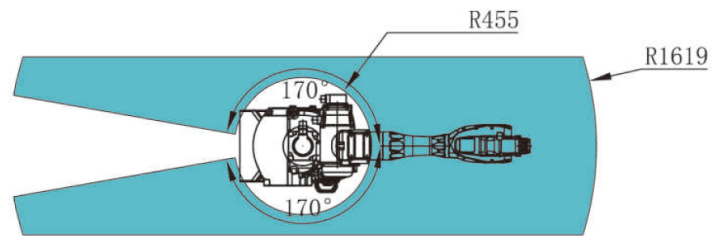
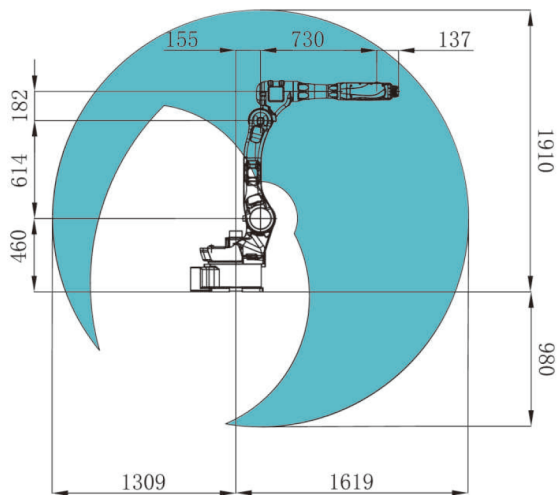


Robot specifications

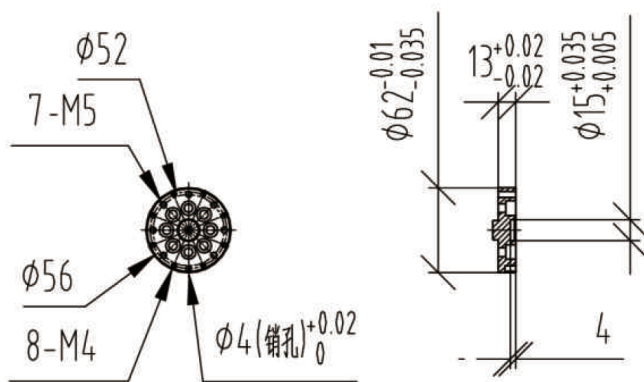
Basic data	
Model No.	MR10Z-1440
Number of axes	6
Maximum payload	10 kg
Maximum stroke	1440mm
IP class	J1, J2 - IP56; J3, J4, J5, J6- IP67
Mounting position	Floor type, wall type, ceiling type
Approx. weight	172 kg (without cabinet)
Repeatability	±0.05 mm
Internal air duct	Φ10
Motion range	
J1 axis S	± 160°
J2 axis L	+80°~-145°
J3 axis U	+145°~-75°
J4 axis R	±190°
J5 axis B	+20°~-2100°
J6 axis T	±360°
Speed with rated payload	
J1 axis S	257°/s
J2 axis L	223°/s
J3 axis U	257°/s
J4 axis R	272°/s
J5 axis B	275°/s
J6 axis T	540°/s

Electrical cabinet specifications	
Dimensions	650*495*580mm
Approx. weight	60KG
Cooling method	Natural cooling
Input power	220VAC 50/60Hz
Grounding	Industrial grounding (grounding resistance below 100Ω)
I/O terminals	16 digital inputs 16 digital outputs 2 analog outputs (optional)
Position control mode	EtherCAT, TCP/IP
Serial port I/F	RS485*1, RS422*1, RS232*1, CAN*1, USB*1
RAM capacity	JOB 200,000 steps, 10,000 robot commands (200MB)
Driving unit	6-axis AC servo system. External axis can be added as an option.

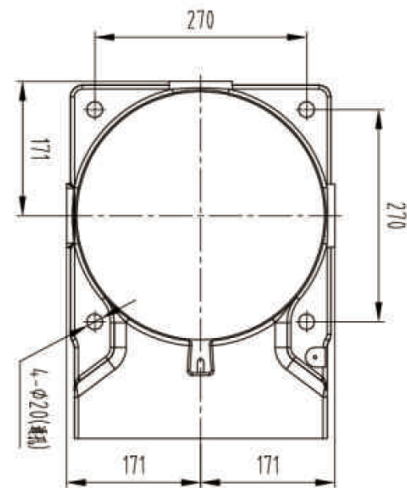
Operating conditions	
Use temperature	0~45°C
Storage temperature	-20~60°C
Humidity	10~90% RH, no condensing
Vibrations	Below 0.5G
Altitude	Below 1000m. (Degrade if over 1000m, max 2000m)
Other requirements	With no corrosive or combustible gas With no water, oil or drug splashing With no electromagnetic field nearby With no radiations nearby



