



BUTT FUSION



WUXI YUDA PLASTIC PIPE WELDING MACHINERY FACTORY

COMMITTED TO PLASTIC PIPE WELDING TECHNOLOGY AND PLASTIC
PIPE WELDING EQUIPMENT RESEARCH



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RGH-ELBOW Series Pre-insulated Pipe Welding Machine

COMPANY PROFILE

DEDICATED AND RELIABLE EXPERTS COMMUNICATION IS KEY SATISFACTION GUARANTEED

Wuxi Yuda Plastic Pipe Welding Machinery Factory located at Wuxi in Jiangsu. Since established in 1995, is growing one of the largest welding manufacturers in China. Yuda is an enterprise devoted to plastic pipe welding technology and research, design, manufacture, sales, training and maintenance of plastic pipe welding equipment, providing the customers with full and best service.

Yuda's main products include Manual butt fusion machine, Semi-automatic hydraulic butt fusion machine, CNC butt fusion machine, Multi-angle fitting welding machine, Multi-angle cutting machine, Saddle fusion machine for reducing tee, Arched surface cutter, all of these have semi-automatic or full-automatic type to choose. And also accompany with various auxiliary tools specially used in construction, such as Drainage welding machine, Socket welder, Electrofusion machine, Extrusion welder, Geomembrane welder, pipe cutter, bead remover etc.



Many years of growth enables Yuda to accumulate rich experience in technology development, It has set up good and wide business relationships with domestic and foreign scientific research organization, production factories, gas and running water companies, and professional construction companies, Yuda is responsible for every customer, and before delivery, each machine must pass factory strict inspection process to ensure best quality and qualified product. After-sale service always exists.

The guideline of our enterprise is that customer's need is our pursuit, the product quality is the life of the enterprise, enterprise's aim is to be world-famous. We wholeheartedly welcome numerous customers at home and abroad to visit us for guidance and business discussion.

QUALIFICATION CERTIFICATE



RDHS160



RDHS200



Application & Features:

1. Suitable for butt fusion welding of plastic pipes and fittings made of PE, PP, and PVDF in construction site or workshop.
2. Consists of basic frame, heating plate, planing tool, and support (for planing tool & heating plate).
3. Removable PTFE coated heating plate with separate temperature control system.
4. Electric milling cutter with double cutting edge blades.
5. Low starting pressure ensures reliable welding quality of small pipes.
6. It is made of lightweight and high strength material; simple structure and easy to operate.

Technical Specification:

Model	RDHS160	RDHS200
Welding range(mm)	50.63.75.90.110.125.140.160	63.75.90.110.125.140.160.180.200
Heating Plate Max. Temp	270°C	270°C
Temp. Deviation in surface	<±5°C	<±5°C
Working voltage	220V 50Hz	220V 50Hz
Heating Plate Power	1.0 KW	1.8KW
Planing Tool Power	0.85KW	0.85KW
Total Power	1.85KW	2.65 KW
Net Weight	45 KGS	66 KGS
Gross Weight	68 KGS	96 KGS
Package	Cases	1 Plywood Case
	Volume	0.29M ³

Application & Features:

1. Suitable for butt fusion welding of plastic pipes and fittings made of PE, PP, and PVDF in construction site or workshop.
2. Consists of basic frame, heating plate, planing tool, support (for planing tool & heating plate) and hydraulic unit.
3. Removable PTFE coated heating plate with separate temperature control system.
4. Electric milling cutter with double cutting edge blades.
5. Low starting pressure ensures reliable welding quality of small pipes.
6. The use of high quality aluminum pouring casting allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe.
7. Hydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases.
8. High-accurate and shockproof pressure meter indicates clearer reading.

Optional Parts



Data Logger



Single Clamp



Trolley



Stub end device for short flange



RDH250

Components



Basic Frame



Heater connection



Trimmer



Heating Plate



Support



Hydraulic Unit

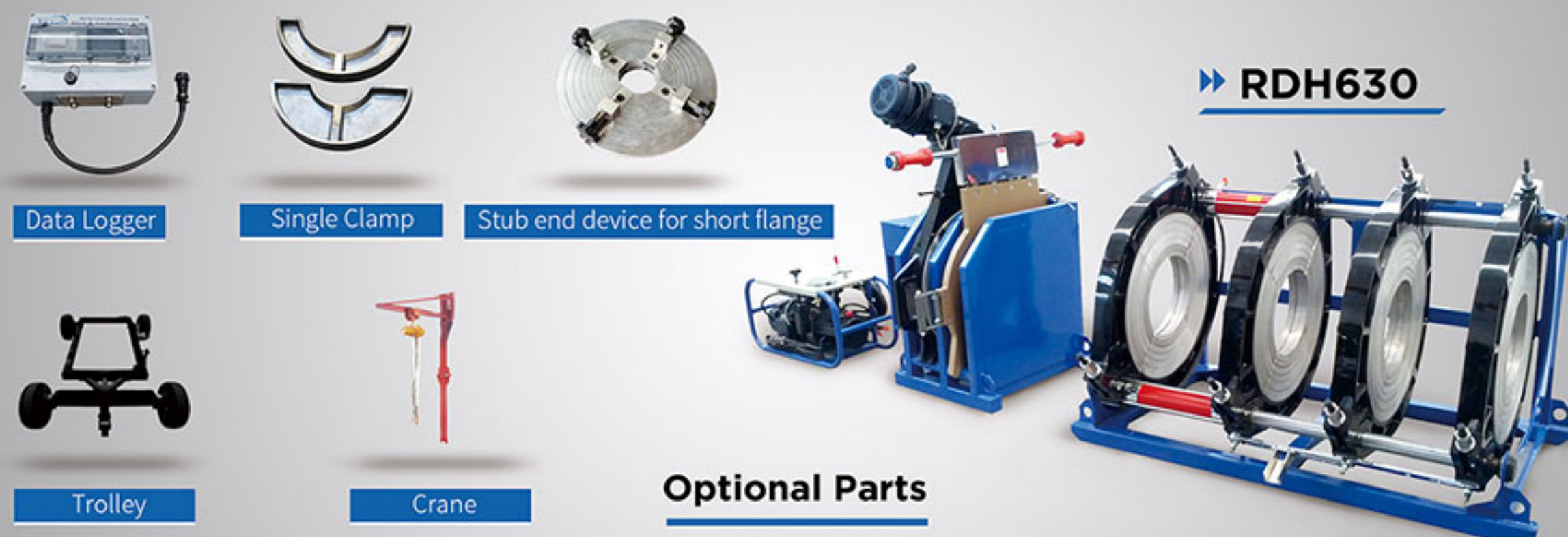
Technical Specification:

Model	RDH160	RDH250	RDH315	RDH355
Welding range (mm)	63. 75. 90.110.125. 140.160.	110.125.140.160. 180.200.225.250	90.110.125.140.160.180. 200.225.250.280.315	160.180.200.225. 250.280.315.355
Heating Plate Max. Temp.	270°C	270°C	270°C	270°C
Temp. Deviation in surface	<±5°C	<±5°C	<±5°C	<±5°C
Working voltage	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz
Heating Plate Power	1.0 KW	2.1 KW	3.1 KW	3.5 KW
Planing Tool Power	0.85 KW	1.36 KW	1.36 KW	1.36 KW
Hydraulic unit Power	0.75 KW	0.75 KW	0.75 KW	0.75 KW
Total Power	2.6KW	4.21 KW	5.21 KW	5.61 KW
Pressure adjustable ranges	0-8MPA	0-8MPA	0-8MPA	0-8MPA
Net Weight	107 KGS	143 KGS	184 KGS	214 KGS
Gross Weight	153.5 KGS	205KGS	254 KGS	274KGS
Package	Cases	3 Plywood Case	3 Plywood Case	3 Plywood Case
	Volume	0.58M ³	0.75M ³	1.11M ³

RDH Series Hydraulic Butt Welding Machine | RDH400 RDH450 RDH500 RDH630

Application & Features:

1. Suitable for butt fusion welding of plastic pipes and fittings made of PE, PP, and PVDF in construction site or workshop.
2. Consists of basic frame, heating plate, planing tool, support (for planing tool & heating plate) and hydraulic unit.
3. Removable PTFE coated heating plate with separate temperature control system.
4. Electric milling cutter with double cutting edge blades.
5. Low starting pressure ensures reliable welding quality of small pipes.
6. The use of high quality aluminum pouring casting allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe.
7. Hydraulic pump with controls, and quick release hoses. Includes count down timers for heating and cooling phases.
8. High-accurate and shockproof pressure meter indicates clearer reading.



Technical Specification:

Model	RDH400	RDH450	RDH500	RDH630
Welding range (mm)	200.225.250.280.315.355.400.	200.225.250.280.315.355.400.450	250.280.315.355.400.450.500	315.355.400.450.500.560.630
Heating Plate Max. Temp.	270°C	270°C	270°C	270°C
Temp. Deviation in surface	<±7°C	<±7°C	<±7°C	<±7°C
Working voltage	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Heating Plate Power	4KW	5.2 KW	5.4 KW	9.2 KW
Planing Tool Power	1.5KW	1.5 KW	1.5KW	1.5 KW
Hydraulic unit Power	1.5 KW	1.5 KW	1.5KW	1.5 KW
Total Power	7KW	8.2 KW	8.4 KW	12.2 KW
Pressure adjustable ranges	0-12MPA	0-12MPA	0-12MPA	0-12MPA
Net Weight	304KGS	375 KGS	439 KGS	566 KGS
Gross Weight	414KGS	512 KGS	588 KGS	755 KGS
Package	Cases	3 Plywood Case	3 Plywood Case	3 Plywood Case
	Volume	1.87M ³	2.66M ³	2.7M ³

RDH800 RDH1000 RDH1200 | RDH Series Hydraulic Butt Welding Machine



Optional Parts



Application & Features:

1. Suitable for butt fusion welding of plastic pipes and fittings made of PE, PP, and PVDF in construction site or workshop.
2. Consists of basic frame, heating plate, planing tool, and support (for planing tool & heating plate) and hydraulic unit.
3. Removable PTFE coated heating plate with separate temperature control system.
4. Electric milling cutter with double cutting edge blades.
5. Low starting pressure ensures reliable welding quality of small pipes.
6. It is made of lightweight and high strength material; simple structure and easy to operate.
7. Hydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases.
8. High-accurate and shockproof pressure meter indicates clearer reading.
9. Labor saving and high efficient crane is available to lift planing tool and heating plate.

