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PRODUCT INTRODUCTION

MWH SERIES

U-tube welding machine for heat exchanger



PRODUCT SUPERIORITY

INTRODUCTION

- The enclosed design ,can meet the welding requirements of U-shaped cannula of heat exchanger with center spacing of 38mm;
- The baseboard is designed in water-cooled mode, with a high temporary load rate,stable and reliable for long periods of continuous operation;
- Using DC and radial double air path design, easily control the surface appearance and welding quality of the welding pass;
- For the straight section of the U-shaped tube, the cylinder and the clamping mode are used, which makes the welding tongs clamping more reliable and faster;
- The integral welding tongs is made of fully imported material, light weight and easy to learn with one button operation;
- With expert parameters, the welding parameters can be automatically generated by simply entering the pipe diameter and wall thickness, and the welding can be carried out.

Unit: mm

Model Size	MWH-16A	MWH-18A	MWH-21A	MWH-25A	MWH-16AJSG
A	401	483	482	480	223
B	190	212	211	232	89
C	79	80	79	83	80
D	97	106	106	116	189
E	84	106	106	116	58
F	16	18	21	25	16



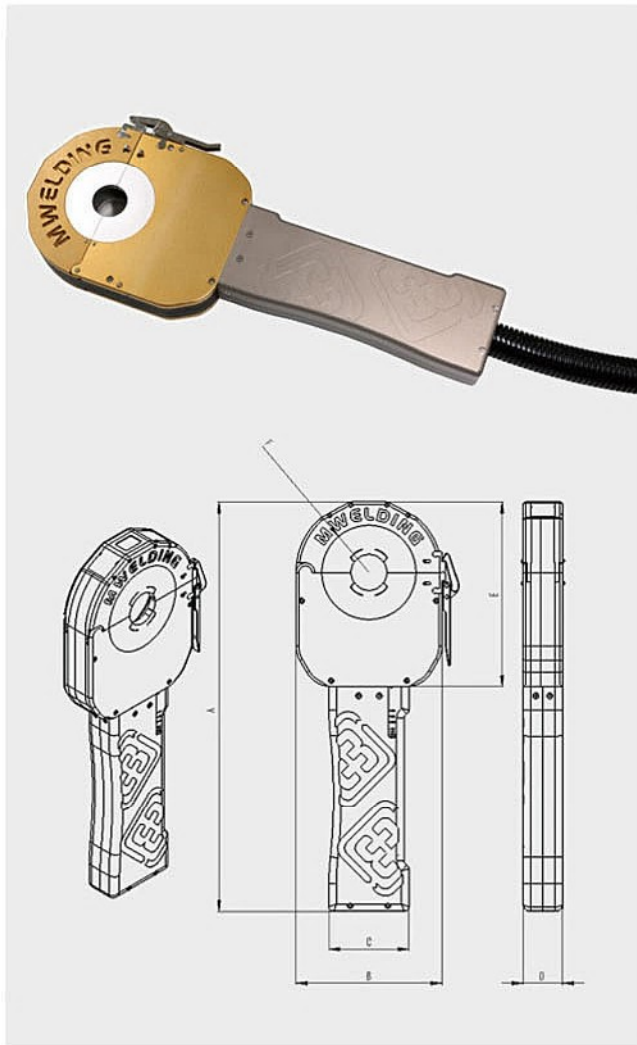
Unit: mm、kg

Model Parameters	MWH-16A	MWH-18A	MWH-21A	MWH-25A	MWH-16AJSG
Pipe diameter	Φ12.7~16.0	Φ18.0	Φ19.0~21.0	Φ22.0~25.0	Φ12.7~16.0
Butt wall thickness	≤1.3	≤1.3	≤1.3	≤1.3	≤1.3
Plug wall thickness	≤1.6	≤1.6	≤1.6	≤1.6	≤1.6
Protective gas	Argon	Argon	Argon	Argon	Argon
Cooling method	Circulating water cooling	Circulating water cooling	Circulating water cooling	Circulating water cooling	Circulating water cooling
Tungsten specification	1.6	1.6	1.6	1.6	1.6
Welding tongs	3.0	4.5	4.5	3.5	2.0

