WELDEX

ROBOTIC WELDING SOLUTION

IAS ACCREDITED
Management Systems Certification Body
MSCB-166

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HANDLING ROBOT
Series

WELDEX CO., LTD.
THE WELDING EXPERT

LNC
Enable intelligent machines

Feature Description

- Handheld touch-screen
- Digital multiaxial control (Maximum 9 axis)
- Handheld touch-screen and 1.2 meter Anti-shock design
- IP65 waterproof and dustproof level
- Built-in MPG makes operation easier.
- Welding templet function can produce path quickly.
- Application page can be used easily for editing working procedure.

SPECIFICATION

Monitor	7"
Operational Panel	40 buttons
PC Interface	SD Card
Safety switch	2 stage switch (Std.)
Emergency stop	1

Communication cord	5m (Std.)
Input	128
Output	128
USB	USB host (2.0)
EtherNET	10BASE-T/100BASE-TX

RW8800 Series Welding Robot Controller, which apply to welding industry. The controller includes welding art bag to reach the diversity requirements such as dot correction, arc welding, spot welding, and welding bead tracking, and it supplies diversity welding machine's integration interface for further. The teaching pendant of robot strengthens durability and IP65 level waterproof and dustproof design, which is able to resistance external hash environment. Besides, built-in MPG is easily to operate and improve requirements of safety.

AMIG-350LST-R

LOW SPATTER TYPE

Full Digital Inverter DC CO_2/MAG Welding Machine

ITEM-MODEL	AMIG-350LST-R
Rated Input voltage	3 Phase, 380V±10%, 50/60 Hz
Rated Input capacity	12.7kVA
Rated open-circuit voltage	~72V
Duty cycle (40°C)	350A@60%
Output Current range	40 - 350A
Output Voltage range	14 - 40V
Welding Method	CO_2/MAG, Solid wire, Flux-cored wire
Wire diameter	0.8/1.0/1.2 mm
Welding sequence	2T, 4T, Spot
Protection Class	IP23
Insulation Class	H
Interface	Analog communication/Devicent, CAN, 485, digital communication
Dimension	655x324x546 mm
Weight	55 KG

Feature

- High Speed DSP+FPGA multi-core system, can shorten control period to control arc effectively
- Periodic molten drop control technology, molten poor is more stable, with beautiful welding seam formation.
- Welding spatter for carbon steel decrease 10%—20%, small deformation.
- Work with welding robots
  Integrated analog communicating, international Devicenet digital communication and Ethernet communication interface, realize seamless integration with robot.
- Open type communication mode, robot can control all parameters of welding machine.
- Built-in start point test function, can achieve welding seam

Ehave CM350AR

CLASSIC TYPE

Full Digital Heavy Duty Intelligent Welding Machine

ITEM-MODEL	Ehave CM350AR
Rated Input voltage	3 Phase, 380V±25%, 30~80 Hz
Rated Input capacity	13.5kVA
Rated open-circuit voltage	63.7V
Duty cycle (25°C)	350A@100%
Output Current range	30-400A
Output Voltage range	12-38V
Welding method	CO_2/MAG/MMA, Solid wire, Flux-cored wire, Electrode
Wire diameter	0.8/1.0/1.2 mm
Welding sequence	2T, 4T, special 4T, Spot
Welding parameter channel	10 sets (default)
Arc dynamic	-9 ~ +9
Reserved communication interface	CAN
Cooling mode	Intelligent Gas Cooling
Wire feed speed	1.4~24m/min
Protection class	IP23S
Machine environment	Heavy-duty Industry -39°C ~ +50°C
Dimension	300 × 480 × 620 mm
Weight	48 KG

Feature

- Stable arc in full current and low spatter, be suitable for different welding processes.
- Highly concentrated arc and strong penetration, 20% less than other machines in heat input.
- Excellent gap-bridging capability and less sensibility in wire extension.
- Droplet necking testing and micro-control technology can improve success rate of arc starting.
- Welding parameter locking and function expansion can be quickly set up on control panel without more configuration outsourcing.
- 10 groups of default parameters and up to 99 groups of customization.
- Communication with robot is available (for option).