► Flange and base dimensions (unit: mm)

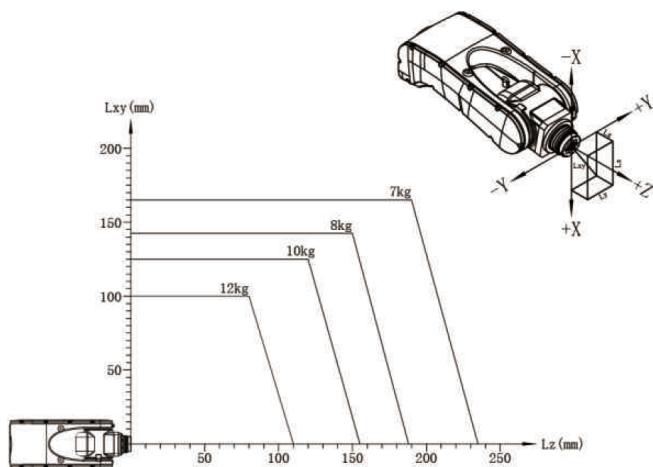


Flange



Base

► Payload diagram



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6-AXIS HANDLING ROBOT

MR20E-1840

Fast, accurate and reliable.

Suitable for pick-n-place, machine tending, palletizing and painting.

Suitable for TIG welding, aluminum welding and laser welding.

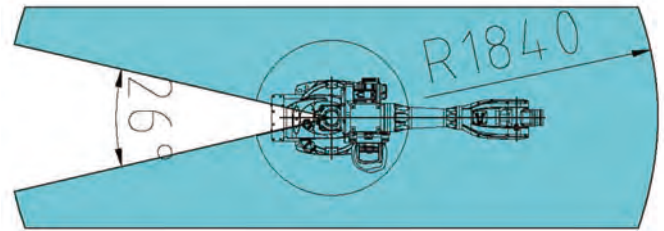
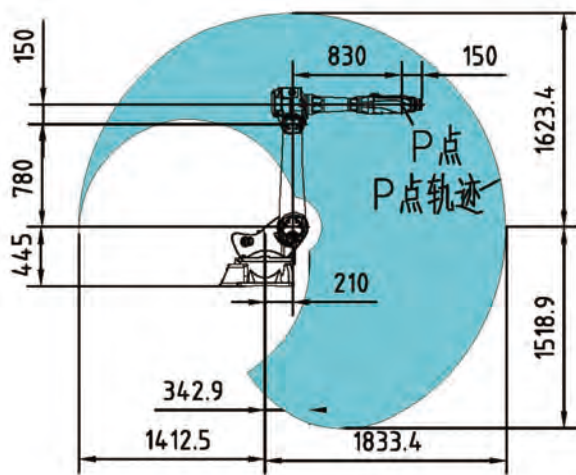


Robot specifications

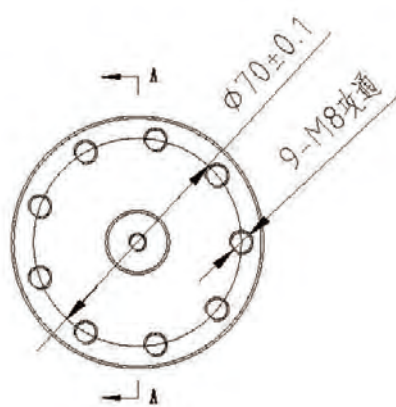
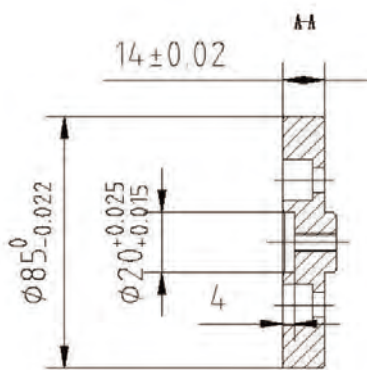
Basic data	
Model No.	MR20E-1840
Number of axes	6
Maximum payload	20 kg
Maximum stroke	1840mm
IP class	J1, J2 - IP56; J3, J4, J5, J6- IP67
Mounting position	Floor type, wall type, ceiling type
Approx. weight	260 kg (without cabinet)
Repeatability	±0.08 mm
Internal air duct	Φ10
Motion range	
J1 axis S	± 167°
J2 axis L	+92°~-150°
J3 axis U	+110°~-85°
J4 axis R	±150°
J5 axis B	+20°~-200°
J6 axis T	±360°
Speed with rated payload	
J1 axis S	200°/s
J2 axis L	198°/s
J3 axis U	163°/s
J4 axis R	296°/s
J5 axis B	333°/s
J6 axis T	333°/s

Electrical cabinet specifications	
Dimensions	650*495*580mm
Approx. weight	80KG
Cooling method	Natural cooling
Input power	380VAC 50/60Hz
Grounding	Industrial grounding (grounding resistance below 100Ω)
I/O terminals	16 digital inputs 16 digital outputs 2 analog outputs (optional)
Position control mode	EtherCAT, TCP/IP
Serial port I/F	RS485*1, RS422*1, RS232*1, CAN*1, USB*1
RAM capacity	JOB 200,000 steps, 10,000 robot commands (200MB)
Driving unit	6-axis AC servo system. External axis can be added as an option.