PRODUCT INTRODUCTION

MWF SERIES

Closed Pipe Welding Equipment



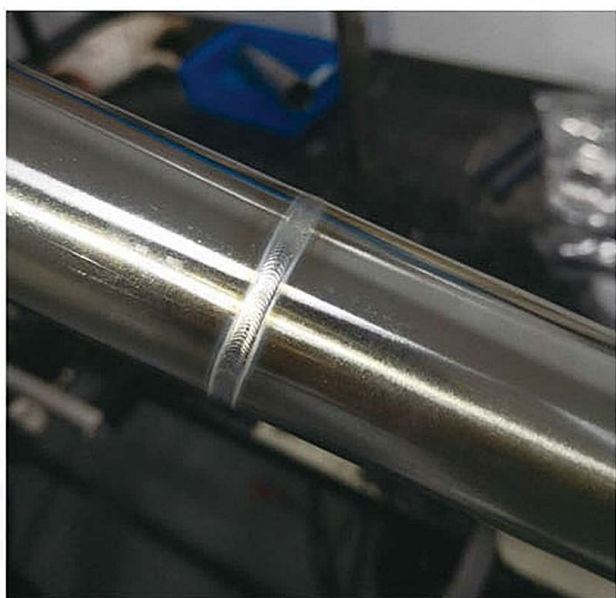
PRODUCT SUPERIORITY

INTRODUCTION

- Welding tongs internal body water cooling, improve the welding tongs temporary load rate, prolong the life of welding tongs;
- 4 argon gas protection inside the welding tongs chamber, improve the weld quality, make the weld more beautiful;
- With speed feedback function, make welding tongs rotation more accurate and stable. Real-time monitoring weld Angle;
- With speed feedback function, make welding tongs rotation more accurate and stable. Real-time monitoring weld Angle;
- With expert parameters, the welding parameters can be automatically generated by simply entering the pipe diameter and wall thickness, and the welding can be carried out.
- The integral welding tongs is made of fully imported material, light weight and easy to learn with one button operation;
- Welding tongs adopts flexible fixture, which can be fine-tuned according to the tolerance range of the domestic pipe fitting, so that the welding tongs firmly locks the pipe fitting.

Unit: mm

Model Size	MWF-12	MWF-18	MWF-40	MWF-80	MWF-120	MWF-168
A	284	194	380	436	508	679
B	55	60	100	155	190	296
C	50	40	78	85	95	120
D	36	58	38	42	48	72
E	102	76	140	196	248	379
F	/	32	56	100	132	204



