



Enables Every Factory To Use Good Robot

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Jihoyen

Industrial robot

JIHOYEN ROBOT CATALOG

Wuxi Jihoyen Industrial Automation Co., Ltd.

Company Profile

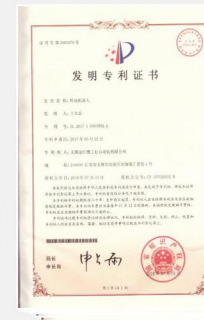


Wuxi Jihoyen Industrial Automation Co., Ltd.

Wuxi Jihoyen company is a high-tech enterprise that independently researches, develops, designs and produces industrial robots and provides solutions for industrial automation systems. Jihoyen has 10 years integration project experience in automation and industrial robots field and has more than 50 related intellectual properties.

We are one of the leading manufacture in China of the industrial robot which used for welding, cutting, stamping, handling. We also provide customers stable, reliable and cost-effective technical solution design; peripheral equipment, robot application technology training. Jihoyen robots are widely used for these applications like motorcycle parts, steel structure, farm machine, steel furniture, construction machinery, new energy, warehouse logistic, etc.

Our vision is enable every factory to use good robot.



JIHOYEN ROBOT

01

High Density: Die-casting technology was used for the robot arm to make the fore arm and upper arm with high density but lighter.

02

Flexible Moving: The ingenious design makes the robot structure reach a golden ratio and with wider working range, flexible movement.

03

Core Components: All of the core components adopt leading brand in China to ensure welding quality and performance stable and reliable.

04

Built-in Cables: Cables are built in to reduce interference during use and makes the robot look more compact.

05

3 Yrs /7500h Maintenance-free : Maintenance is simple, customers themselves can easily operate under our remote support.

06

Simple operate system: Operation page is simple and clear, in line with the customer's use habits, simple operation, easy to learn.



6 axis welding robot

BR-1510 series



1500mm reach

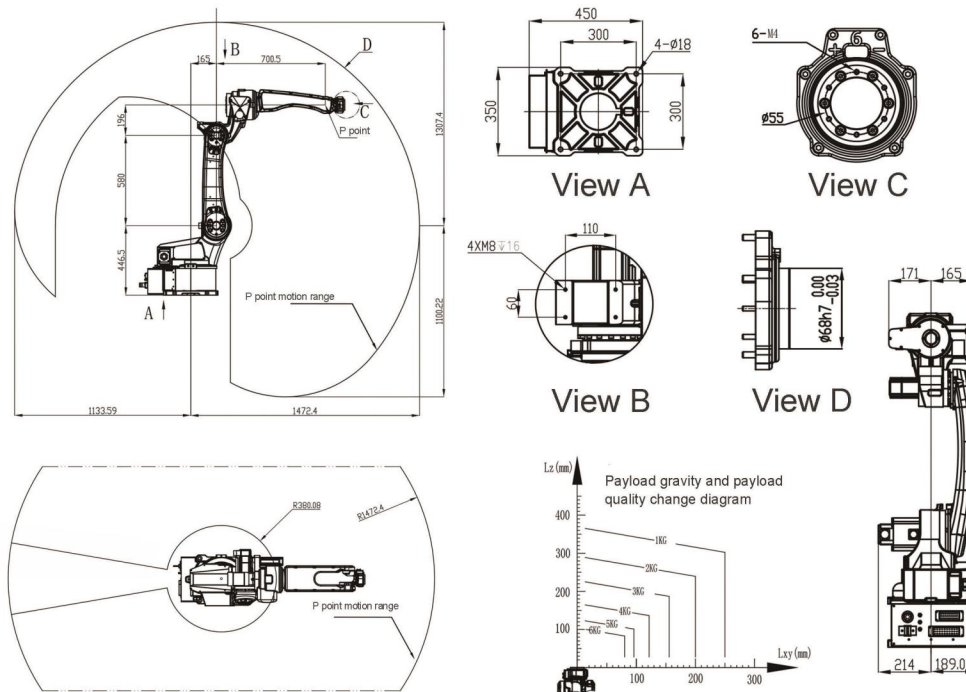
6kg max payload

For MIG welding

MODEL BR-1510A/ BR-1510 DEX/ BR-1510 PRO/ BR-1510 PLUS

Robot parameter

Model	BR-1510A	Motion Range	J1	±170°	Motion Speed	J1	259.3°/s
Axis	6		J2	+155° ~ -42°		J2	160° /s
Reach(about)	1500mm		J3	±80°		J3	296.3° /s
Max Payload	6KG		J4	±150°		J4	294.1° /s
Repeatability	±0.08mm		J5	+105° ~-130°		J5	294.1° /s
Power Capacity	2KVA		J6	±220°		J6	426.7° /s
Protection Class	IP65		Installation Method	Ground			
Robot Weight	172KG	Use Environment	0-45°C,20-80%RH(No condensation)				
Function	Welding	Input Voltage	Single-phase 220V ±10% 50/60Hz				