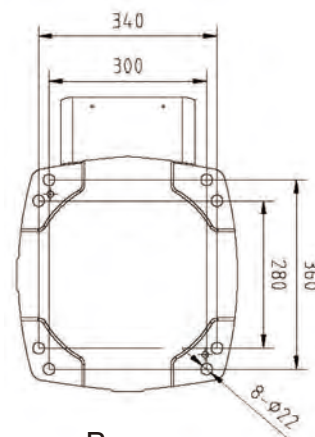
Operating conditions	
Use temperature	0~45°C
Storage temperature	-20~60°C
Humidity	10~90% RH, no condensing
Vibrations	Below 0.5G
Altitude	Below 1000m. (Degrade if over 1000m, max 2000m)
Other requirements	With no corrosive or combustible gas With no water, oil or drug splashing With no electromagnetic field nearby With no radiations nearby



► Flange and base dimensions (unit: mm)

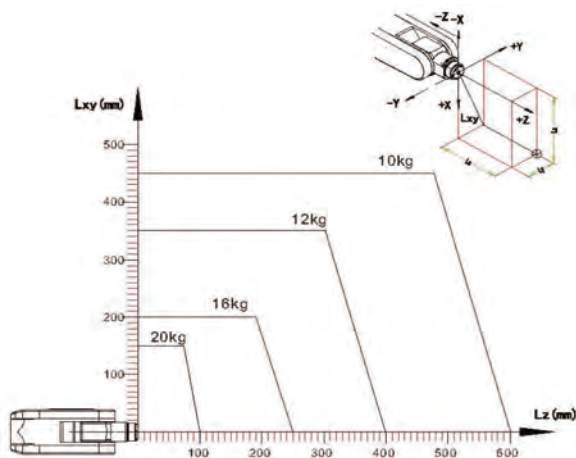


Flange



Base

► Payload diagram



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6-AXIS HANDLING ROBOT

MR10Z-2010

Special long-stroke design.

Suitable for pick-n-place and palletizing.

Suitable for TIG welding, aluminum welding and laser welding.

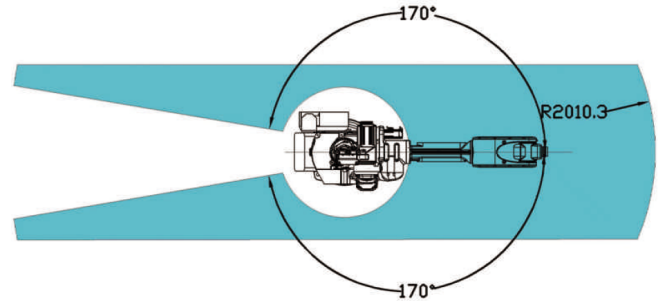
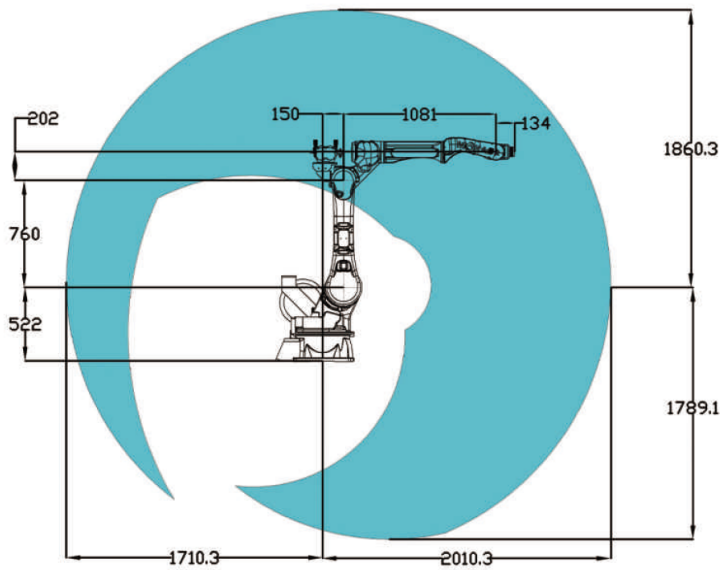