Technical Specification:

Model	RDH800	RDH1000	RDH1200
Welding ranges (mm)	500.560.630.710.800	630.710.800.900.1000	630.710.800.900.1000.1100.1200
Heating Plate Max. Temp.	270°C	270°C	270°C
Temp. Deviation in surface	<±7°C	<±7°C	<±7°C
Working voltage	380V 50Hz	380V 50Hz	380V 50Hz
Heating Plate Power	12.5 KW	18KW	29.2KW
Planing Tool Power	2.2 KW	3 KW	3 KW
Hydraulic unit Power	2.2 KW	2.2KW	2.2 KW
Electric Crane Power	0.5KW	0.5KW	1 KW
Total Power	17.4KW	23.7 KW	35.4 KW
Pressure adjustable ranges	0-16MPA	0-16MPA	0-16MPA
Net Weight	1375 KGS	1820 KGS	3596 KGS
Gross Weight	1750 KGS	2266 KGS	4435 KGS
Package	Cases	4 Plywood Cases	4 Plywood Cases
	Volume	8.89M ³	11.2M ³

RDH2600



Data Logger



Single Clamp



Stub end device for short flange



Trolley

Optional Parts

Application & Features:

1. Suitable for butt fusion welding of plastic pipes and fittings made of PE, PP, and PVDF in construction site or workshop.
2. Consists of basic frame, heating plate, planing tool, support (for planing tool & heating plate) and hydraulic unit.
3. Removable PTFE coated heating plate with separate temperature control system.
4. Electric milling cutter with double cutting edge blades.
5. Low starting pressure ensures reliable welding quality of small pipes.
6. It is made of lightweight and high strength material; simple structure and easy to operate.
7. Hydraulic pump with controls, and quick release hoses. Includes count down timers for heating and cooling phases.
8. High-accurate and shockproof pressure meter indicates clearer reading.
9. Clamps Open Hydraulically to save labor force and improve working efficiency.

Technical Specification:

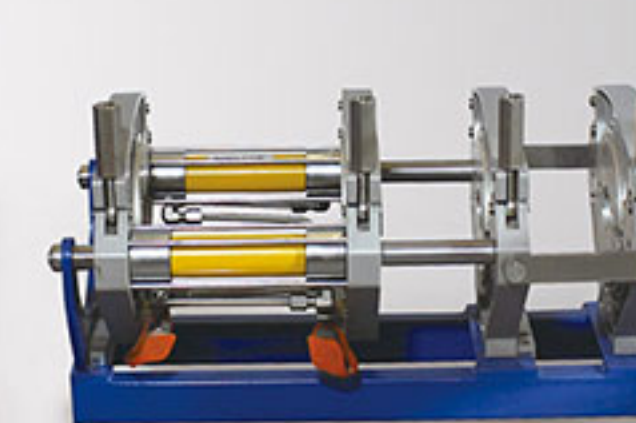
Model	RDH1400	RDH1600	RDH1800	RDH2000	RDH2600
Welding ranges (mm)	900.1000.1100.1200.1400.	1200.1400.1600	1200.1400.1600.1800	1600.1800.2000	1800.2000.2400.2600
Heating Plate Max. Temp.	270°C	270°C	270°C	270°C	270°C
Temp. Deviation in surface	<±10°C	<±10°C	<±10°C	<±10°C	<±10°C
Working voltage	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Heating Plate Power	32KW	35KW	52KW	70KW	110KW
Planing Tool Power	4 KW	5.5KW	5.5KW	7.5KW	7.5KW
Hydraulic unit Power	3 KW	5.5 KW	5.5 KW	5.5KW	7.5×2+3KW
Total Power	39 KW	46 KW	63KW	83 KW	135.5KW

Application & Features:

1. Mechanical and electrical equipment conforms to IEC60204-1:1997.
2. Welding pressure & welding time can be automatically calculated after setting pipe size, SDR, welding type and standard, Chinese or English menu is optional.
3. Liquid-crystal display shows setting and actual pressure value, temperature value, time value in different welding process. There is character prompt for welding process and data printing, Chinese or English is optional.
4. Flashing indicator light prompts phase of welding.
5. In order to follow easily, the welding data of the pipe joint can be saved to the host computer through the U disk, and an unchangeable file can be created as a file in the host computer. The data of the file can also be converted to EXCEL, which is convenient for viewing, searching and printing.
6. Only the welding process with all the measured welding parameters is approved, and a complete list can be printed. Any measured welding parameter error shows the welding failure, lists the reason for the failure, and prints an incomplete list.
7. Data logger uses Schneider touch screen, which is more reliable.
8. Data logger machine groups: RDH+JL Series, RDH-Smart +JL Series, RDH-Polo+JL Series, RGH+JL series.



Data Logger



JL series Data Logger

Technical Specification:

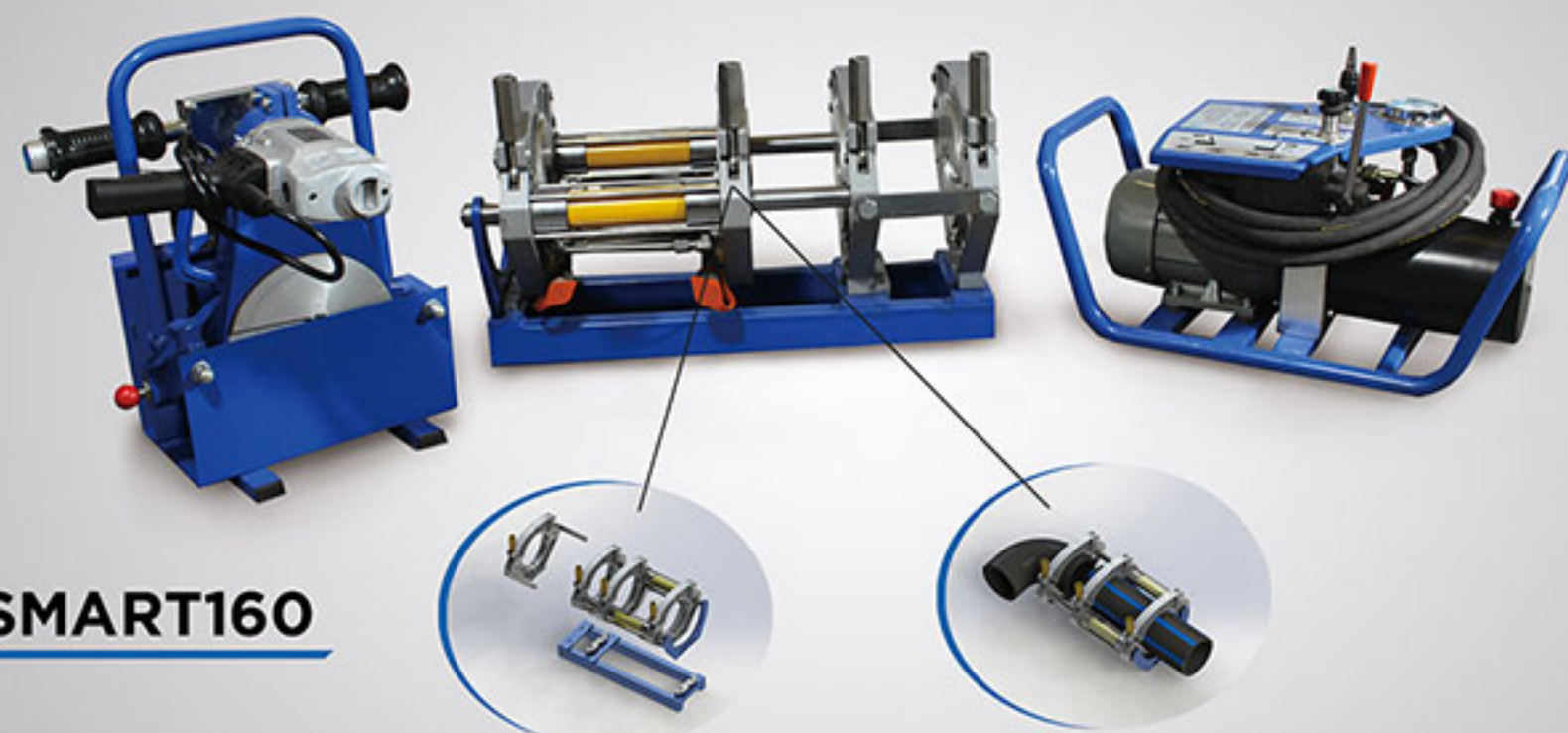
Input Voltage	100-240VAC
Input Frequency	50Hz/60Hz
Power	24W
Stored Records	10000 Welding Points
User's Interface	USB port
Protection grade	IP54
Weight	7KGS

RDH-Smart Series Hydraulic Butt Fusion Machine | RDH-SMART160/200/250/315

Application & Features:

1. Hydraulic operated butt welding machine is suitable for butt fusion welding of plastic pipes and fittings made of PE, PP, and PVDF in construction site or workshop.
2. Consists of basic frame, heating plate, planing tool, support (for planing tool & heating plate) and hydraulic unit.
3. Clamps and base can be detachable, three clamps can be used to clamp pipes or fittings for welding. Compact dimensions make the machines highly suited for working in road construction, ditches, aqueducts, gas ducts, sewers and irrigation systems.
4. Removable PTFE coated heating plate with separate temperature control system.
5. Electric milling cutter with double cutting edge blades.
6. Support for heating plate and planing tool.
7. Smart hydraulic unit is easy to be lift manually, it completes with pressure regulation, by pass, accumulator and flexible hoses. Light and smart design can be more convenient for welding.
8. High-accurate and shockproof pressure meter indicates clearer reading.