6 axis welding robot

BR-1810 series



1800mm reach

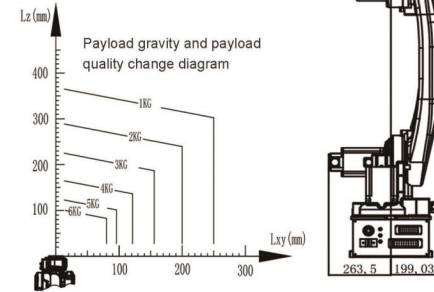
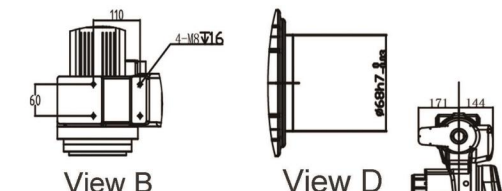
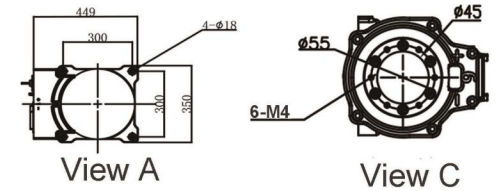
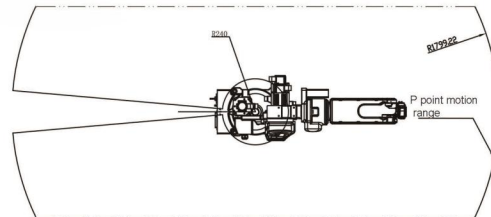
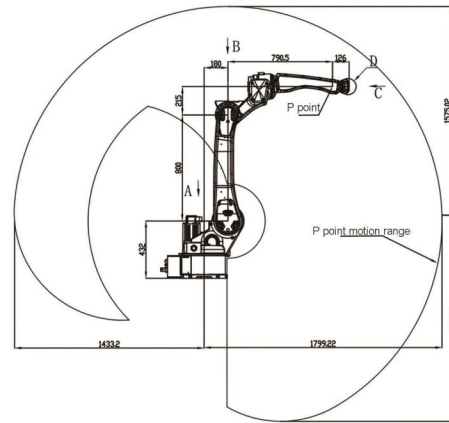
6kg max payload

For MIG welding

MODEL BR-1810A/ BR-1810 DEX/ BR-1810 PRO/ BR-1810 PLUS

Robot parameter

Model	BR-1810A	Motion Range	J1	$\pm 175^\circ$	Motion Speed	J1	$172.1^\circ / s$
Axis	6		J2	$+175^\circ \sim -60^\circ$		J2	$138.8^\circ / s$
Reach(about)	1800mm		J3	$+170^\circ \sim -85^\circ$		J3	$259.3^\circ / s$
Max Payload	6KG		J4	$\pm 150^\circ$		J4	$294.1^\circ / s$
Repeatability	$\pm 0.08\text{mm}$		J5	$+105^\circ \sim -130^\circ$		J5	$294.1^\circ / s$
Power Capacity	3KVA		J6	$\pm 220^\circ$		J6	$426.7^\circ / s$
Protection Class	IP65	Installation Method	Ground				
Robot Weight	200KG	Use Environment	0-45°C, 20-80%RH (No condensation)				
Function	Welding	Input Voltage	Single-phase 220V $\pm 10\%$ 50/60Hz				