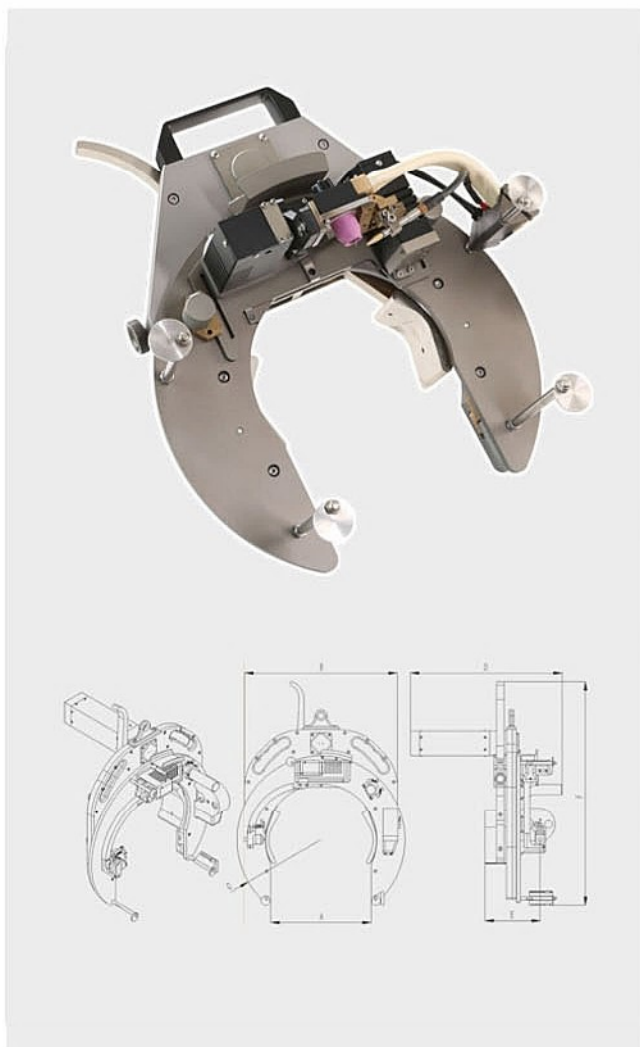
Unit: mm, kg

Model	MWF-12	MWF-18	MWF-40	MWF-80	MWF-120	MWF-168
Parameters						
Pipe diameter	Φ4.0~12.7	Φ4.0~17.1	Φ6.35~38.1	Φ19.05~76.2	Φ38.1~114.3	Φ63.5~168
Wall thickness	≤1.0	≤1.0	≤2.5	≤2.5	≤2.5	≤2.5
Protective gas	Argon	Argon	Argon	Argon	Argon	Argon
Cooling method	Circulating water cooling	Circulating water cooling	Circulating water cooling	Circulating water cooling	Circulating water cooling	Circulating water cooling
Tungsten specification	1.0	1.6	1.6, 2.4	1.6, 2.4	1.6, 2.4	1.6, 2.4
Welding tongs	1.0	1.5	2.5	3.0	6.0	10.0

PRODUCT INTRODUCTION

MWG SERIES

Open Pipe Welding Equipment



PRODUCT SUPERIORITY

INTRODUCTION

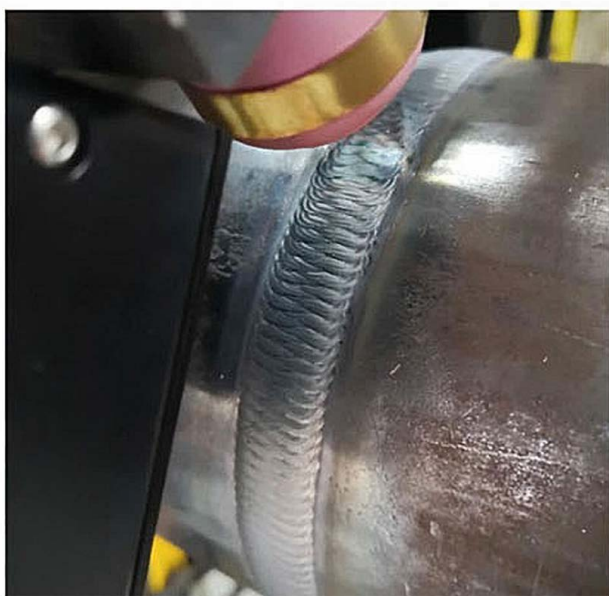
- Equipment adopts standard modular design, easy replacement of spare parts, low cost;
- With speed feedback function, make welding tongs rotation more accurate and stable, to achieve perfect welding quality;
- With automatic arc length and lateral oscillation function, to meet the welding of pipe fittings of different sizes;
- Welding tongs is water cooled by circulation, high temporary load rate, long time continuous work stable and reliable, no heat;
- Under the same conditions, with different pipe diameters, only need to input pipe diameters, without adjusting the welding parameters can be welded;
- Welding tongs adopts hafer clamps, which can be adjusted according to the diameter of the pipe, so that the welding tongs firmly locks the pipe fitting.

Unit: mm

Model Size	MWG-90	MWG-170	MWG-230	MWG-325
A	92	172	235	328
B	165	280	400	500
C	230	340	425	550
D	382	382	437	497
E	135	160	165	181
F	337	453	620	730