RDH-SMART160



Optional Parts



Data Logger



Single Clamp



Stub end device for short flange



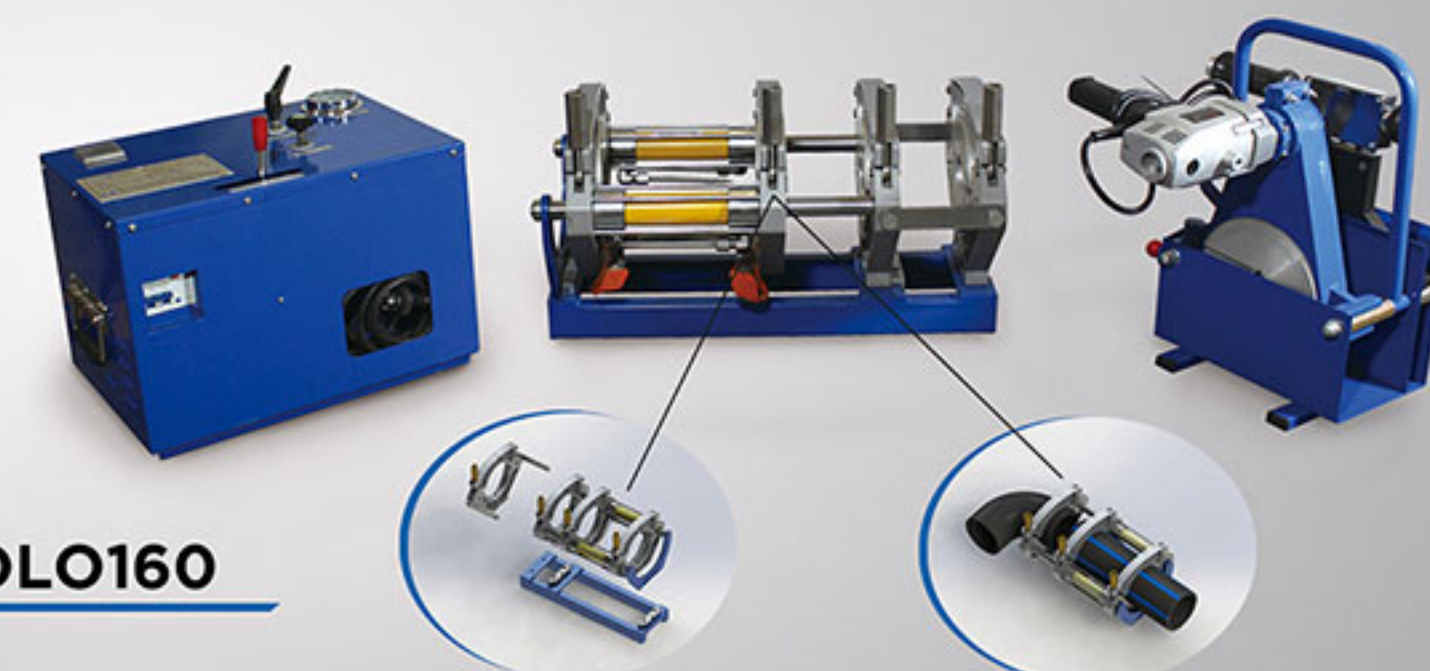
Trolley

Technical Specification:

Model	RDH-SMART160	RDH-SMART200	RDH-SMART250	RDH-SMART315
Welding ranges (mm)	63.75.90.110.125.140.160	63.75.90.110.125.140.160.180.200	110.125.140.160.180.200.225.250	160.180.200.225.250.280.315
Heating Plate Max. Temp.	270°C	270°C	270°C	270°C
Temp. Deviation in surface	<±5°C	<±5°C	<±5°C	<±5°C
Working voltage	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz
Heating Plate Power	1.0 KW	1.8 KW	2.1 KW	3.1 KW
Planing Tool Power	0.85 KW	0.85 KW	0.8 KW	0.8 KW
Hydraulic unit Power	0.75 KW	0.75 KW	0.75 KW	0.75 KW
Total Power	2.6KW	3.4KW	3.65 KW	4.65 KW
Net Weight	80 KGS	90 KGS	121 KGS	165 KGS

RDH-POLO160/200/250/315 | RDH-Polo Series Hydraulic Butt Fusion Machine

RDH-POLO160



Optional Parts



Data Logger



Single Clamp



Stub end device for short flange



Trolley

Application & Features:

1. Hydraulic operated butt welding machine is suitable for butt fusion welding of plastic pipes and fittings made of PE, PP, and PVDF in construction site or workshop.
2. Consists of basic frame, heating plate, planing tool, support (for planing tool & heating plate) and hydraulic unit.
3. Clamps and base can be detachable, three clamps can be used to clamp pipes or fittings for welding. Compact dimensions make the machines highly suited for working in road construction, ditches, aqueducts, gas ducts, sewers and irrigation systems.
4. Removable PTFE coated heating plate with separate temperature control system. Delicate design of electrical control system with higher stability and reliability.
5. Electric milling cutter with double cutting edge blades.
6. Support for heating plate and planing tool.
7. Sealed hydraulic unit with dustproof and waterproof function.
8. High-accurate and shockproof pressure meter indicates clearer reading.

Technical Specification:

Model	RDH-POLO160	RDH-POLO200	RDH-POLO250	RDH-POLO315
Welding ranges (mm)	63.75.90.110.125.140.160	63.75.90.110.125.140.160.180.200	110.125.140.160.180.200.225.250	160.180.200.225.250.280.315
Heating Plate Max. Temp.	270°C	270°C	270°C	270°C
Temp. Deviation in surface	<±5°C	<±5°C	<±5°C	<±5°C
Pressure adjustable range	0-7Mpa	0-7Mpa	0-7Mpa	0-7Mpa
Working voltage	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz
Heating Plate Power	1.0 KW	1.8 KW	2.1 KW	3.1 KW
Planing Tool Power	0.85 KW	0.85 KW	0.8 KW	0.8 KW
Hydraulic unit Power	0.75 KW	0.75 KW	0.75 KW	0.75 KW
Total Power	2.6KW	3.4KW	3.65 KW	4.65 KW
Net Weight	92 KGS	102KGS	133 KGS	177KGS

RGH Series Multi-angle Fitting Welding Machine | RGH90 RGH315



RGH90

RGH315



Optional Parts



Elbow Clamps



Tee & Cross Clamps



Clamps for welding flange stub



Clamps for special short spigot fitting



Y Clamps

Application & Features:

1. Suitable for fabricating elbow, tee, cross and Y shape (45° and 60°) fittings of PE, PP, PVDF in workshop. Also used to lengthen the injection moulded fitting, make integrated fitting and weld straight pipe and fitting and so on.
2. Integrated structure. Nothing remains but to choose the different special clamps while fabricating different fittings.
3. Removable PTFE coated heating plate.
4. Milling plate movement adopts safety switch control to avoid unexpected start.
5. Low Starting pressure and high reliable seal structure.
6. Separate two-channel timer shows time in soaking and cooling phases. When timing is over, it alarms and convenient for users.
7. Reliable performance, easy control.

Technical Specification:

Model	RGH90	RGH315
Welding range (mm)	20.25.32.40.50.63.75.90	90.110.125.140.160.180.200.225.250.280.315
Welding Type	0~90°Elbow, Tee, Cross, 45°and 60 °Y shape (optional parts should be used)	
Heating Plate Max. Temp	270°C	270°C
Temp. Deviation in surface	<±5°C	<±7°C
Working voltage	220V 50Hz	380V 50Hz
Ambient Temperature	-10°C ~ 45°C	-10°C ~ 45°C
Heating Plate Power	1.5KW	5.25 KW
Planing Tool Power	0.7KW	1.5 KW
Hydraulic unit Power	/	0.75 KW
Total Power	2.2KW	7.5 KW
Gross Weight	70KGS	1000KGS

RGH-A450 / 630 / 800 | RGH-A Series Full-Automatic Fitting Welding Machine

Application & Features:

1. Suitable for fabricating elbow, tee, cross and Y shape (45° and 60°) fittings of PE, PP, PVDF in workshop. Also used to lengthen the injection moulded fitting, make integrated fitting and weld straight pipe and fitting and so on.
2. Integrated structure. Nothing remains but to choose the different special clamps while fabricating different fittings.
3. Teflon-coated heating plate move forward and back hydraulically on spherical bearings guides.
4. Trimmer move forward and back hydraulically on spherical bearings guides.
5. Control panel accompanies with CNC system to eliminate any risk of error due to the operator.
6. Full-Automatic welding procedures with PLC and Touch screen.
7. Welding statistics recording and printing function.
8. Pre-installed welding standard such as ISO, DVS and multilingual languages.
9. Reliable performance easy to operate.