6 axis welding robot

BR-2010 series



2000mm reach

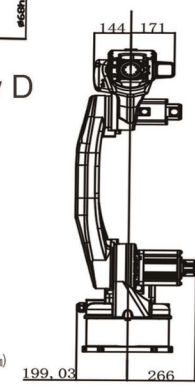
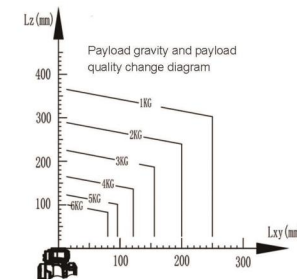
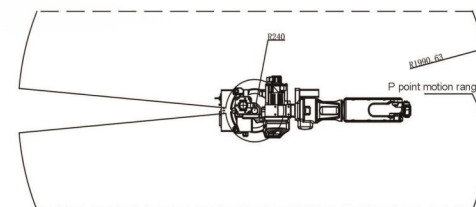
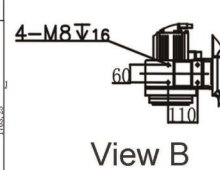
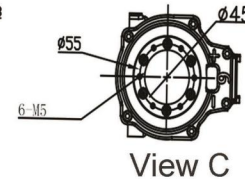
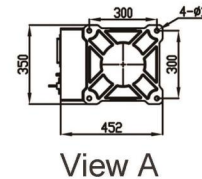
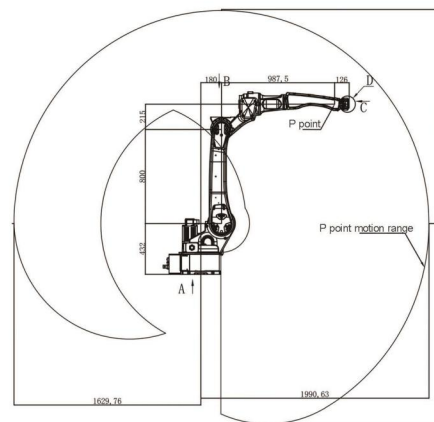
6kg max payload

For MIG welding

MODEL BR-2010A/ BR-2010 DEX/ BR-2010 PRO/ BR-2010 PLUS

Robot parameter

Model	BR-2010A	Motion Range	J1	$\pm 175^\circ$	Motion Speed	J1	172.1° /s
Axis	6		J2	$+175^\circ \sim -60^\circ$		J2	135.1° /s
Reach(about)	2000mm		J3	$+170^\circ \sim -85^\circ$		J3	259.3° /s
Max Payload	6KG		J4	$\pm 150^\circ$		J4	294.1° /s
Repeatability	$\pm 0.08\text{mm}$		J5	$+105^\circ \sim -130^\circ$		J5	294.1° /s
Power Capacity	3KVA		J6	$\pm 220^\circ$		J6	426.7° /s
Protection Class	IP65		Installation Method	Ground			
Robot Weight	230KG	Use Environment	0-45°C,20-80%RH(No condensation)				
Function	Welding	Input Voltage	Single-phase 220V $\pm 10\%$ 50/60Hz				



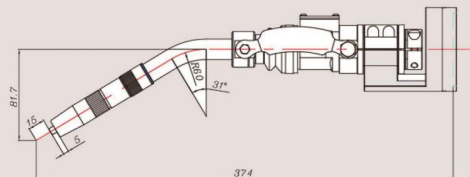
BR Standard Series

(BR-1510 A /BR-1810 A /BR-2010 A)



This series are used for the processing of thin carbon steel sheet, sheet metal and structural parts.

Welding Torch



Rated Current (MIG)	350A
Rated Current (MAG)	300A
Duty Rate	60 %
Wire Match	φ0.8-1.2
Cooling Way	AIR Cooling

Ehave CM350AR

Heavy-duty Full Digital Intelligent Welding Machine

- First-choice for harsh heavy-duty working environment
- Extensively applied in various carbon steel welding industries: rail transit, automobile, shipbuilding, steel structure, container, machining, metal hardware, etc

Classical Model

MIG welding machine	Carbon Steel	Stainless Steel	Aluminium Alloy	Ultra Low Splash	Water-cooling
Ehave CM350AR	●				



Welding machine parameter

Model	MEGMEET Ehave CM350AR
Control mode	Full Digital
Input voltage	3 phase 380Vac±25%,285V~475V
Input current frequency	30Hz~80Hz
Input capacity	13.5KVA
Rated open-circuit voltage	63.7V
Given current range	30A~400A
Given voltage range	12V~38V
Rated duty cycle	60%@350A@40°C /100%@350A@25°C
Robot communication	Analog communication
Welding Type	Carbon Steel
Insulation class	H
Protection grade	IP23S
Cooling mode	Intelligent air cooling
Wire feeding speed	1.4 ~ 24m/min
Dimensions	300mm×480mm×620mm
Weight	48kg

BR Dex Series

(BR-1510 Dex /BR-1810 Dex /BR-2010 Dex)



This series are used for the processing of thin carbon steel sheet under 2mm, sheet metal and structural parts, with ultra low splash. The most cost-effective series.