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HANDLING ROBOT

2-06i
2-14-10
2-16-20
2-20-50

F-14-10
F-18-20
F-32-165

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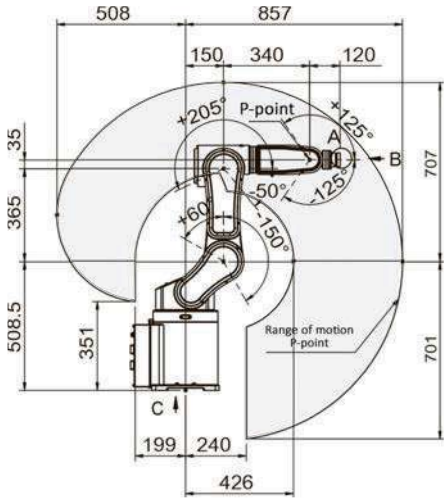
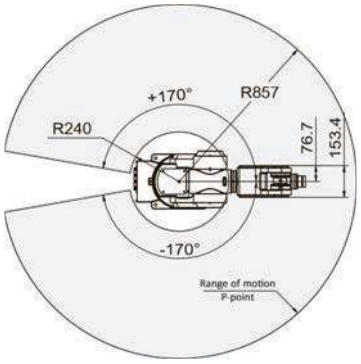
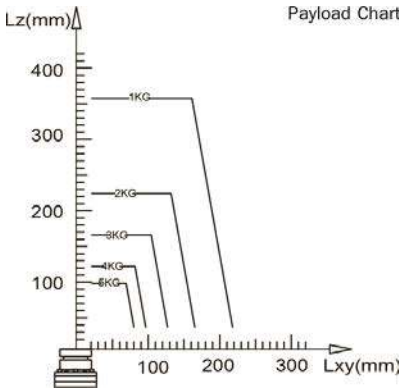
P-06i HANDLING ROBOT

Reach
850mm
Payload
6KG
Functional Features
Fast, compact and flexible,
Handling, loading and unloading

Working Range Diagram







Technical Parameter

Model	P-06i	Axis	Range of motion	Maximum speed
Number of axis	6	J1	±170°	145° /S
Maximum payload	6 KG	J2	+60° ~ -150°	133° /S
Reach	850mm	J3	+205° ~ -50°	140° /S
Position repeatability	±0.03mm	J4	±130°	172° /S
Power requirement	1.6KVA	J5	±125°	172° /S
Use environment	0-45°C 20-80%RH (No condensation)	J6	±360°	210° /S
Body weight	60KG			
Installation method	Ground, side mounting, hoisting			
Protection level	Equivalent to IP65			

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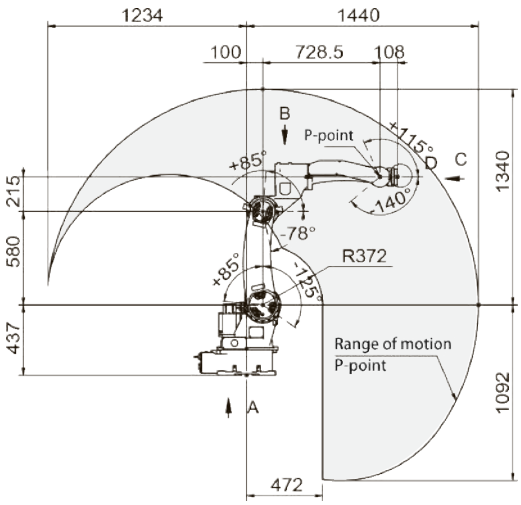
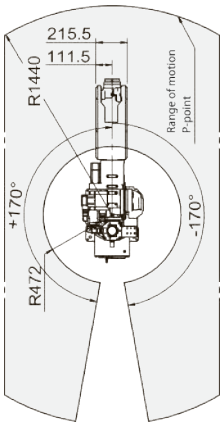
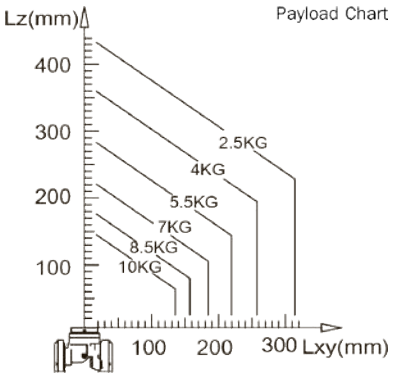
P-14-10 HANDLING ROBOT

Reach
1430mm
Payload
10KG
Functional Features
Strong versatility and easy maintenance
Handling/stacking, loading and unloading

Working Range Diagram







Technical Parameter

Model	P-14-10	Axis	Range of motion	Maximum speed
Number of axis	6	J1	±170°	180° /S
Maximum payload	10KG	J2	+85° ~ -125°	133° /S
Reach	1430mm	J3	+85° ~ -78°	140° /S
Position repeatability	±0.08mm	J4	±170°	217° /S
Power requirement	3.0KVA	J5	+115° ~ -140°	172° /S
Use environment	0-45°C 20-80%RH (No condensation)	J6	±360°	172° /S
Body weight	170KG			
Installation method	Ground, Hoisting			
Protection level	IP54/IP65 (Wrist)			

