

PRODUCT CATALOGUE 2022

Dedicated to pipe tools





Company Introduction

Hangzhou Deruibao Piping Technology Co., Ltd. is specialized in manufacturing PE, PPR plastic pipe welding equipment and has a complete set of department of research, development and producing. After 15 years, we have developed the whole series of butt welding machine and electro fusion machines. The products are widely used in water supplying, draining, and pollution discharging pipe line or pipe welding. The sound price and high quality have own the wide recognition of the users and the society.



After 15 years of development, we have formed an excellent and experience team in techniques, administration, producing and marketing. Additionally we have established friendly cooperation with the domestic scientific research institution, the PE pipe users, and professional construction company, which keep us always in the top of products development, technique reforming and products updating.



Taking the Science and Technology as forerunner, expanding production scale, and enhancing the ability of R&D dependently and the customer service, we are dedicated to developing the field of high-performance butt welding machine. In the production promotion and marketing, we use the advanced sales model to expand the sale network and have already set branches all over the country with entire set of after-sale service. Now we have warehouse in Wuhai, Changchun, Zhengzhou, Linyi, Chengdu, Nanning, etc. We also expand our foreign market in Europe, the Middle East, and Southeast Asia, etc.

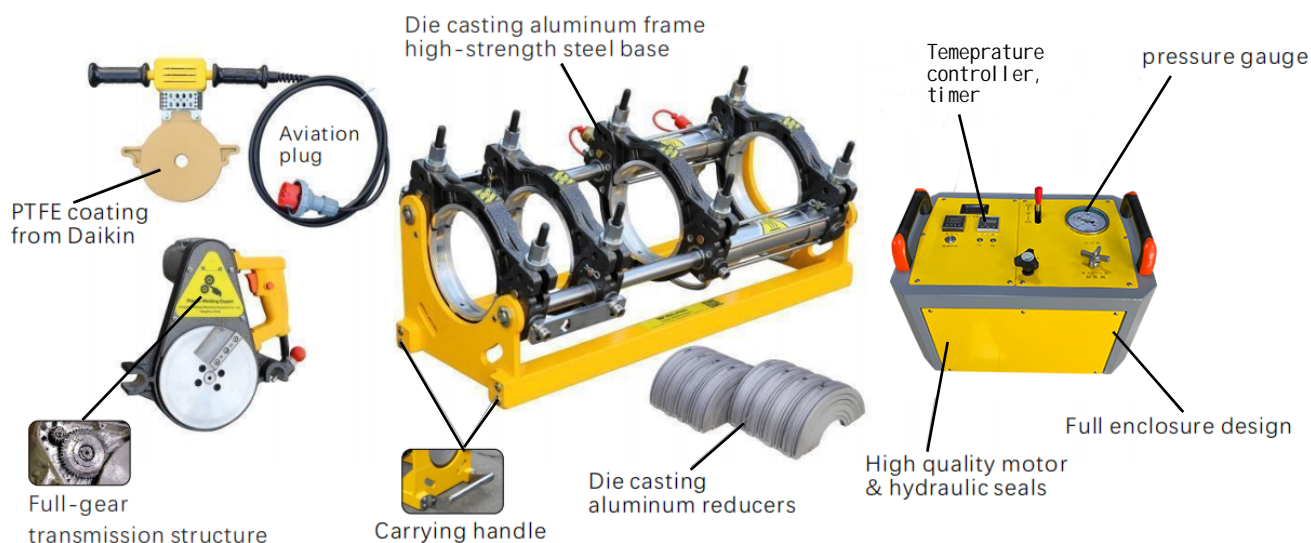


Plastic Butt Fusion Welding Machine

Hydraulic Butt Welding Machine

DOWELD butt welding machines, hydraulic or manual, semi-auto or full-auto, are designed to carry out butt fusion operations correctly and efficiently, for plastic pipes, material of PE, PP, PB, PVDF etc. Suitable for using in applications of municipal drainage, natural gas, sewage, chemical, agricultural irrigation and so on.

- Die casting aluminum frame, high-strength steel base with cylinder, provides stable heavy-duty performance.
- Planing tool (trimmer) with full-gear transmission structure. Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, enables swift temperature control.
- Hydraulic station of enclosure design shielding splash & dirt, integrated with power control units.