MECHANICAL
WELDING



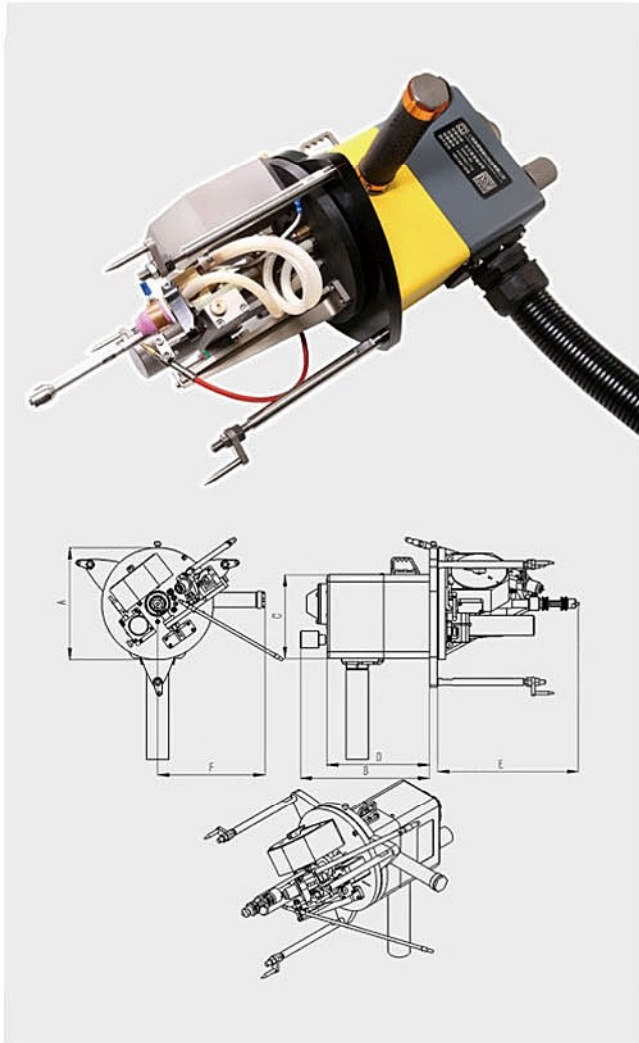
Unit: mm, kg

Model Parameters	MWG-90	MWG-170	MWG-230	MWG-325
Pipe diameter	Φ20~Φ89	Φ63~Φ168	Φ130~Φ230	Φ159~Φ325
Wall thickness	1-10	2-10	2-10	2-10
Protective gas	Argon	Argon	Argon	Argon
Cooling method	Circulating water cooling	Circulating water cooling	Circulating water cooling	Circulating water cooling
Tungsten specification	2.4	2.4	2.4	2.4
Welding tongs	6	10	24	36

PRODUCT INTRODUCTION

MWP SERIES

All Position Tube Sheet Automatic Welding Equipment



PRODUCT SUPERIORITY

INTRODUCTION

- With automatic arc length function, it can meet different kinds of pipe welding, reduce manual interference, easy to operate;
- MWP-38 welding torch head with closed shield construction and argon arc self-melting welding process, the welding process is more pure, Excellent gas protection;
- MWP-65C is a rack type tube plate, which is more suitable for small pipe diameter welding, minimum pipe diameter inner hole 6mm;
- Welding torch is water cooled by circulation, high temporary load rate, long time continuous work stable and reliable no heating;
- Under the same conditions, with different pipe diameters, only need to input pipe diameters, without adjusting the welding parameters can be welded;
- Welding torch is fixed with inner expansion pneumatic core expansion, and different core expansion can be replaced according to the different inner diameter of the pipe fitting, which is convenient and reliable.

Unit: mm

Model Size	MWP-38	MWP-65	MWP-65C	MWPN-15	MWHG-15
A	151	160	210	178	180
B	190	232	286	287	246
C	136	150	150	164	164
D	100	184	184	181	181
E	130	259	217	390	285
F	103	192	120	90	90



Unit: mm, kg

Model	MWP-38	MWP-65	MWP-65C	MWPN-15	MWHG-15
Parameters					
Pipe diameter	ID10 ~ OD38.1	ID16 ~ OD63	ID6 ~ OD63	ID15	OD15 Pipe center opening 40
Diameter of welding wire	/	Φ0.8、Φ1.0	Φ0.8、Φ1.0	/	/
Protective gas	Argon	Argon	Argon	Argon	Argon
Cooling method	Circulating water cooling	Circulating water cooling	Circulating water cooling	Circulating water cooling	Circulating water cooling
Tungsten specification	2.0、2.4	2.4	2.4	2.4	2.4
Welding tongs	6	10	8	12	13

PRODUCT INTRODUCTION

MWA SERIES

Integrated control power supply



PRODUCT SUPERIORITY

INTRODUCTION

- Scientific internal structure design, reasonable wiring layout, convenient site movement, installation and operation;
- The full set of welding power configuration of hydropower and gas integration only weighs 18 kg, which is convenient for field and high-altitude welding operation;
- Single chip microcomputer control system, welding process parameters accurate and rapid operation, not easy to damage, convenient replacement;
- Built-in cooling water circulation system, good cooling effect. Greatly increase welding torch temporary load rate;
- Color 10-inch touch screen, graphic and step interface design, simple and fast operation;
Real-time monitoring of welding process current, voltage, rotation speed and other parameters, with various support functions;
- With the function of speed feedback and voltage supply, ensure the welding tongs speed accurate and stable, improve welding quality.