MAG-350RL

MIG/MAG Intelligent Welding Machine

- Can realize ultra-low spatter welding of 0.8-3mm carbon steel and galvanized sheet

The heat input is reduced by 10% to 20%, small welding deformation and stable welding quality



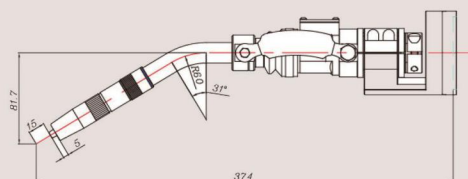
MIG welding machine	Carbon Steel	Stainless Steel	Aluminium Alloy	Ultra Low Splash	Water-cooling
Aotai 350RL	●			●	



Welding machine parameter

Model	AOTAI MAG-350RL
Control mode	Full digital
Input voltage	3 phase 380V ±10% 50Hz
Rated Input current	21A
Rated Input capacity	14KVA
Rated Output voltage	31.5V
Rated Open-circuit voltage	96V
Output current range	60A-350A
Output voltage range	17V-31.5V
Rated duty cycle	60%
Welding method	MIG/MAG
Wire diameter	φ0.8 / 1.0 / 1.2 mm
Welding Type	Carbon Steel
Protection grade	IP23
Cooling mode	air cooling
Gas flow	15-20(L/min)
Dimensions	660X320X560mm
Weight	55kg

Welding Torch



Rated Current (MIG)	350A
Rated Current (MAG)	300A
Duty Rate	60 %
Wire Match	φ0.8-1.2
Cooling Way	AIR Cooling

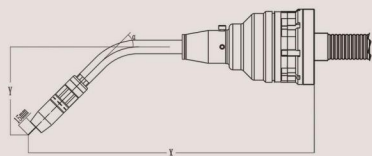
BR Plus Series

(BR-1510 Plus /BR-1810 Plus /BR-2010 Plus)



This series are used for the processing of medium thick carbon steel sheet and structural parts.

Welding Torch



Rated Current (MIG)	350A Co ₂
	300A mixed gas M21
Duty Rate	100 %
Wire Match	φ0.8-1.2mm
Cooling Way	AIR Cooling
Welding torch angle	31°/45°

Artsen II CM500

Heavy-duty CO₂/MAG Carrier Intelligent Welding Machine

- The inverter frequency of the welding machine is up to 64KHZ, high-speed sampling and full digital control
- Huge expert welding database, unified adjustment, key parameters can be automatically matched, it is convenient to use, and it is easier to obtain satisfactory welding results

MIG welding machine	Carbon Steel	Stainless Steel	Aluminium Alloy	Ultra Low Splash	Water-cooling
Artsen II CM500	●				



Welding machine parameter

Model	MEGMEET Artsen CM500
Control mode	Full Digital
Input voltage	3 phase 380Vac±25%,285V~475V
Input current frequency	30 ~ 80Hz
Input capacity	24KVA/22.3KW
Rated open-circuit voltage	73.3V
Rated output current	500A
Rated output voltage	39V
Rated duty cycle	60%
Given current range	30-500A
Given voltage range	12-45V
Welding Type	Carbon Steel
Insulation class	H
Protection grade	IP23S
Cooling mode	Intelligent air cooling
Dimensions	300mm×480mm×620mm
Weight	52kg

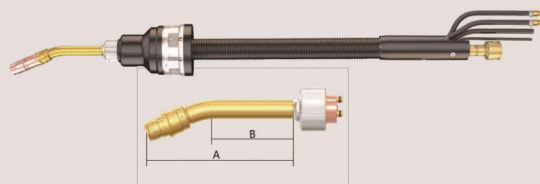
BR Pro Series

(BR-1510 Pro /BR-1810 Pro /BR-2010 Pro)



This series are used for the processing of thick carbon steel sheet and structural parts, especially for construction machinery workpieces.

Welding Torch



Model	Description	A	B
605W22	syphon(22°)	159	86
605W22L	syphon(22°longer)	333	260

Rated Current (MIG) 550A Co₂
500A mixed gas M21

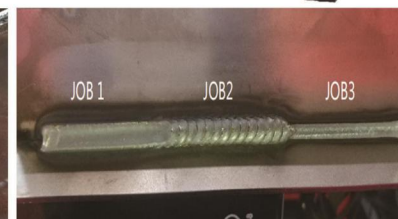
Duty Rate 100 %
Wire Match φ 0.8-1.6mm
Cooling Way water Cooling
Welding torch angle 22°/36°/45°/180°

Artsen Pro 500P

Intelligent Welding Machine With Extendable Process Platform

- Strong functions: multi communication mode+high and low voltage positioning+arc tracking+integrated push-pull welding torch drive
- New JOB mode brings collection of welding process. Dual Pulse? Dual DC? DC+Pulse? All up to you!