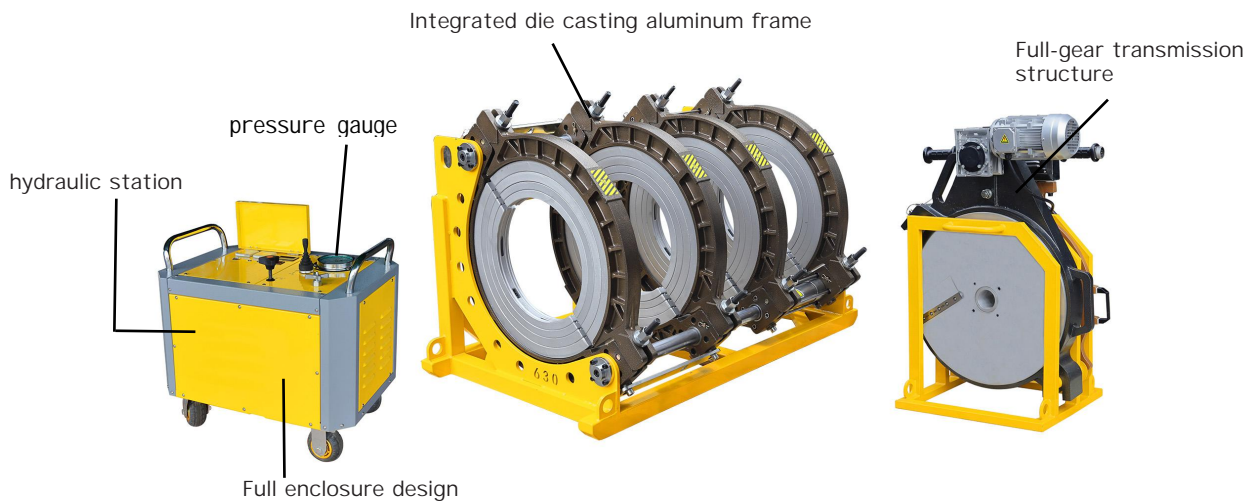
Model No.	DRBY160	DRBY200	DRBY250	DRBY315	DRBY355
Welding range (mm)	63-160	63-200	90-250	160-315	160-355
Standard inserts (mm)	63-75-90-110-125-140	63-75-90-110-125-140-160-180	90-110-125-140-160-180-200-225	160-180-200-225-250-280	160-180-200-225-250-280-315
Power supply	220V/50Hz,1PH 110V/60HZ,1PH (optional)				220V/50Hz,1PH 380V/50Hz,3PH
Total power	3.35 KW	3.55 KW	4.15 KW	4.95 KW	5.35 KW
Heating plate	1.5 KW	1.8 KW	2.3 KW	3.1 KW	3.5 KW
Planing tool	1.0KW	1.0 KW	1.1 KW	1.1 KW	1.1 KW
Hydraulic station	0.75KW	0.75KW	0.75 KW	0.75 KW	0.75 KW
Pressure adjusting range	0-6.3 MPa	0-6.3 MPa	0-6.3 MPa	0-16 MPa	0-16 MPa
Max Temperature of heating plate	270°C	270°C	270°C	270°C	270°C
Working temperature	170-250°C	170-250°C	170-250°C	170-250°C	170-250°C
Temperature deviation	±5°C	±5°C	±5°C	±5°C	±5°C
Total section of cylinders	15.32CM ²	15.32CM ²	11CM ²	20.02CM ²	20.02CM ²
Total weight	115kg	121kg	145kg	200kg	260kg
Package 1	84*46*61cm	84*50*64cm	83*57*54cm	94*67*54cm	103*61*70cm
Package 2	60*46*53cm	60*46*53cm	77*60*63cm	76*64*73cm	86*67*91cm

Plastic Butt Fusion Welding Machine

Hydraulic Butt Welding Machine

DOWLED butt welding machines, hydraulic or manual, semi-auto or full-auto, are designed to carry out butt fusion operations correctly and efficiently, for plastic pipes, material of PE, PP, PB, PVDF etc.
Suitable for using in applications of municipal drainage, natural gas, sewage, chemical, agricultural irrigation and so on.

- Die casting aluminum frame, high-strength steel base with cylinder, provides stable heavy-duty performance.
- Planing tool (trimmer) with full-gear transmission structure. Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, enables swift temperature control.
- Hydraulic station of enclosure design shielding splash & dirt, integrated with power control units.