TECHNICAL PARAMETER

Product model	MWA-200
Input power	AC220V±10% 50/60Hz
Rated duty cycle	120A Temporary loading rate 100%
Welding current range	5-200A
protective function	Over voltage, over current, leakage, arc initiation failure, tungsten short circuit protection, phase deficiency detection
Dimensions L x W x H	500×293×334
Weight	18KG



PRODUCT SUPERIORITY

INTRODUCTION

- Product appearance and structure, designed by professional industrial design company, rational atmosphere, contracted but not simple;
- The internal structure design is scientific, the external wiring layout is reasonable, not easy to produce interference, easy to move and install on site;
- Intelligent PLC control system to ensure accurate and rapid operation of welding process parameters;
- Color 10-inch touch screen, graphic and step interface design, simple and fast operation;
- Real-time monitoring of the welding process of the operation parameters, can timely control the use of the process of problems;
- Perfect function of interval segmentation and parameter preservation, changing, fetching and preserving according to different welding process requirements;
- Built-in cooling water circulation system, good cooling effect, greatly increase welding torch temporary load rate;

TECHNICAL PARAMETER

Product model	MWA-400
Input power	Three-phase + Ground wire AC380V±10% 50/60HZ
Rated duty cycle	400A Temporary loading rate 60%
Welding current range	4-400A
protective function	Over voltage, over current, leakage, arc initiation failure, tungsten short circuit protection, phase deficiency detection
Dimensions L x W x H	768×470×906
Weight	120KG

PRODUCT INTRODUCTION

MULTIPLE SERIES

Welding Auxiliary equipment



A



B



C



D



E

Name order by A-E

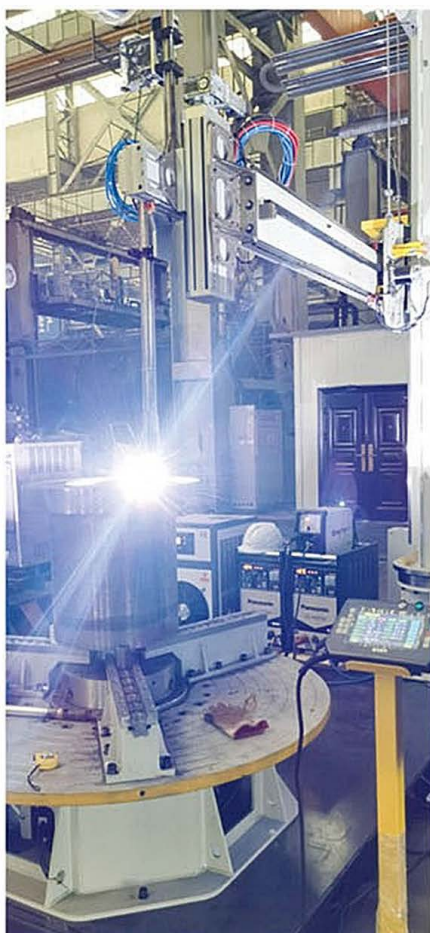
Parameters	Name	External wire feeder	Tungsten Grinder	Pipe cutting machine	Pipe beveling machine	Tube squaring machine
Model		MWS-170	MWX-3.0	CM-3.0	ISY-150 etc.	CP-3.0
Size range			Φ1.6~3.0mm	Φ6~76mm	Φ65~159mm	Φ12~51mm
Power		30W	400	1100	1100	400
Weight		12KG	1KG	37KG	21KG	2KG