Elbow



Y (45°&60°)



Tee

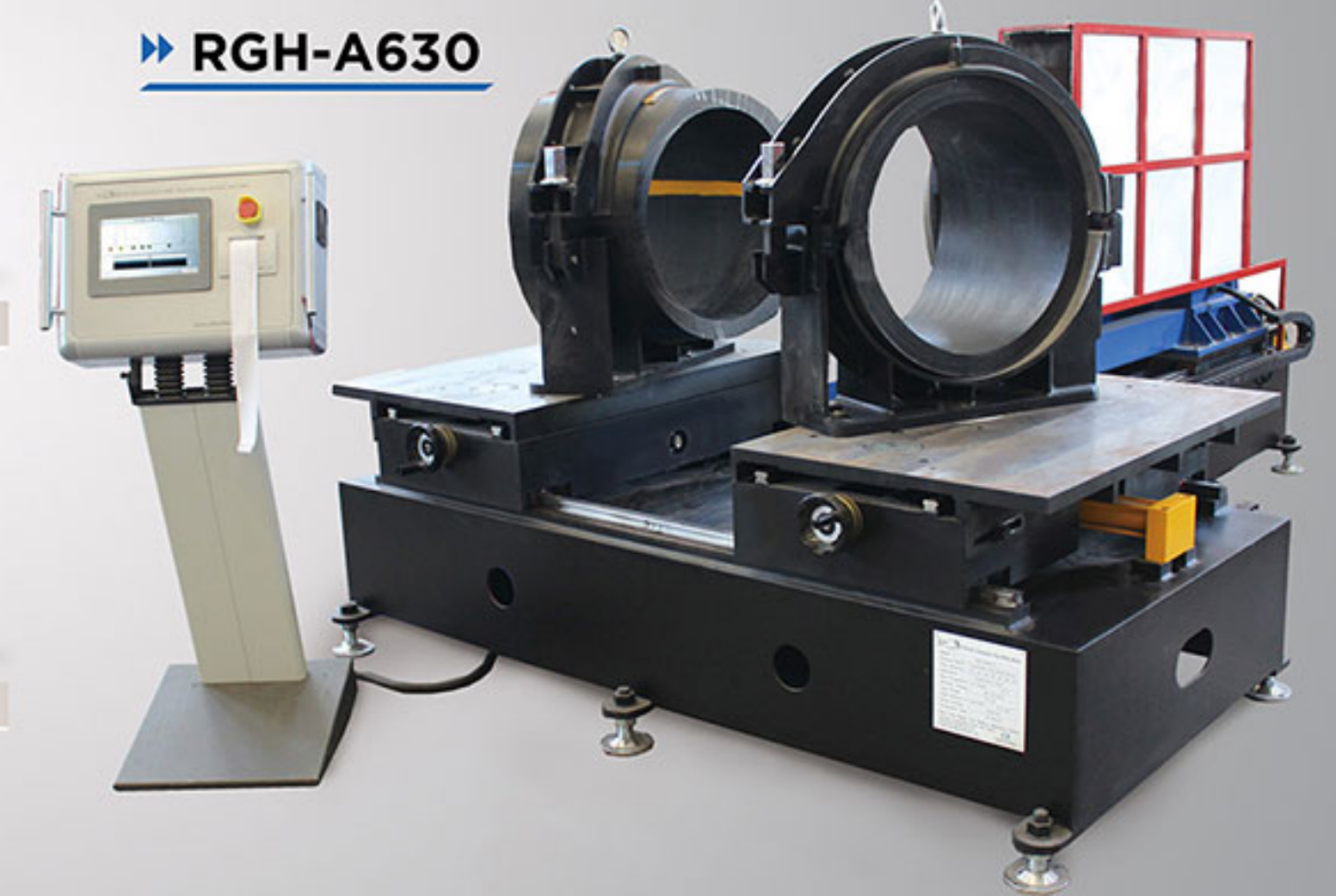


Y (45°&60°)



Cross

RGH-A630



Optional Parts



Clamps for special short spigot fitting



Elbow-Tee-Cross-Y Clamps



Clamps for welding flange stub

Technical Specification:

Model	RGH-A450	RGH-A630	RGH-A800
Welding range (mm)	200.225.250.280.315.355.400.450	315.355.400.450.500.560.630	400.450.500.560.630.710.800
Welding Type	0~90°Elbow, Tee, Cross, 45°and 60 °Y shape (optional parts should be used)		
Heating Plate Max. Temp	270°C	270°C	270°C
Temp. Deviation in surface	<±7°C	<±7°C	<±10°C
Working voltage	380V 50Hz	380V 50Hz	380V 50Hz
Ambient Temperature	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C
Heating Plate Power	12 KW	22 KW	40 KW
Planing Tool Power	2.2 KW	3 KW	3KW
Hydraulic unit Power	3 KW	4 KW	4 KW
Total Power	17.2 KW	29 KW	47 KW
Weight	2496KGS	4470 KGS	7360 KGS

Application & Features:

1. Suitable for fabricating elbow, tee, cross and Y shape (45° and 60°) fittings of PE, PP, PVDF in workshop. Also used to lengthen the injection moulded fitting, make integrated fitting and weld straight pipe and fitting and so on.
2. Integrated structure. Nothing remains but to choose the different special clamps while fabricating different fittings.
3. Teflon-coated heating plate move forward and back hydraulically on spherical bearings guides.
4. Trimmer move forward and back hydraulically on spherical bearings guides.
5. Control panel accompanes with CNC system to eliminate any risk of error due to the operator.
6. Full-Automatic welding procedures with PLC and Touch screen.
7. Welding statistics recording and printing function.
8. Pre-installed welding standard such as ISO, DVS and multilingual languages.
9. Reliable performance, easy to operate.



▶ RGH-A2600



Eibow-Tee-Cross-Y Clamps



Clamps for speical short spigot fitting



Clamps for welding flange stub

Optional Parts

▶ RGH-A1200



Eibow



Tee



Cross



Y (45°&60°)



y (45°&60°)

Technical Specification:

Model	RGH-A1000	RGH-A1200	RGH-A1600	RGH-A2000	RGH-A2600
Welding range (mm)	630.710.800. 900.1000	630.710.800.900. 1000.1100.1200	1200.1400.1600	1400.1600.1800. 2000	1800.2000.2200. 2400.2600
Welding Type	0~90°Elbow, Tee, Cross, 45°and 60 °Y shape (optional parts should be used)				
Heating Plate Max. Temp	270°C	270°C	270°C	270°C	270°C
Temp. Deviation in surface	<±10°C	<±10°C	<±10°C	<±10°C	<±10°C
Working voltage	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Ambient Temperature	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C
Heating Plate Power	60KW	61.4KW	104KW	153.7KW	198KW
Planing Tool Power	4 KW	5.5KW	7.5KW	3.7+5.5KW	/
Hydraulic unit Power	5.5KW	7.5KW	7.5+4 KW	15 KW	15 KW
Total Power	69.5 KW	74.4KW	123KW	172.4KW	213KW

► **DQJ630**



Technical Specification:

Model	DQJ630	DQJ800	DQJ1200	DQJ1600	DQJ2600
Maximum range	≤630mm	≤800mm	≤1200mm	≤1600mm	≤2600mm
Max. line speed	200m/min	200m/min	200m/min	200m/min	200m/min
Feed Speed	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
Working voltage	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Drive motor	0.75KW	0.75KW	1.5KW	1.5KW	1.5KW
Cutting motor	2.2 KW	3 KW	3.7KW	3.7KW	5.5KW
Total Power	2.95 KW	3.75KW	5.2 KW	5.2 KW	7 KW
Weight	1480 KGS	2188 KGS	4657KGS	6800 KGS	8627KGS

Application & Features:

1. Suitable for cutting pipes according to specified angle and dimension while making an elbow, tee or cross, which lower the material waste and improve the welding efficiency.
2. Cutting angle 0~67.5°, accurate angle location.
3. Applied to solid pipes or structured wall pipes made of thermoplastic such as PE, PP and PVDF, and other pipe and fittings made of non-metal materials.
4. A special designed integrity of body and swivel table makes them extremely stable.
5. Self inspection and stop of the machine in case of saw blade broken enables to guarantee operator's safety.
6. Strong construction, stable performance, lower noise and easy operation.
7. Infrared protection device(optional).
8. Automatic angle rotation function (Optional).

► **DQJ630**



► **DQJ2600**



MRH315



Technical Specification:

Model	MRH 315	MRH630	MRH1200	MRH1800	MRH2000
Working range	Reducing tee	Reducing tee	Reducing tee	Reducing tee	Reducing tee
Max. Temp heating plate	270°C	270°C	270°C	270°C	270°C
System pressure ranges	0~7MPa	0~20MPa	0~20MPa	0~20MPa	0~20MPa
Working voltage	220V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Heating plate power	2 KW	6 KW	16 KW	25KW	32 KW
Hydraulic unit power	0.75 KW	2.2 KW	2.2 KW	3KW	5.5KW
Drill motor power	0.55KW	2.2 KW	3 KW	4KW	5.5KW
Total Power	3.3 KW	10.4KW	21.2KW	32KW	43KW

Type	MRH315							
Main pipe Branch pipe	110	125	160	180	200	225	250	315
50	✓	✓	✓	✓	✓	✓	✓	✓
63			✓	✓	✓	✓	✓	✓
75			✓	✓	✓	✓	✓	✓
90				✓	✓	✓	✓	✓
110						✓	✓	✓
125							✓	✓

Application & Features:

1. Suitable for fabricating PE reducing tee in a workshop. Integrated function of welding and tapping enables it can complete the whole fabricating process.
2. Removable PTFE coated heating plate.
3. Separate two-channel timer records times in soaking and cooling phases.
4. Digital high-accurate pressure meter indicates clearer readings.
5. Linear guide ways are equipment with main pipe clamps, branch pipe clamps, knife tool and heart mould.

Type	MRH630						
Main pipe Branch pipe	315	355	400	450	500	560	630
110	✓	✓	✓	✓	✓	✓	✓
160	✓	✓	✓	✓	✓	✓	✓
200			✓	✓	✓	✓	✓
225				✓	✓	✓	✓
250					✓	✓	✓
315							✓



Heat Mould



Knife tool



Inserts



Reducing Tee



Optional Parts

MRH1200

Technical Specification:

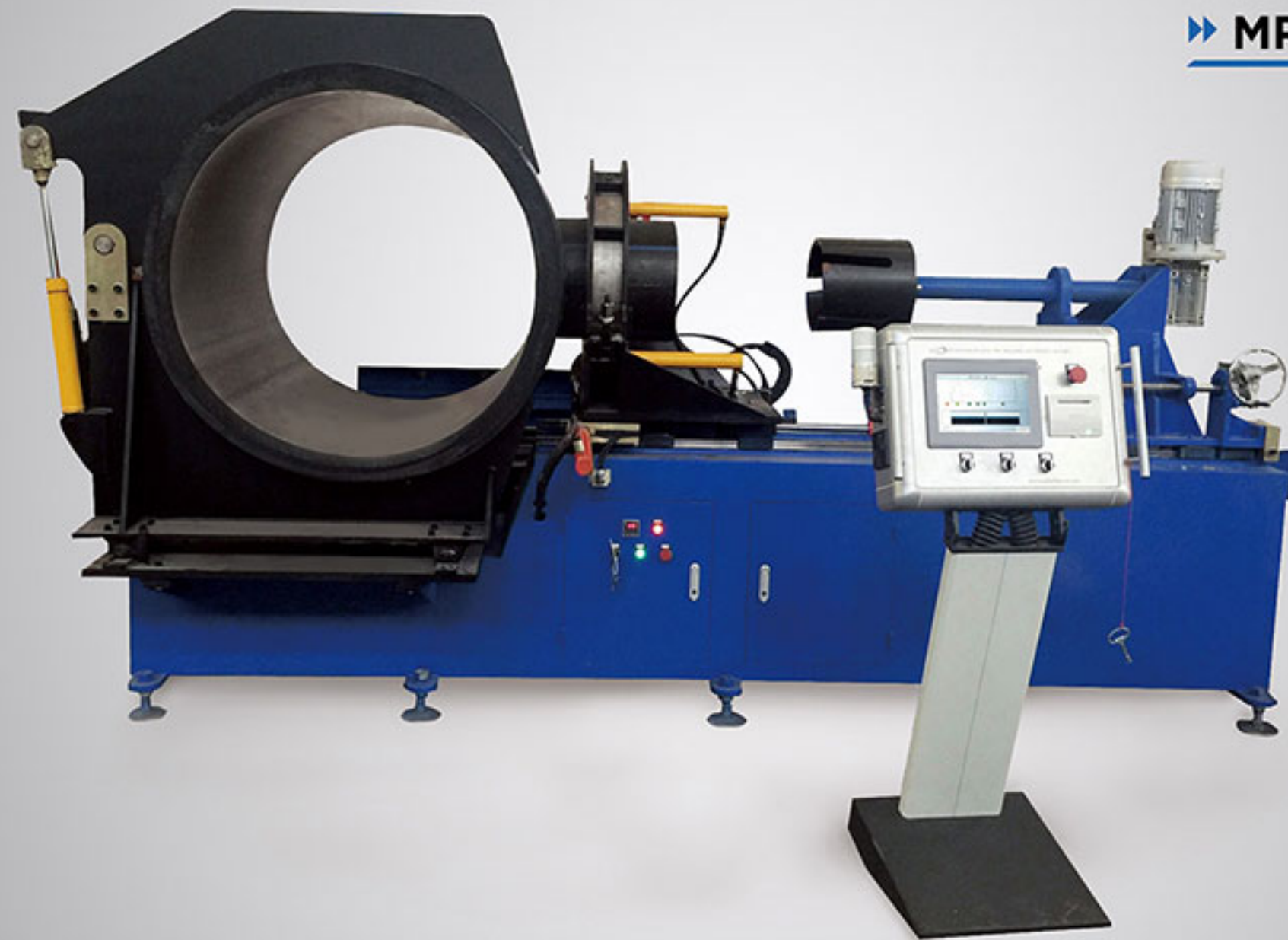
Type	MRH1200					
Main pipe Branch pipe	630	710	800	900	1000	1200
315	✓	✓	✓	✓	✓	✓
355		✓	✓	✓	✓	✓
400			✓	✓	✓	✓
450				✓	✓	✓
500					✓	✓
560						✓

Type	MRH2000				
Main pipe Branch pipe	1200	1400	1600	1800	2000
630	✓	✓	✓	✓	✓
710			✓	✓	✓
800			✓	✓	✓
900				✓	✓
1000					✓

Application & Features:

1. Suitable for fabricating PE reducing tee in a workshop. Integrated function of welding and taping enables it can complete the whole fabricating process.
2. Removable PTFE coated heating mould.
3. Control panel accompanes with CNC system to eliminate any risk of error due to the operator.
4. Full-Automatic welding procedures with PLC and Touch screen.
5. Welding statistics recording and printing function.
6. Linear guide ways are equipment with heating plate and dragging plate.

► MRH-A1200



Technical Specification:

Model	MRH-A630	MRH-A1200	MRH-A1800	MRH-A2000
Working range	Reducing tee	Reducing tee	Reducing tee	Reducing tee
Max. Temp heating plate	270°C	270°C	270°C	270°C
System pressure ranges	0~7MPa	0~16MPa	0~18MPa	0~18MPa
Working voltage	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Heating plate power	6 KW	16 KW	25KW	32 KW
Hydraulic unit power	1.5KW	2.2 KW	3KW	5.5KW
Drill motor power	2.2 KW	3 KW	4KW	5.5KW
Power	9.7KW	21.2KW	32KW	43KW

► MQJ630



Application & Features:

1. Suitable for making arched pipe end according to the main pipe surface while fabricating a PE reducing tee in the workshop.
2. Excellent cutting enable arc can be welding directly without any further processing.
3. Cutting shape precision.
4. Excellent structure to manipulate simply.
5. MRH series or MRH-A series match with MQJ series is one complete group for reducing tee fabrication.

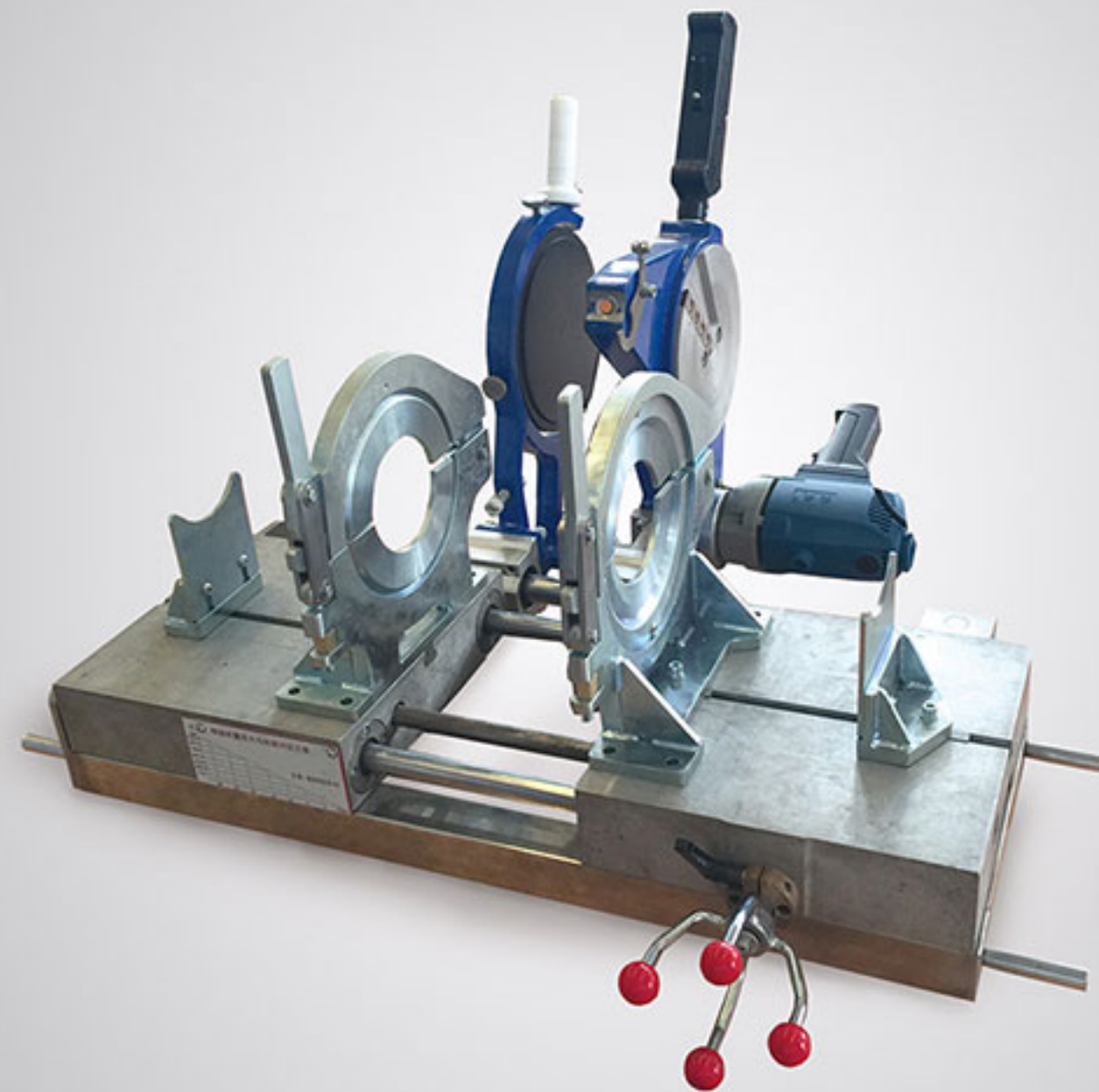
Technical Specification:

Model	MQJ315	MQJ630	MQJ1000
Cutting ranges	≤315mm	≤630mm	≤1000mm
Max. Cutting arc	R315	R630	R1000
Line speed	0~200 m/min	0~200 m/min	0~200 m/min
Line speed	Manual	Manual	Manual
Working voltage	380V 50Hz	380V 50Hz	380V 50Hz
Total power	1.5 KW	2.2 KW	3KW
Total weight	814 KGS	1418 KGS	2000KGS

RDT Series Drainage Welding Machine | RDT160 RDT315

Application & Features:

1. Suitable for PE, PP, PVDF plastic pipe with fitting, pipe with pipe welding, as well as drainage pipe installation in household.
2. Machines light, supplied with a metal frame designed for easy operations and transport, are supplied with adjustable temperature heating plate with removable PTFE coating.
3. Electrical planing tool with safety limit switch enables it to be started only when it is locked in operation position.
4. Mechanical lock to maintain welding pressure.
5. Table Structure, Spring manometer provides correct welding pressure.
6. Pivoting planing tool brings convenience for placing and removing.