Model No.	DRBY400	DRBY450	DRBY500	DRBY630
Welding range (mm)	250-400	280-450	315-500	400-630
Standard inserts (mm)	250-280-315-355	280-315-355-400	315-355-400-450	400-450-500-560
Power supply	380V/50Hz, 3PH			
Total power	8.7 KW	8.7 KW	9.1 KW	10.1 KW
Heating plate	6.5 KW	6.5 KW	6.5 KW	7.5 KW
Planing tool	1.1 KW	1.1 KW	1.5 KW	1.5 KW
Hydraulic station	1.1 KW	1.1 KW	1.1 KW	1.1 KW
Pressure adjusting range	0-16 MPa	0-16 MPa	0-16 MPa	0-16 MPa
Max Temperature of heating plate	270°C	270°C	270°C	270°C
Working temperature	170-250°C	170-250°C	170-250°C	170-250°C
Temperature deviation	±7°C	±7°C	±7°C	±7°C
Total section of cylinders	22.38CM ²	22.38CM ²	22.38CM ²	27.1CM ²
Total weight	368kg	385kg	406kg	560kg
Package 1	132*67*75cm	136*72*78cm	133*79*86cm	154*93*99cm
Package 2	81*56*108cm	90*60*107cm	90*61*107cm	75*62*126cm
Package 3	67*56*72cm	67*56*72cm	67*56*72cm	67*56*72cm

Plastic Butt Fusion Welding Machine

Hydraulic Butt Welding Machine

DOWELD butt welding machines, hydraulic or manual, semi-auto or full-auto, are designed to carry out butt fusion operations correctly and efficiently, for plastic pipes, material of PE, PP, PB, PVDF etc. Suitable for using in applications of municipal drainage, natural gas, sewage, chemical, agricultural irrigation and so on.

- Laser cutting welded steel frame, lightweight and strong, will not break like casting part.
- Planing tool with full-gear transmission structure. Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, enables swift temperature control.
- Hydraulic station of integrated enclosure shielding splash & dirt.



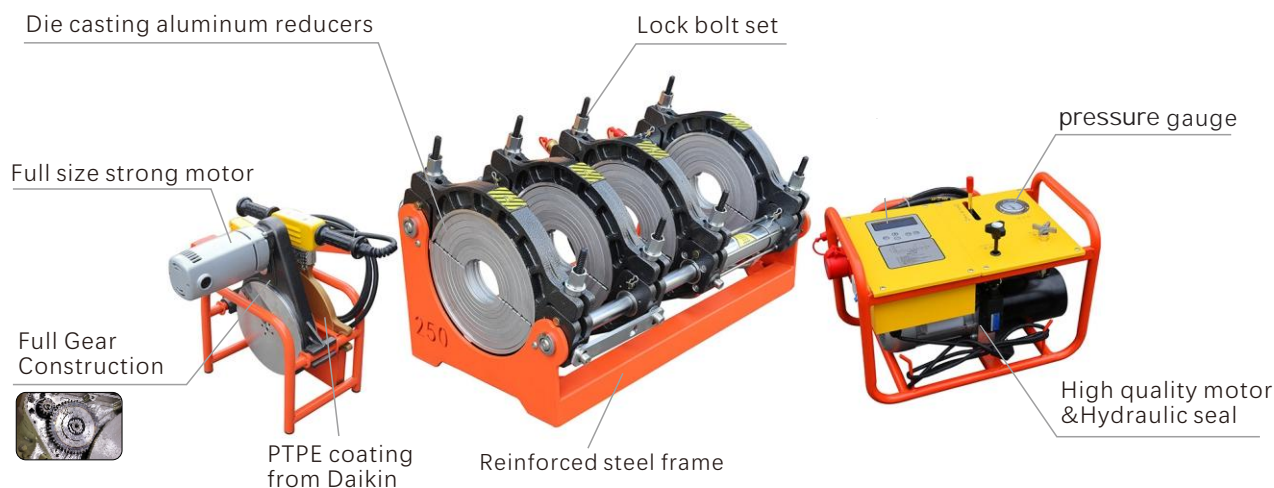
Model No.	DRBY800	DRBY1000	DRBY1200	DRBY1400	DRBY1600
Welding range (mm)	630-800	800-1000	1000-1200	1000-1400	1200-1600
Standard inserts (mm)	630-710	800-900	1000-1100	1000-1200	1200-1400
Power supply	380V/50Hz, 3PH				
Total power	19 KW	26.5 KW	30.5 KW	48KW	65.8KW
Heating plate	12.5 KW	18.5 KW	22.5 KW	32KW	52.8KW
Planing tool	2.2 KW	4 KW	4 KW	7.5KW	5.5KW
Hydraulic station	4 KW	4 KW	4 KW	7.5KW	7.5KW
Pressure adjusting range	0-16 MPa	0-16 MPa	0-16 MPa	0-25 MPa	0-25 MPa
Max Temperature of heating plate	270°C	270°C	270°C	270°C	270°C
Working temperature	170-250°C	170-250°C	170-250°C	170-250°C	170-250°C
Temperature deviation	±7°C	±7°C	±7°C	±10°C	±10°C
Total section of cylinders	31.8CM ²	36.52CM ²	45.94CM ²	-	-
Total weight	1201kg	2327kg	3124kg	4200kg	5200kg
Package 1	222*126*135cm	224*148*155cm	272*171*180cm	330*252*222cm	355*312*252cm
Package 2	114*75*155cm	129*101*191cm	162*104*222cm	245*112*252cm	262*122*289cm
Package 3	78.5*59*76cm	106*60*122cm	106*60*122cm	-	-