PRODUCT INTRODUCTION

MULTIPLE SERIES

Customized welding equipment

HOT WIRE TIG SURFACING EQUIPMENT

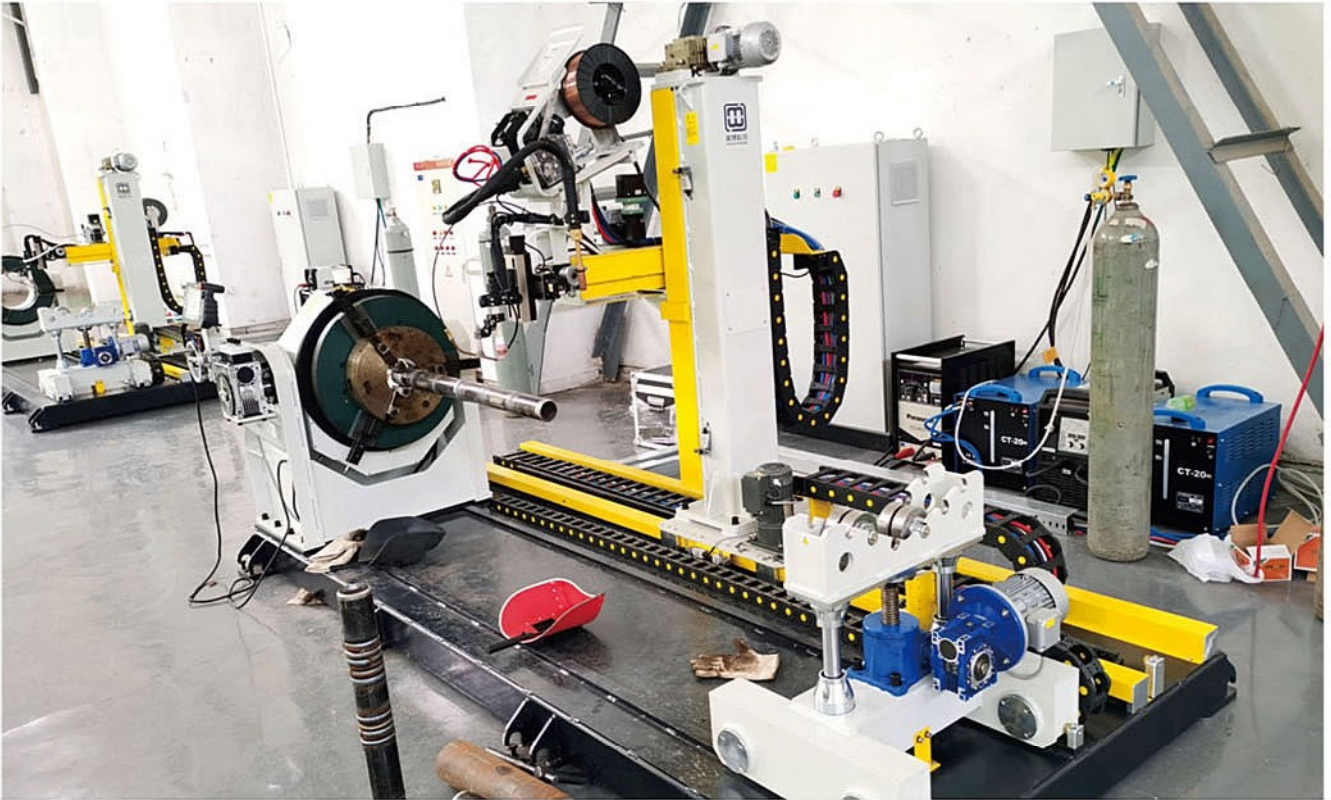


PRODUCT INTRODUCTION

MULTIPLE SERIES

Customized welding equipment

LONGITUDINAL SEAM CIRCUMFERENTIAL WELDING MACHINE





COOPERATIVE PARTNER



GERMANY EWM

EWM-coldArc Cold Arc Welding Process
EWM-forceArc Super Power Arc Welding Process
EWM-activArc Intelligent Welding Process
EWM-spotArc Spot Welding Process
Tetrix DC-P Series Plasma Welding Power Supply



GERMANY REHM

INVERTIG.PRO digital Super Pulse Welding Process
FOCUS.ARC P MIG-MAG Welding Process
15000Hz Arc With Pulse Frequency Up To The World Record
More Precise And More Concentrated Arc Power



FRANCE SAF

Nertamatic 450 Plasma/TIG Welding System
Nertamatic 51 Micro Plasma/TIG Welding System
TOPTIG Welding System
Multi gun simultaneous online or offline welding system, etc



SWEDEN ABB

Arc Welding Robot System
Resistance Welding Robot System
Handling Robot System



清华大学
Tsinghua University



上海交通大学
SHANGHAI JIAO TONG UNIVERSITY



兰州理工大学



哈尔滨工业大学
HARBIN INSTITUTE OF TECHNOLOGY