► RDT160

Technical Specification:

Model	RDT160	RDT315
Welding ranges (mm)	50.63.75.90.110.125.140.160	160.180.200.225. 250.280.315
Application	Pipe with pipe of fittings; fitting with fittings	
Heating Plate Max. Temp.	270°C	270°C
Temp. Deviation in surface	<±5°C	<±5°C
Working voltage	220V 50HZ	220V 50HZ
Heating Plate Power	1KW	3.1KW
Planing Tool Power	0.85KW	1.36KW
Total Power	1.85KW	4.46KW
Weight	50 KGS	90 KGS

EF 200 EF315 EF500 EF800 | EF Series Electrofusion Machine

► EF315



Application & Features:

1. High brightness liquid crystal display, Chinese or English language optional.
2. Wide power supplier and voltage input, suitable for on-the-spot electric network level.
3. Automatic temperature compensation, and not influenced by ambient temperature while welding.
4. High precision control to ensure welding quality.
5. With 6 phases programmable welding functions, suitable for various welding requirement.
6. Menu display, easy operation.
7. Manual input or choose optional scanner to scan bar code as input way.

Technical Specification:

Model	EF200	EF315	EF500	EF800
Input voltage	AC 220±20%V	AC 220±20%V	AC 380±20%V	AC 380±20%V
Input frequency	50HZ	50HZ	50HZ	50HZ
Output voltage	DC 0-55V random regulation	DC 0-75V random regulation	DC 0-170V random regulation	DC 0-210V random regulation
Output Current	45A	55A	80A	80A
Output power	2.2KW	3.5KW	12KW	15KW
Ambient Temperature	-15°C~45°C	-15°C~45°C	-15°C~45°C	-15°C~45°C
Control mode	Constant Voltage/ Constant Current			
Store Data Number	500 Times	500 Times	500 Times	500 Times
Constant Accuracy	≤±0.5%	≤±0.5%	≤±0.5%	≤±0.5%
Duty Cycle	60%	60%	60%	60%
Data output port	USB Port & Scanner	USB Port & Scanner	USB Port & Scanner	USB Port & Scanner
Weight	10KGS	12KGS	36KGS	36KGS
Packing Size	460×300×430mm	460×300×430mm	480×350×460mm	480×350×460mm



Application & Features:

1. Suitable for butt welding of plastic pipes and fittings made of PE, PP and PVDF material.
2. Consists of basic frame, hydraulic unit with touch screen and CNC control system, planing tool, heating plate, basket & optional parts.
3. RDH-A series uses hand-held heating plate structure, RDH-AR uses hydraulic heating plate system, Fast change-up time.
4. Automatic Welding: the equipment automatically measures the dynamic and static drag pressure, automatically check the pipes clamped tightly or not, automatically compensate pressure, and automatically control temperature and welding time according to the process requirements.
5. Statistics printing, recording function and USB port available.
6. Pre-installed welding standard such as TSG, ISO, DVS etc and multilingual languages.
7. Data can be attached to the longitude and latitude coordinates of the pipe joints (optional), and GPS is required.
8. The equipment has the function of establishing welder's library for the welder who has been carefully trained, strictly examined and qualified, and has strengthened the management of the personnel, equipment and construction quality.
9. The equipment increases internet CLOUD system and mobile terminal functions. The management company can constantly check the position of the welding machine, the progress of the project, the data of each weld etc important information through the computer and the mobile phone. It is convenient to manage and save the human resources.

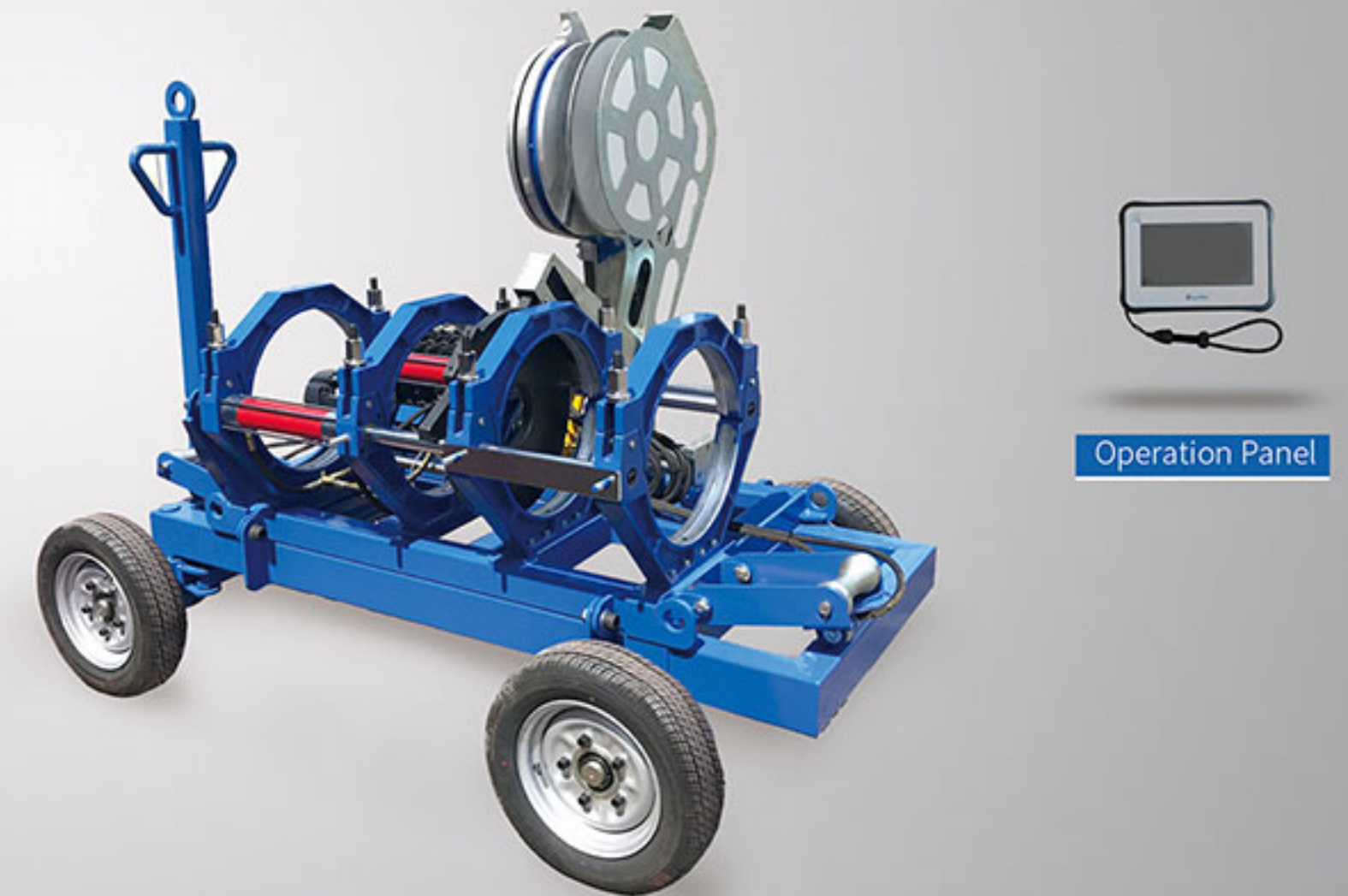
Technical Specification:

Model	RDH-A/AR160	RDH-A/AR200	RDH-A/AR250	RDH-A/AR315	RDH-A/AR355
Welding ranges (mm)	63.75.90.110.125.140.160.	63.75.90.110.125.140.160.180.200	110.125.140.160.180.200.225.250	160.180.200.225.250.280.315	160.180.200.225.250.280.315.355
Heating Plate Max. Temp.	270°C	270°C	270°C	270°C	270°C
Temp. Deviation in surface	<±5°C	<±5°C	<±5°C	<±5°C	<±5°C
Pressure adjustable ranges	0-10Mpa	0-10Mpa	0-10Mpa	0-10Mpa	0-10Mpa
Working voltage	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz
Heating Plate Power	1.0 KW	1.8 KW	2.1 KW	3.1 KW	3.5 KW
Planing Tool Power	0.85 KW	0.85 KW	0.8 KW	0.8 KW	1.36 KW
Hydraulic unit Power	0.75 KW	0.75 KW	0.75 KW	0.75 KW	0.75 KW
Total Power	2.6KW	3.4 KW	3.65 KW	4.65 KW	5.61 KW

Application & Features:

1. Suitable for butt welding of plastic pipes and fittings made of PE, PP and PVDF material.
2. Consists of basic frame, hydraulic unit with touch screen and CNC control system, planing tool, heating plate, basket & optional parts.
3. RDH-A series uses hand-held heating plate structure, RDH-AR uses hydraulic heating plate system, Fast change-up time.
4. Automatic Welding: the equipment automatically measures the dynamic and static drag pressure, automatically check the pipes clamped tightly or not, automatically compensate pressure, and automatically control temperature and welding time according to the process requirements.
5. Statistics printing, recording function and USB port available.
6. Pre-installed welding standard such as TSG, ISO, DVS etc and multilingual languages.
7. Data can be attached to the longitude and latitude coordinates of the pipe joints (optional), and GPS is required.
8. The equipment has the function of establishing welder's library for the welder who has been carefully trained, strictly examined and qualified, and has strengthened the management of the personnel, equipment and construction quality.
9. The equipment increases internet CLOUD system and mobile terminal functions. The management company can constantly check the position of the welding machine, the progress of the project, the data of each weld etc important information through the computer and the mobile phone. It is convenient to manage and save the human resources.