MIG welding machine	Carbon Steel	Stainless Steel	Aluminium Alloy	Ultra Low Splash	Water-cooling
Artsen Pro500P	●	●		●	●



Welding machine parameter

Model	MEGMEET Artsen Pro500P
Control mode	Full Digital
Input voltage	3 phase 380V AC
Input current frequency	50/60Hz
Input capacity	24KVA/22.3KW
Rated open-circuit voltage	85V
Given current range	30A~500A
Given voltage range	12V~45V
Rated duty cycle	60%@500A@40°C
Welding method	Co ₂ / MAG/MIG,short arc pulse
Wire diameter	φ0.8 /1.0 / 1.2/1.6/SPmm
Welding Type	Carbon Steel +Stainless Steel
Insulation class	H
Protection grade	IP23S
Cooling mode	Intelligent air cooling
Arc dynamic	-7~+7
Dimensions	300mm×480mm×620mm
Weight	57.5kg

6 Axis Multi-funtional robot

BR-1510B



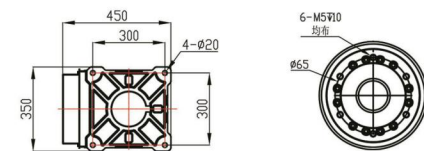
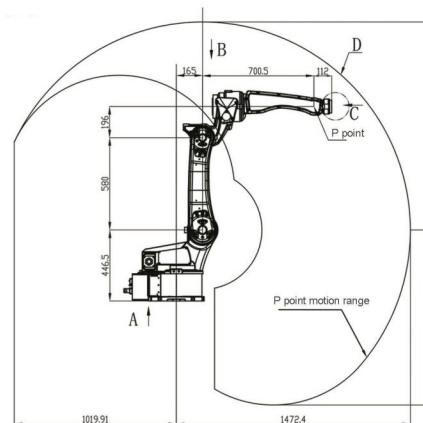
1500mm reach

10kg max payload

For handling, welding

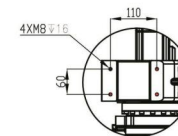
Robot parameter

Model	BR-1510B	Motion Range	J1	$\pm 170^\circ$	Motion Speed	J1	$259.3^\circ /s$
Axis	6		J2	$+130^\circ \sim -65^\circ$		J2	$160^\circ /s$
Reach(about)	1500 mm		J3	$\pm 75^\circ$		J3	$296.3^\circ /s$
Max Payload	10KG		J4	$\pm 150^\circ$		J4	$294.1^\circ /s$
Repeatability	$\pm 0.08mm$		J5	$+105^\circ \sim -125^\circ$		J5	$296.3^\circ /s$
Power Capacity	2KVA		J6	$\pm 360^\circ$		J6	$294.1^\circ /s$
Protection Class	IP65	Installation Method	Ground				
Robot Weight	172KG	Use Environment	0-45°C, 20-80%RH(No condensation)				
Function	handling welding	Input Voltage	Single-phase 220V $\pm 10\%$ 50/60Hz				

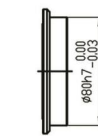


View A

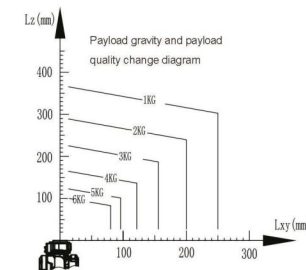
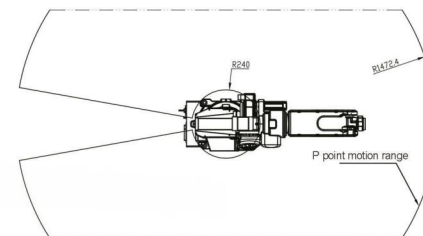
View C



View B



View D



6 Axis Multi-funtional robot

BR-1820B



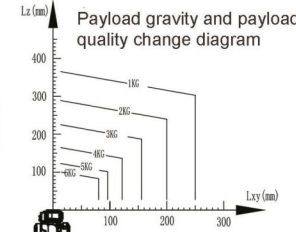
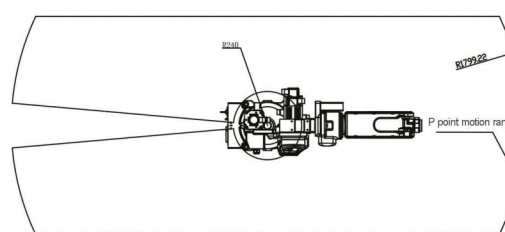
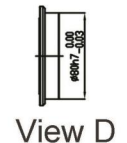
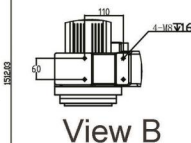
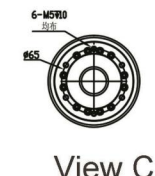
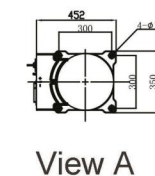
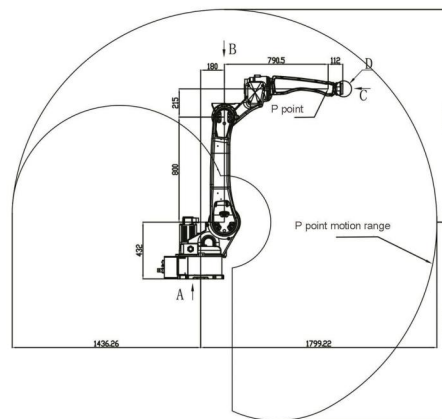
1800mm reach