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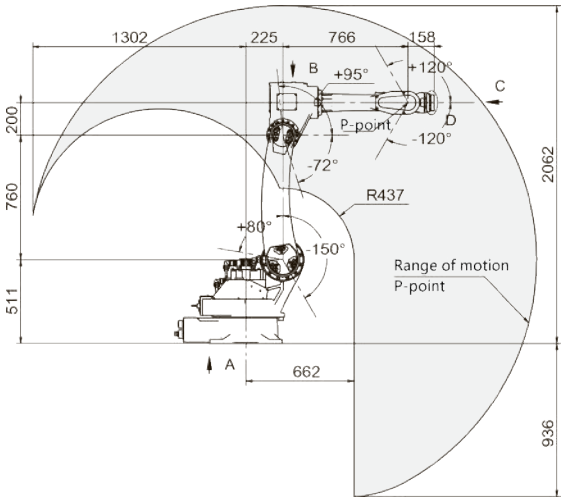
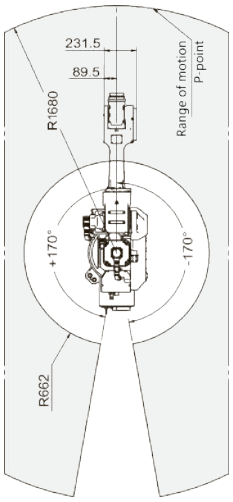
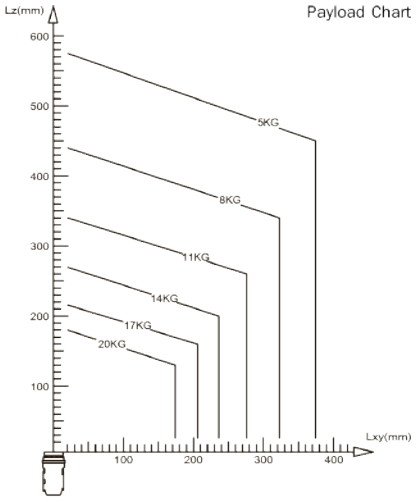
P-16-20 HANDLING ROBOT

Reach
1680mm
Payload
20KG
Functional Features
Strong versatility and wide range
Handling/stacking, loading and unloading

Working Range Diagram







Technical Parameter

Model	P-16-20	Axis	Range of motion	Maximum speed
Number of axis	6	J1	±170°	150° /S
Maximum payload	20KG	J2	+80° ~ -150°	140° /S
Reach	1680mm	J3	+95° ~ -72°	140° /S
Position repeatability	±0.08mm	J4	±170°	173° /S
Power requirement	8.0KVA	J5	±120°	172° /S
Use environment	0-45°C 20-80%RH (No condensation)	J6	±360°	332° /S
Body weight	330KG			
Installation method	Ground, Hoisting			
Protection level	IP54/IP65 (Wrist)			

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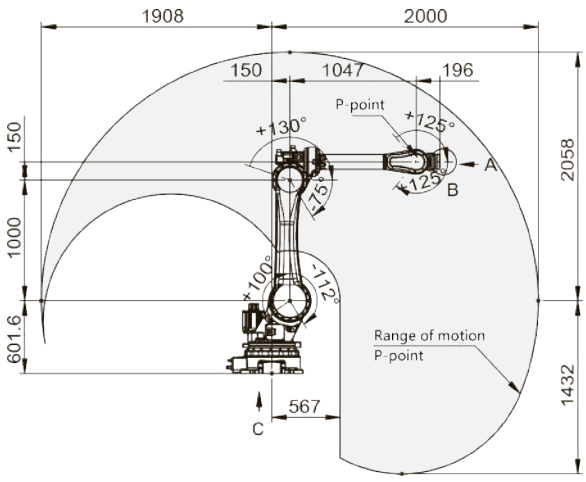
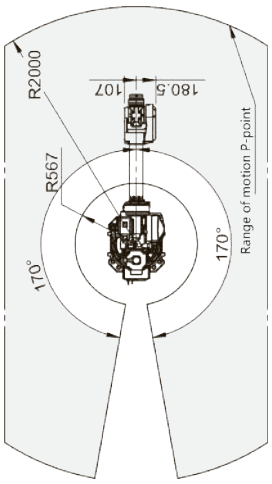
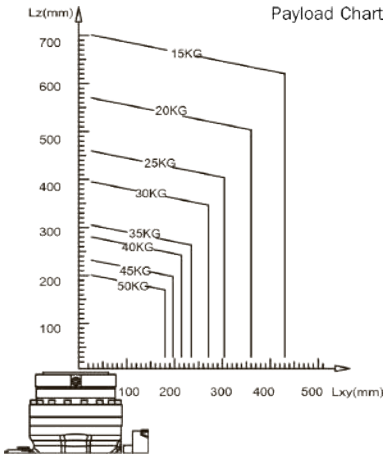
P-20-50 HANDLING ROBOT