Plastic Butt Fusion Welding Machine

Hydraulic Butt Welding Machine

DOWELD butt welding machines, hydraulic or manual, semi-auto or full-auto, are designed to carry out butt fusion operations correctly and efficiently, for plastic pipes, material of PE, PP, PB, PVDF etc.
Suitable for using in applications of municipal drainage, natural gas, sewage, chemical, agricultural irrigation and so on.

- Die casting aluminum frame, high-strength steel base with cylinder, provides stable heavy-duty performance.
- Planing tool (trimmer) with full-gear transmission structure. Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, enables swift temperature control.
- Hydraulic station of open design, integrated with power control units.



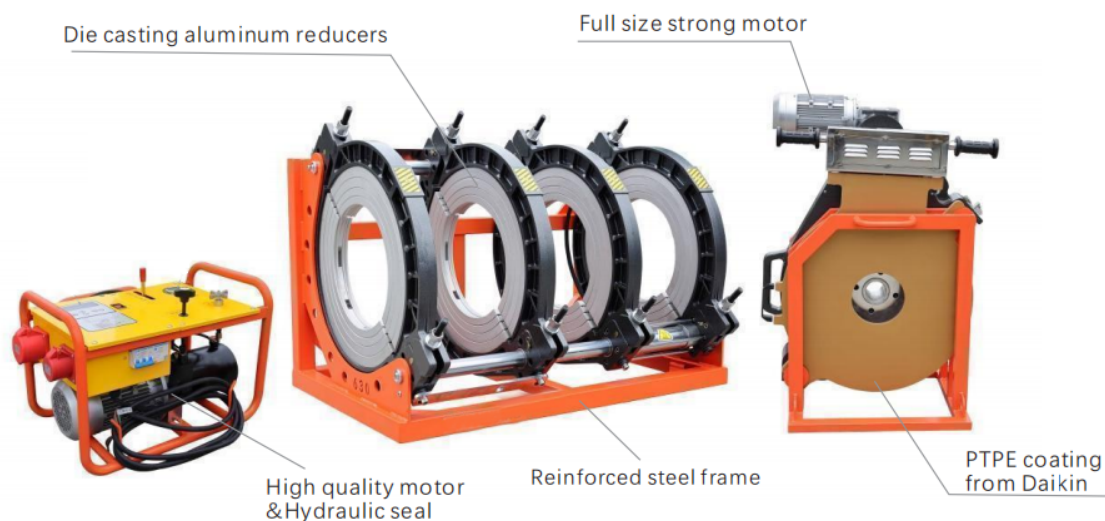
Model No.	BSY160	BSY200	BSY250	BSY315	BSY355
Welding range (mm)	63-160	63-200	90-250	160-315	160-355
Standard inserts (mm)	63-75-90-110-125-140	63-75-90-110-125-140-160-180	90-110-125-140-160-180-200-225	90-110-125-140-160-180-200-225-250-280	160-180-200-225-250-280-315
Power supply	220V/50Hz,1PH 110V/60HZ,1PH (optional)				220V/50Hz,1PH 380V/50Hz,3PH
Total power	3.35 KW	3.65 KW	4.15 KW	4.95 KW	6.3 KW
Heating plate	1.5 KW	1.8 KW	2.3 KW	3.1 KW	3.55 KW
Planing tool	1.1KW	1.1 KW	1.1 KW	1.1 KW	1.1 KW
Hydraulic station	0.75KW	0.75KW	0.75 KW	0.75 KW	0.75 KW
Pressure adjusting range	0-6.3 MPa	0-6.3 MPa	0-6.3 MPa	0-16 MPa	0-16 MPa
Max Temperature of heating plate	270°C	270°C	270°C	270°C	270°C
Working temperature	170-250°C	170-250°C	170-250°C	170-250°C	170-250°C
Temperature deviation	±5°C	±5°C	±5°C	±5°C	±5°C
Total section of cylinders	15.32CM ²	15.32CM ²	11CM ²	20.02CM ²	20.02CM ²
Total weight	111kg	118kg	158kg	183kg	246kg
Package 1	84*45.5*60.5cm	84*50*64cm	82.5*56.5*54cm	93.5*66.5*53cm	93*61*69cm
Package 2	54*43*55cm	54*43*55cm	80*55*64cm	73.5*69.7*71.5cm	87*70*75cm