20kg max payload

For handling, welding

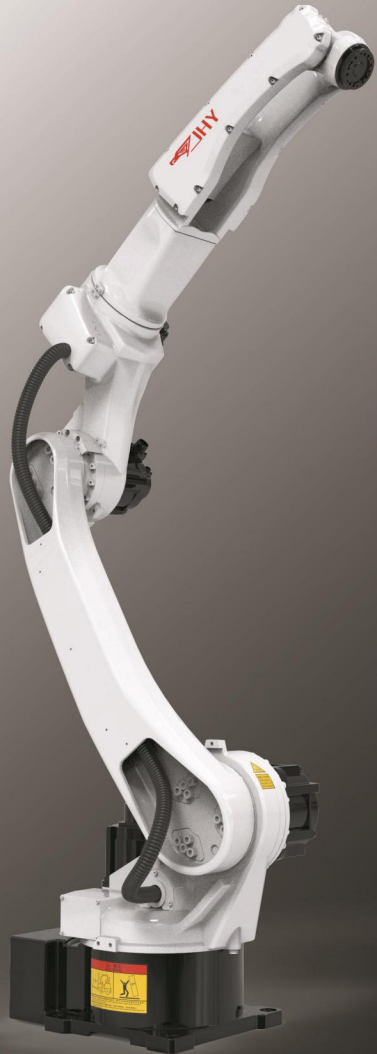
Robot parameter

Model	BR-1820B	Motion Range	J1	±175°	Motion Speed	J1	172.1° /s
Axis	6		J2	+150° ~ -85°		J2	135.1° /s
Reach(about)	1800mm		J3	±80°		J3	173.6° /s
Max Payload	20KG		J4	±150°		J4	294.1° /s
Repeatability	±0.08mm		J5	+105° ~ -125°		J5	296.3° /s
Power Capacity	3KVA		J6	±360°		J6	294.1° /s
Protection Class	IP65	Installation Method	Ground				
Robot Weight	200KG	Use Environment	0-45°C, 20-80%RH (No condensation)				
Function	handling welding	Input Voltage	Single-phase 220V ± 10% 50/60Hz				