Robot specifications

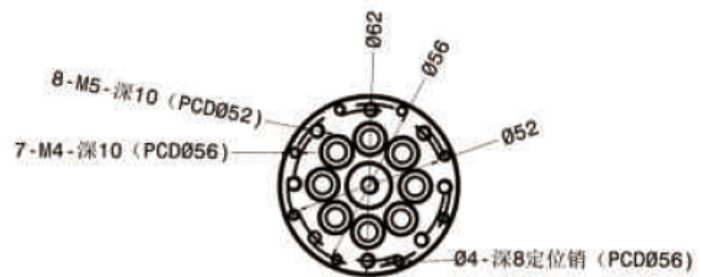
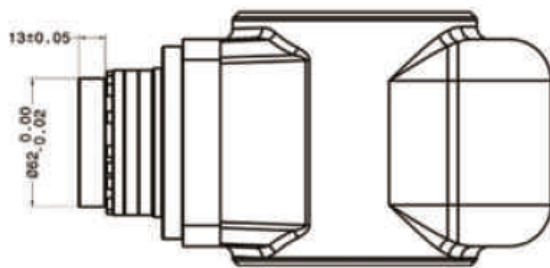
Basic data	
Model No.	MR10Z-2050
Number of axes	6
Maximum payload	10 kg
Maximum stroke	2010mm
IP class	J1, J2 - IP56; J3, J4, J5, J6- IP67
Mounting position	Floor type, wall type, ceiling type
Approx. weight	260 kg (without cabinet)
Repeatability	±0.05 mm
Internal air duct	Φ10
Motion range	
J1 axis S	± 160°
J2 axis L	+80°~-145°
J3 axis U	+145°~-75°
J4 axis R	±190°
J5 axis B	+50°~-210°
J6 axis T	±360°
Speed with rated payload	
J1 axis S	203°/s
J2 axis L	203°/s
J3 axis U	181°/s
J4 axis R	353°/s
J5 axis B	276°/s
J6 axis T	600°/s

Electrical cabinet specifications	
Dimensions	650*495*580mm
Approx. weight	60KG
Cooling method	Natural cooling
Input power	220VAC 50/60Hz
Grounding	Industrial grounding (grounding resistance below 100Ω)
I/O terminals	16 digital inputs 16 digital outputs 2 analog outputs (optional)
Position control mode	EtherCAT, TCP/IP
Serial port I/F	RS485*1, RS422*1, RS232*1, CAN*1, USB*1
RAM capacity	JOB 200,000 steps, 10,000 robot commands (200MB)
Driving unit	6-axis AC servo system. External axis can be added as an option.

Operating conditions	
Use temperature	0~45°C
Storage temperature	-20~60°C
Humidity	10~90% RH, no condensing
Vibrations	Below 0.5G
Altitude	Below 1000m. (Degrade if over 1000m, max 2000m)
Other requirements	With no corrosive or combustible gas With no water, oil or drug splashing With no electromagnetic field nearby With no radiations nearby

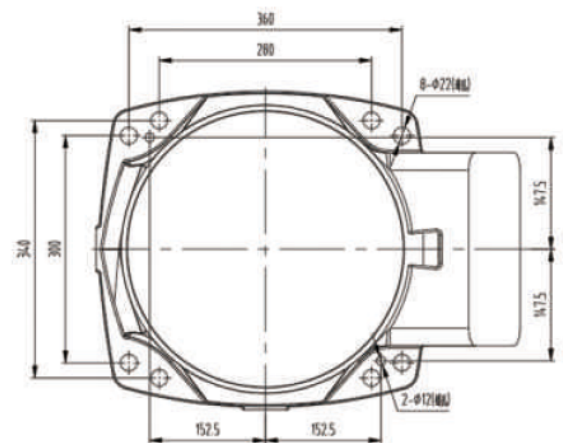
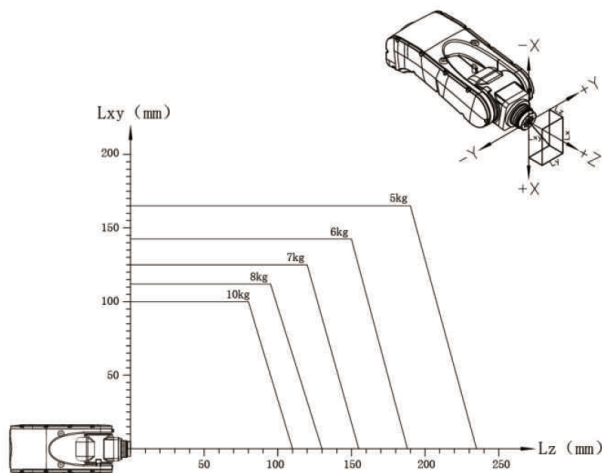


► Flange and base dimensions (unit: mm)



Flange

► Payload diagram



Base

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