RDH-AR450



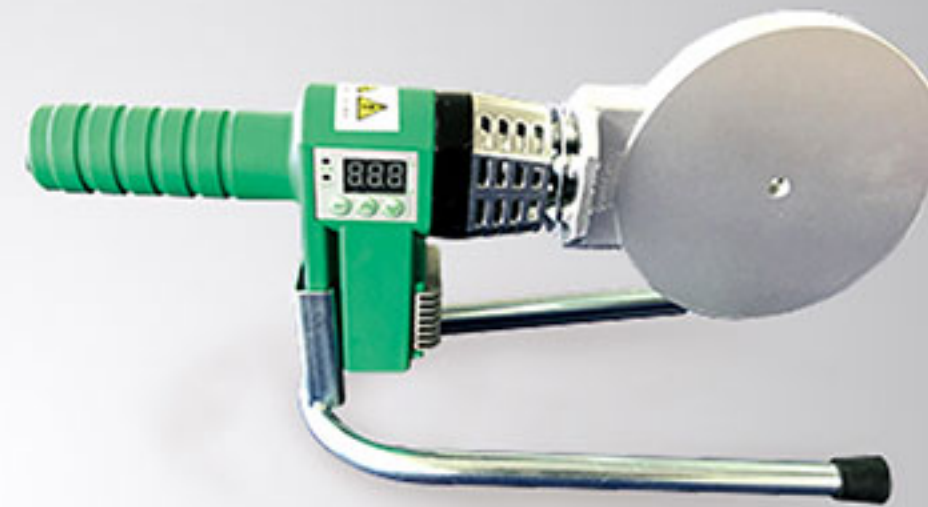
Technical Specification:

Model	RDH-AR450	RDH-AR630	RDH-AR800	RDH-AR1000	RDH-AR1200
Welding ranges (mm)	250.315.355.400.450	315.355.500.560.630	500.560.630.710.800	630.710.800.900.1000	630.710.800.900.1000.1200
Heating Plate Max. Temp.	270°C	270°C	270°C	270°C	270°C
Temp. Deviation in surface	<±7°C	<±7°C	<±10°C	<±10°C	<±10°C
Pressure adjustable ranges	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Working voltage	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C
Heating Plate Power	5.2 KW	9.2 KW	12.5 KW	18KW	29.2KW
Planing Tool Power	1.5 KW	1.5 KW	3 KW	3 KW	3 KW
Hydraulic unit Power	2.2 KW	2.2 KW	3 KW	3 KW	3 KW
Total Power	8.9 KW	12.9 KW	18.5KW	24 KW	35.2KW

Application & Features:

1. It is widely used in socket welding PE, PP, PPR pipes or fittings which being used in construction site for water and gas supply.
2. Sockets coated PTEF.
3. Individual temperature control of heating plate, which has temperature display and adjustment fuction.
4. Simple structure, mini dimension and easy operation.
5. The structure design complies with DVS2208.

▶ RDS63



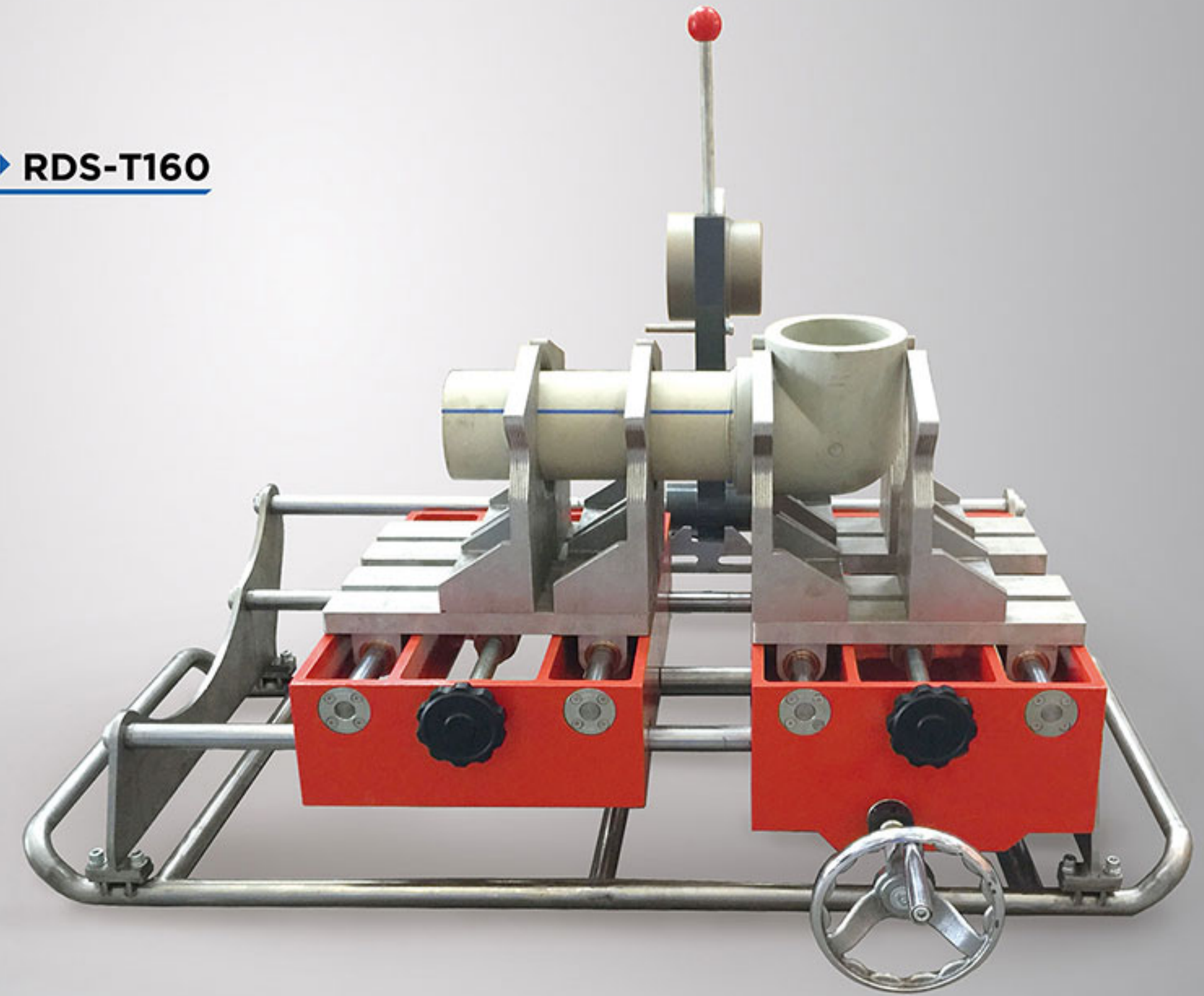
▶ RDS110



Technical Specification:

Model	RDS32	RDS63	RDS110	RDS160
Welding ranges (mm)	D20. D25.D32	D20. D25.D32.D40.D50.D63	D75. D90.D110	D160
Rated Voltage	220V	220V	220V	220V
Power	600W	800W	1200W	1600W
Working Temperature	200-270°C	200-270°C	200-270°C	200-270°C
Environement temperature	-15°C~45°C	-15°C~45°C	-15°C~45°C	-15°C~45°C
Weight	1.6KGS	4.6KGS	3.5KGS	14KGS
Dimension	395×200×90mm	395×200×90mm	460×265×90mm	700×200×120mm

▶ RDS-T160



Technical Specification:

Model	RDS-T160
Welding ranges (mm)	D63.D75. D90.D110.D160
Rated Voltage	220V
Power	1600W
Working Temperature	200-270°C
Environement temperature	-15°C~45°C
Weight	182KGS
Dimension	1210×955×730mm



► EW-30B

Application & Features:

1. Suitable for welding to the thermoplastic sheets and pipes like as Polyethylene (HDPE), Polypropylene (PP), PVDF and etc.
2. The machine is the type to use weld wire and available to weld to any direction.
3. Hot air preheating combine to extruding rods, structure reasonable, operate convenient, welding succession, high efficient, large power of extrusion, improved the welding speed, It's the ideal tool to weld various thermoplasticity plastics products.

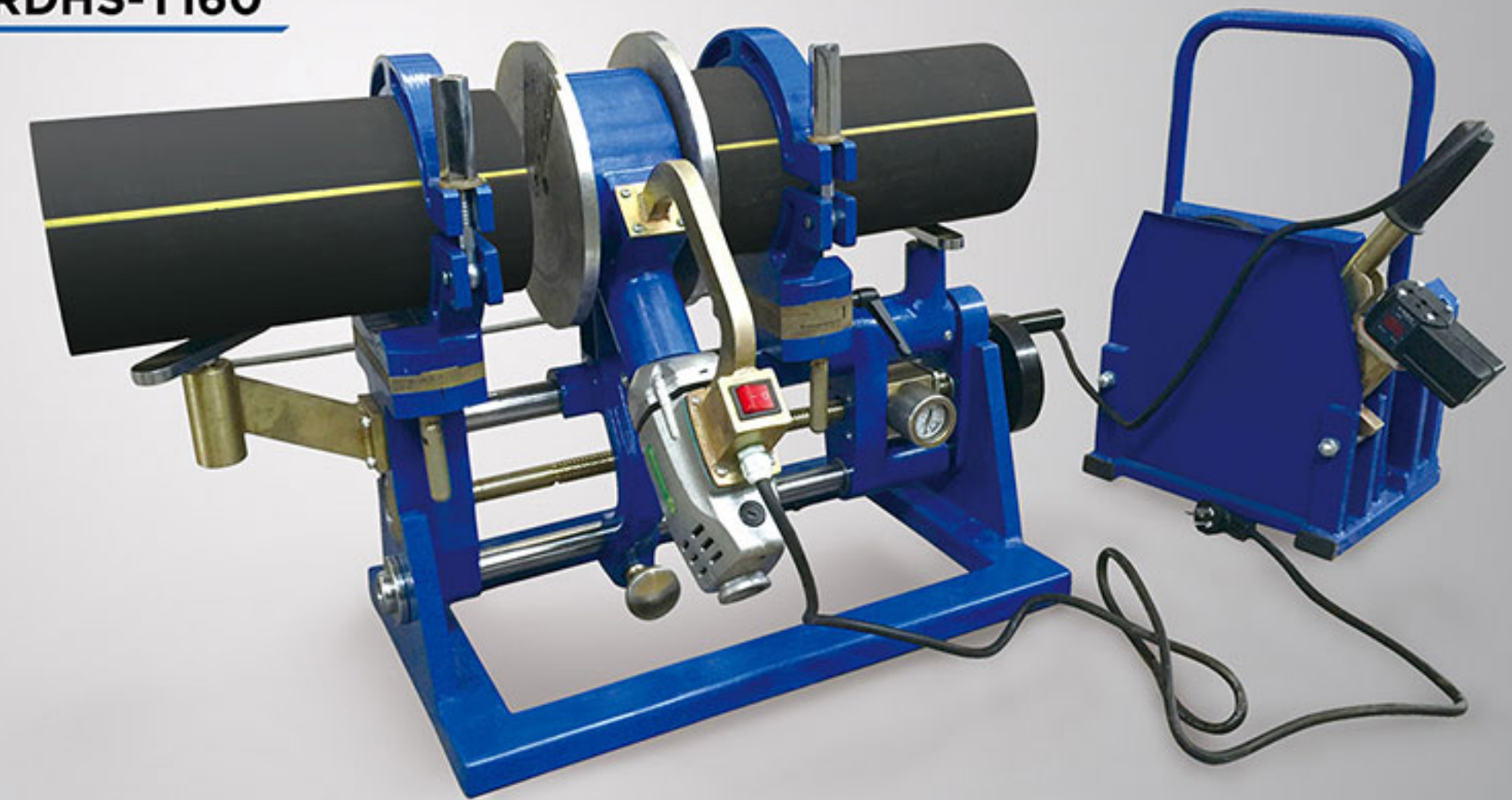
Technical Specification:

Model	EW-30A	EW-30B	EW-30C	EW-30D
Extruding Power	800W	800W	1100W	1100W
Hot Air Power	1600W	3400W	1600W	3400W
Voltage	220V, 50/60Hz	220V, 50/60Hz	220V, 50/60Hz	220V, 50/60Hz
Out Put	2kg/h	2kg/h	2.5kg/h	2.5kg/h
Welding Material	PE/PP	PE/PP	PE/PP	PE/PP
Welding Rod	3.0-3.5mm	3.0-3.5mm	3.0-4mm	3.0-4mm
Weight	6.5KGS	6.5KGS	7KGS	7KGS

Application & Features:

1. Suitable for butt fusion welding of plastic pipes and fittings made of PE, PP, and PVDF in construction site or workshop.
2. Consists of basic frame, heating plate, planing tool, and support (for planing tool & heating plate).
3. Removable PTFE coated heating plate with separate temperature control system.
4. Electric milling cutter with double cutting edge blades.
5. It is made of lightweight and high strength material; simple structure and easy to operate.
6. Mainly used for small angle elbow fitting fabrication.

► RDHS-T160



Technical Specification:

Model	RDHS-T160
Welding ranges (mm)	50.63.75.90.110.125.140.160mm
Environment temperature	-5~45°C
Heating Plate Max. Temp.	< 270°C
Temp. Deviation in surface	± 7°C
Working voltage	220V±10%, 50 Hz
Heating Plate Power	1 kW
Planing Tool Power	0.7 kW
Total Power	1.7 kW

RGH-ELBOW Series Pre-insulated Pipe Welding Machine

Application & Features:

1. This equipment is used for 90-2000mm thin-wall/pre-insulated pipe welding, there are types : RGH-Elbow315/90, RGH-Elbow450/250, RGH-Elbow630/400, RGH-Elbow800/500, RGH-Elbow1000/630, RGH-Elbow1200/630, RGH-Elbow1600/1000, RGH-Elbow2000.
2. It mainly used for bend fitting fabrication.
3. PTFE coated heating plate, high accuracy temperature controller.
4. It uses hydraulic system control, convenient operation and high safety.
5. Optional all-in-one rectangle heating plate or half heating plates, trimmer in guide structure.

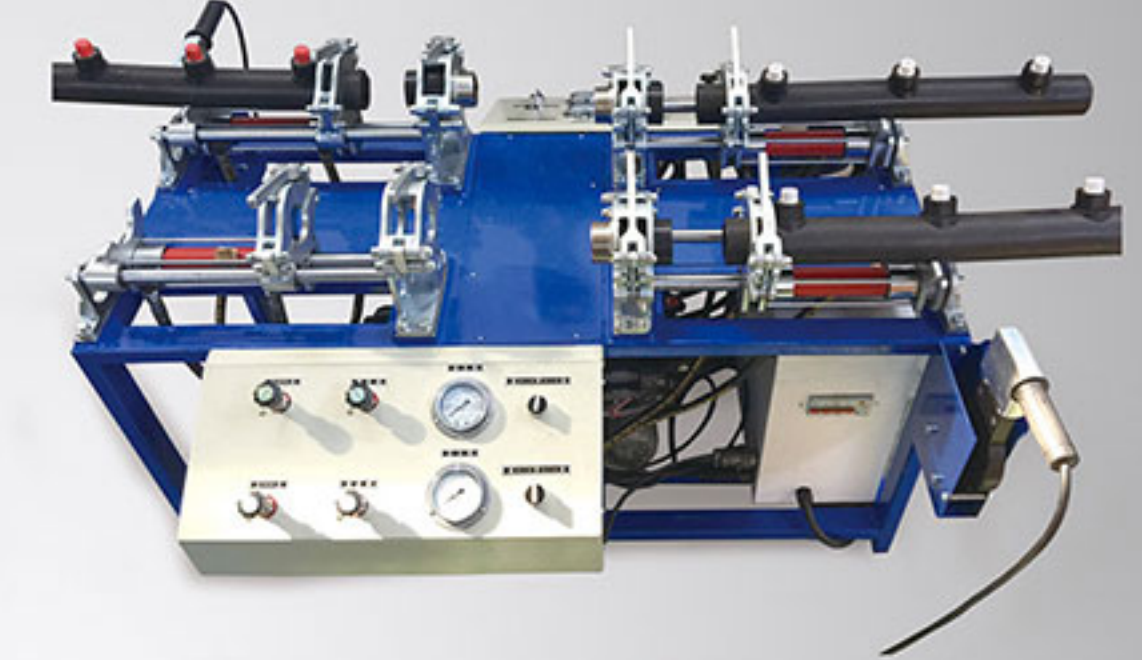


► RGH-ELBOW450

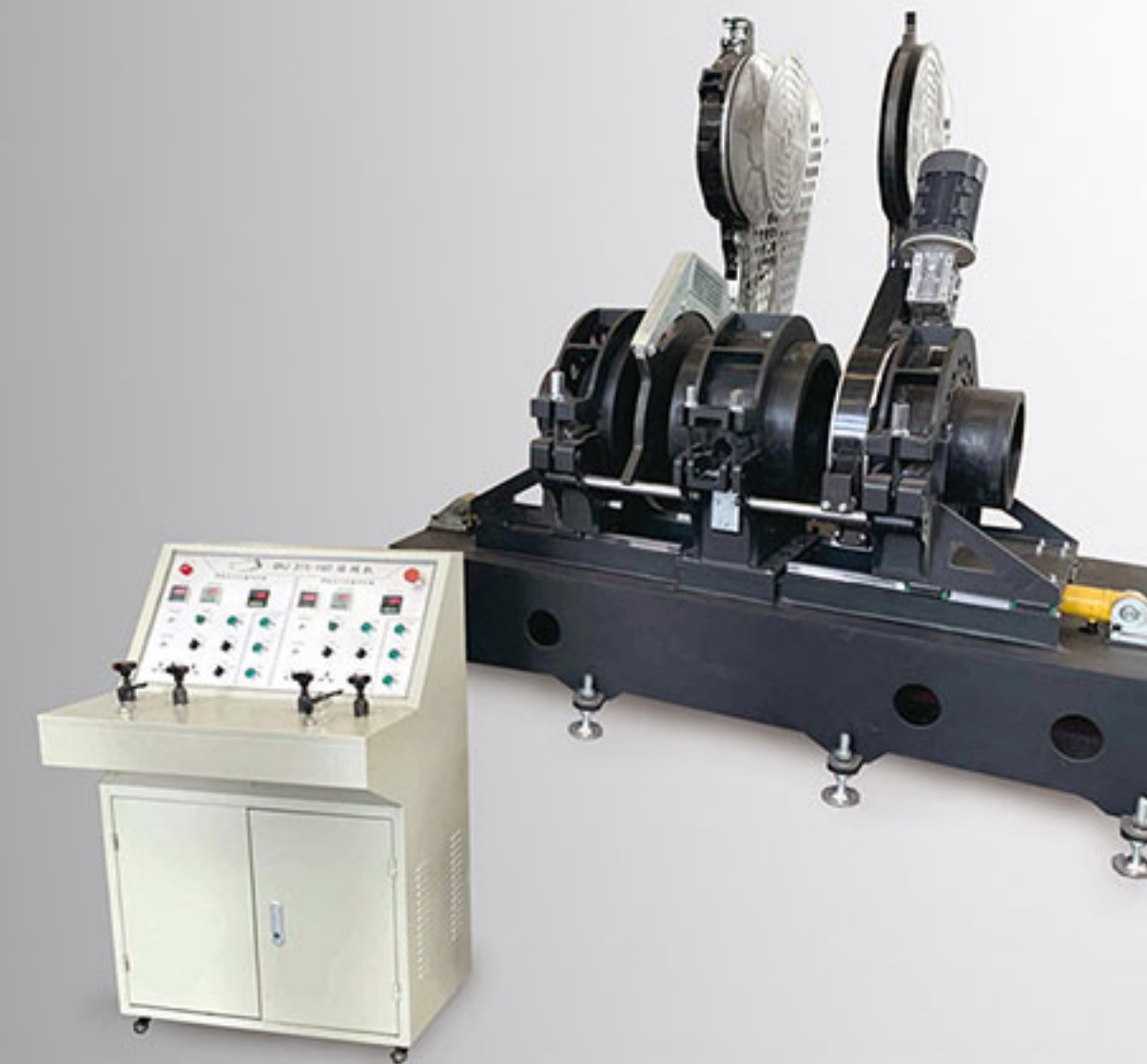
Custom-Made Equipment



► PE Plastic Marine Anti-skid
Pedal Welding Machine



► Special Welding Machine
For Water Divider



► Ball Valve Fitting Welding Machine



► Steel Wire Mesh Sealing Machine

Accessories



Inner Debeader



Pipe Cutter

⦿ RDC63/14 ⦿ RDC127/50 ⦿ RDC160/100



Squeeze Off Tool



Bead Remover



Support Roller

PLUMBING TOOLS



Support Roller

Engineering case

ENGINEERING CASE