6 Axis Multi-funtional robot

BR-2020B



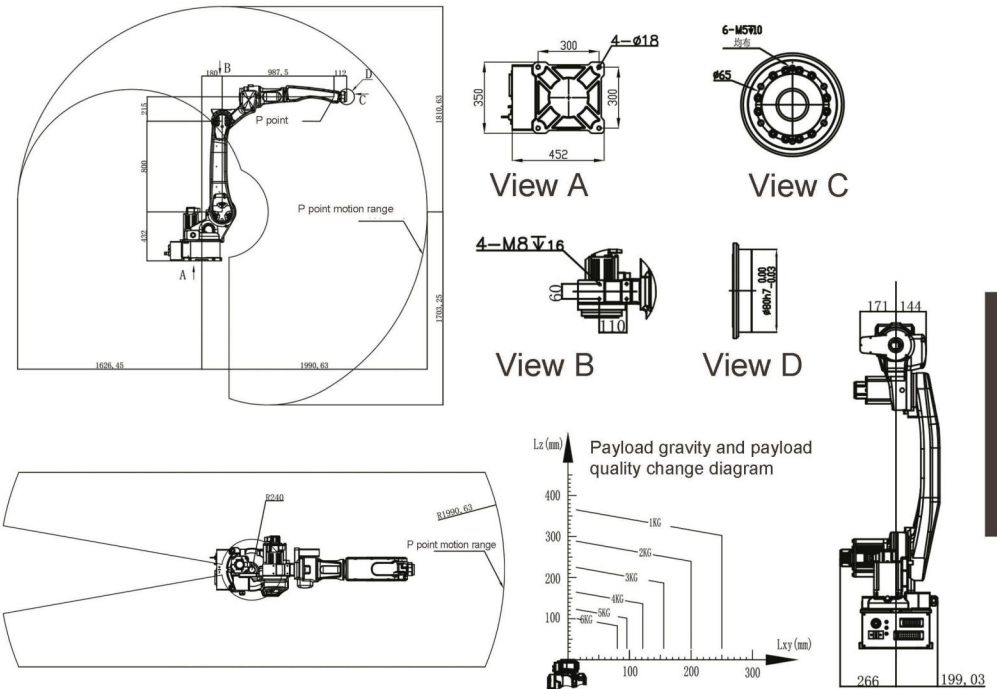
2000mm reach

20kg max payload

For handling, welding

Robot parameter

Model	BR-2020B	Motion Range	J1	$\pm 175^\circ$	Motion Speed	J1	172.1° /s
Axis	6		J2	$+150^\circ \sim -85^\circ$		J2	135.1° /s
Reach(about)	2000mm		J3	$\pm 80^\circ$		J3	173.6° /s
Max Payload	20KG		J4	$\pm 150^\circ$		J4	294.1° /s
Repeatability	$\pm 0.08\text{mm}$		J5	$+105^\circ \sim -125^\circ$		J5	296.3° /s
Power Capacity	3KVA		J6	$\pm 360^\circ$		J6	294.1° /s
Protection Class	IP65	Installation Method	Ground				
Robot Weight	230KG	Use Environment	0-45°C,20-80%RH(No condensation)				
Function	handling welding	Input Voltage	Single-phase 220V \pm 10% 50/60Hz				



JHY4030D-080

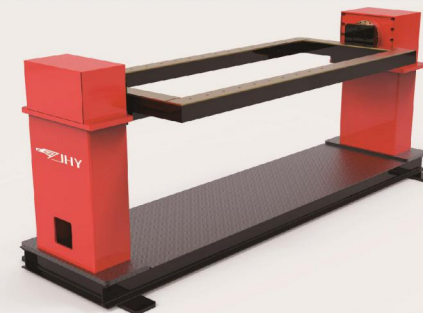
1 AXIS



Model	JHY4030D-080
Rated Input Voltage	Single-phase 220V, 50/60HZ
Motor Insulation Calss	F
Work Table	Diameter 800mm(can be customized)
Weight	About 400kg
Max. Payload	Axial Payload ≤300kg / ≤500kg / ≤1000kg(> 1000kg can be customized)
Repeatability	±0.1mm
Stop Position	Any Position

JHY4030A-180/250

1 AXIS



Model	JHY4030A-180 / JHY4030A-250
Rated Input Voltage	Single-phase 220V, 50/60HZ
Motor Insulation Calss	F
Work Table	1800X800mm / 2500X800mm (can be customized)
Weight	About 600kg/ About 800kg
Max. Payload	Axial Payload ≤300kg / ≤500kg/ ≤1000kg (> 1000kg can be customized)
Repeatability	±0.1mm
Stop Position	Any Position

JHY4010T-065

1 AXIS



Model	JHY4010T-065
Rated Input Voltage	Single-phase 220V, 50/60HZ
Motor Insulation Calss	F
Work Table	650mm(can be customized)
Weight	About 400kg
Max. Payload	Axial Payload ≤100kg / ≤500kg / ≤1000kg(> 1000kg can be customized)
Repeatability	±0.1mm
Stop Position	Any Position

JHY4010U-050/120

2 AXIS



Model	JHY4010U-050 / JHY4010U-120
Rated Input Voltage	Single-phase 220V, 50/60HZ
Motor Insulation Calss	F
Work Table	Diameter 500mm / 1200X1200mm (can be customized)
Weight	Refer to actual weight
Max. Payload	Axial Payload ≤100kg / ≤500kg/ ≤1000kg (> 1000kg can be customized)
Repeatability	±0.1mm
Stop Position	Any Position

JHY4030P-080

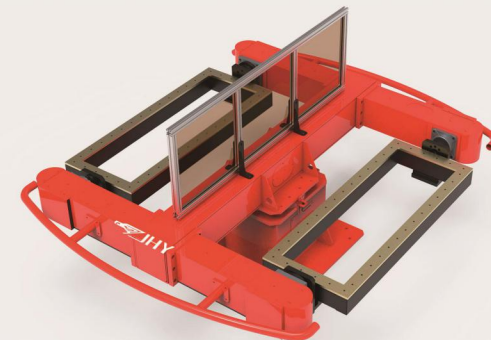
2 AXIS



Model	JHY4030P-080
Rated Input Voltage	Single-phase 220V, 50/60HZ
Motor Insulation Calss	F
Work Table	Diameter 800mm (can be customized)
Weight	About 400kg
Max. Payload	Axial Payload ≤300kg / ≤500kg (>500kg can be customized)
Repeatability	±0.1mm
Stop Position	Any Position