Reach
2200mm
Payload
50KG
Functional Features
Easy maintenance, large working radius
Handling/stacking, loading and unloading

Working Range Diagram







Technical Parameter

Model	P-20-50	Axis	Range of motion	Maximum speed
Number of axis	6	J1	±170°	70° /S
Maximum payload	50KG	J2	+100° ~ -112°	95° /S
Reach	2200mm	J3	+130° ~ -75°	99° /S
Position repeatability	±0.08mm	J4	±200°	201.5° /S
Power requirement	8.0KVA	J5	±125°	145° /S
Use environment	0-45°C 20-80%RH (No condensation)	J6	±360°	217° /S
Body weight	520KG			
Installation method	Ground			
Protection level	IP54/IP65 (Wrist)			

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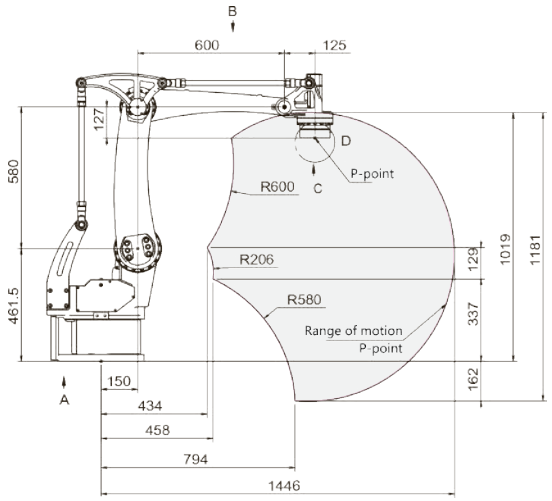
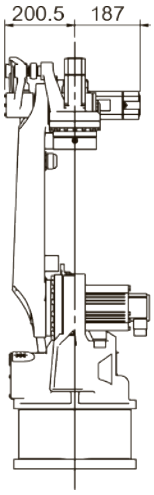
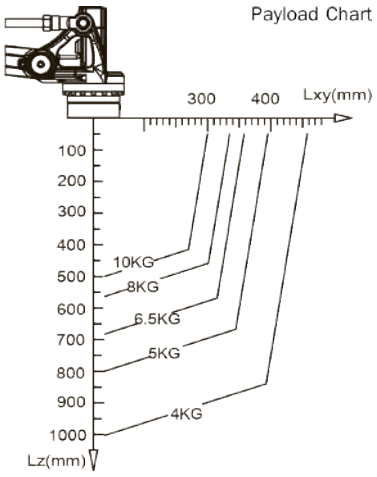
F-14-10 HANDLING ROBOT

Reach
1400mm
Payload
10KG
Functional Features
More efficient and easy to maintain,
Handling/stacking, loading and unloading

Working Range Diagram







Technical Parameter

Model	F-14-10	Axis	Range of motion	Maximum speed
Number of axis	4	J1	±170°	190° /S
Maximum payload	10KG	J2	+10° ~ +125°	120° /S
Reach	1400mm	J3	+10° ~ -95°	120° /S
Position repeatability	±0.08mm	J4	±360°	200° /S
Power requirement	3.7KVA			
Use environment	0-45°C 20-80%RH (No condensation)			
Body weight	170KG			
Installation method	Ground			
Protection level	IP54/IP65 (Wrist)			