JHY4030S-180/250

3 AXIS



Model	JHY4030S-180 / JHY4030S-250
Rated Input Voltage	Single-phase 220V, 50/60HZ
Motor Insulation Calss	F
Work Table	1800X800mm / 2500X800mm (can be customized)
Weight	About 1600kg
Max. Payload	Axial Payload ≤100kg / ≤300kg / ≤500kg (>500kg can be customized)
Repeatability	±0.1mm
Stop Position	Any Position

JHY4050L-080

L2 AXIS



Model	JHY4050L-080
Rated Input Voltage	Single-phase 220V, 50/60HZ
Motor Insulation Calss	F
Work Table	800mm (can be customized)
Weight	About 400kg
Max. Payload	Axial Payload ≤500kg / ≤1000kg (>1000kg can be customized)
Repeatability	±0.1mm
Stop Position	Any Position

JHY6030A/6050A/6100A

≥ 3 m



Model	JHY6030A/ 6050A/ 6100A
Rated Input Voltage	Single-phase 220V, 50/60HZ
Motor Insulation Calss	F
Work Table	500X500mm (can be customized)
Weight	About 450kg
Max. Payload	Axial Payload ≤300kg / ≤500kg / ≤1000kg (>1000kg can be customized)
Repeatability	±0.1mm
Stop Position	Any Position

Standard workstation

8 axis workstation

- * one 6 axis robot
- * two 1-axis head-tail positioners
- * one torch clean device



7 axis workstation

- * one 6 axis robot
- * one 1-axis horizontal rotary positioner



Standard workstation

8 axis workstation

- * one 6 axis robot
- * one 2-axis P type positioner



8 axis workstation

- * one 6 axis robot
- * one 2-axis L type positioner



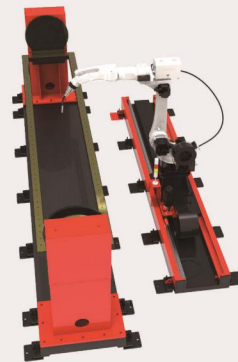
7 axis workstation

- * one 6 axis robot
- * one 1-axis headstock positioner



8 axis workstation

- * one 6 axis robot
- * one 1-axis head-tail positioner
- * one ground rail



8 axis workstation

- * one 6 axis robot
- * one 2-axis U type positioner

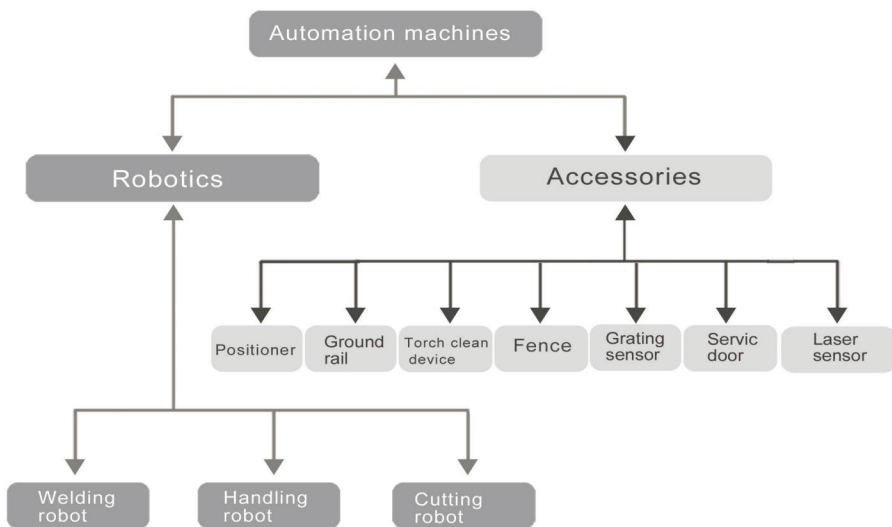


9 axis workstation

- * one 6 axis robot
- * one 3-axis rotary positioner



Robot workstation equipment selection guide



Robot accessories selection

Torch clean device

- Cleaning torch, cutting welding wire, spraying oil.
- It can be installed on the welding worktable or moved with the robot's ground rail.
- Imported pneumatic motor, stable speed, large torque, easy and quick slag removal.
- Any type of welding robot can be connected.
- The reamer can be replaced according to the welding gun nozzle, and the cleaning depth is adjustable.