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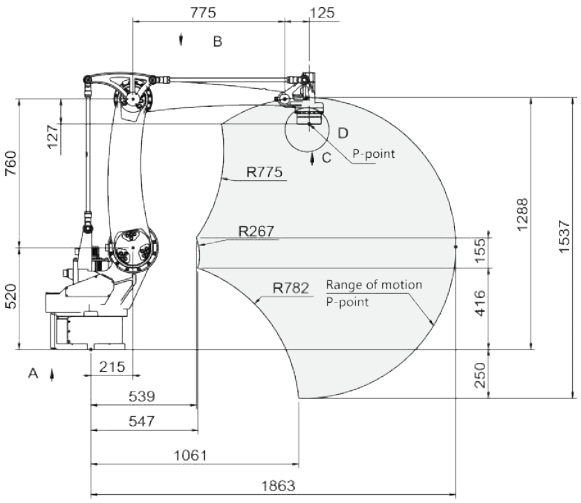
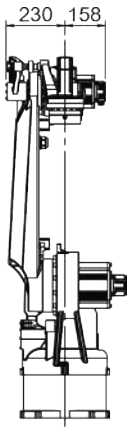
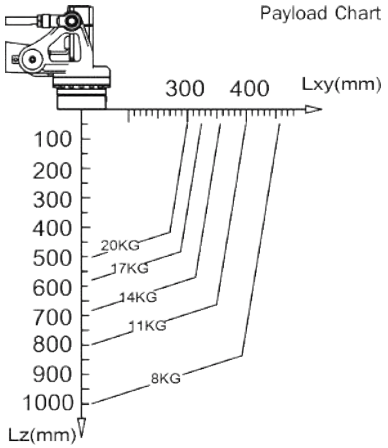
F-18-20 HANDLING ROBOT

Reach
1800mm
Payload
20KG
Functional Features
More efficient and easy to maintain
Handling/stacking, loading and unloading

Working Range Diagram







Technical Parameter

Model	F-18-20	Axis	Range of motion	Maximum speed
Number of axis	4	J1	±170°	150° /S
Maximum payload	20KG	J2	+125° ~ +10°	142° /S
Reach	1800mm	J3	+10° ~ -92°	145° /S
Position repeatability	±0.08mm	J4	±360°	200° /S
Power requirement	6.0KVA			
Use environment	0-45°C 20-80%RH (No condensation)			
Body weight	280KG			
Installation method	Ground			
Protection level	IP54/IP65 (Wrist)			

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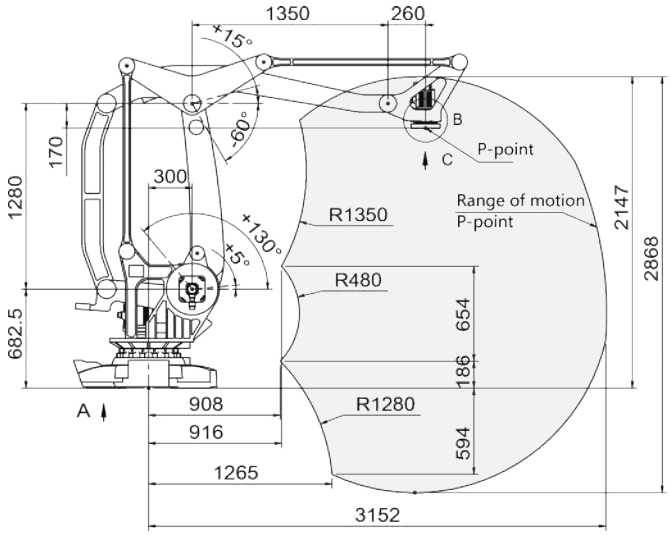
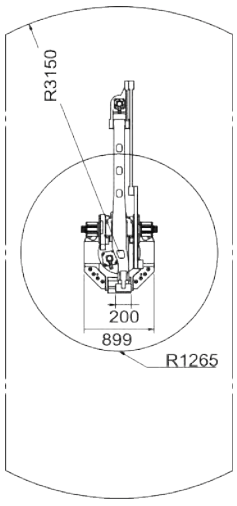
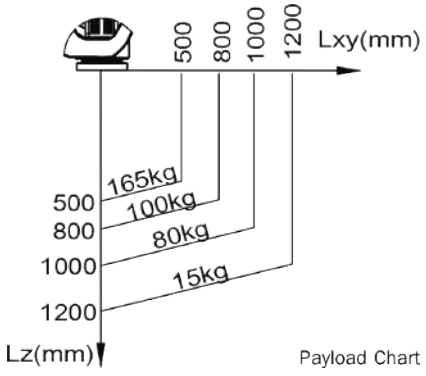
F-32-165 HANDLING ROBOT

Reach
3150mm
Payload
165KG
Functional Features
4-axis heavy load, more efficient
Handling, palletizing, loading and unloading

Working Range Diagram







Technical Parameter

Model	F-32-165	Axis	Range of motion	Maximum speed
Number of axis	4	J1	±180°	70° /S
Maximum payload	165KG	J2	+5° ~ +130°	82° /S
Reach	3150mm	J3	+15° ~ -60°	82° /S
Position repeatability	±2mm	J4	±360°	200° /S
Power requirement	10KVA			
Use environment	0-45°C 20-80%RH (No condensation)			
Body weight	1500KG			
Installation method	Ground			
Protection level	IP54/IP65 (Wrist)			

WELDEX

website map facebook

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