Plastic Butt Fusion Welding Machine

Hydraulic Butt Welding Machine

DOWELD butt welding machines, hydraulic or manual, semi-auto or full-auto, are designed to carry out butt fusion operations correctly and efficiently, for plastic pipes, material of PE, PP, PB, PVDF etc. Suitable for using in applications of municipal drainage, natural gas, sewage, chemical, agricultural irrigation and so on.

- Die casting aluminum frame, high-strength steel base with cylinder, provides stable heavy-duty performance.
- Planing tool (trimmer) with full-gear transmission structure. Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, enables swift temperature control.
- Hydraulic station of open design, integrated with power control units.



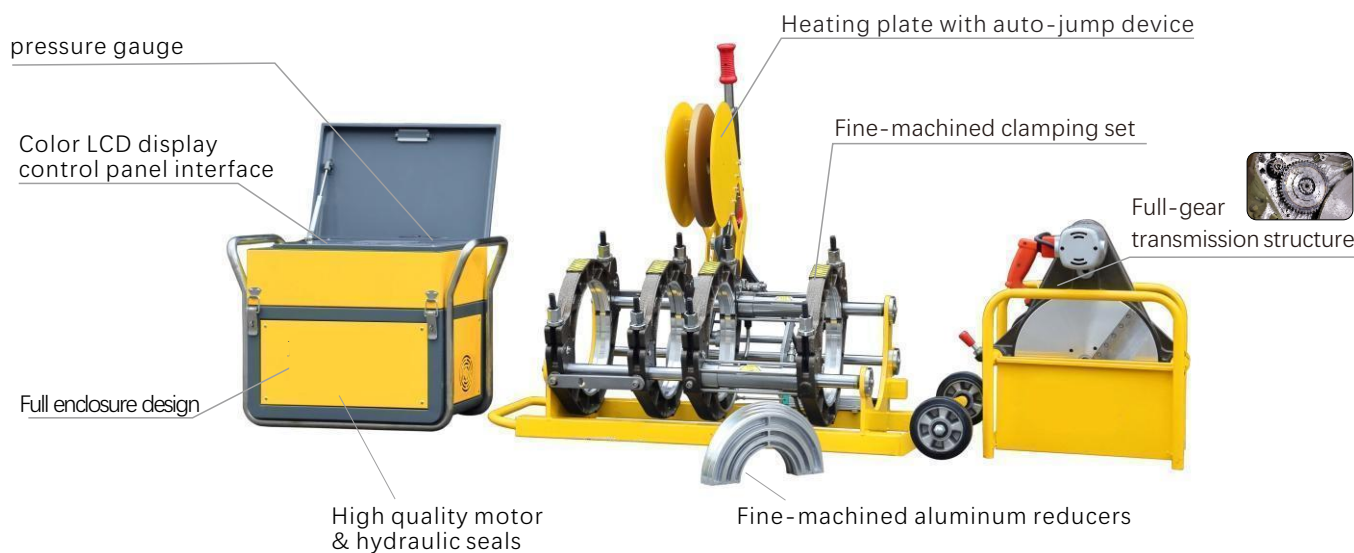
Model No.	BSY400	BSY450	BSY500	BSY630
Welding range (mm)	250-400	280-450	315-500	400-630
Standard inserts (mm)	250-280-315-355	280-315-355-400	315-355-400-450	400-450-500-560
Power supply	380V/50Hz, 3PH			
Total power	8.7 KW	8.7 KW	9.1 KW	10.1 KW
Heating plate	6.5 KW	6.5 KW	6.5 KW	7.5 KW
Planing tool	1.1 KW	1.1 KW	1.1 KW	1.1 KW
Hydraulic station	1.1 KW	1.1 KW	1.5 KW	1.5 KW
Pressure adjusting range	0-16 MPa	0-16 MPa	0-16 MPa	0-16 MPa
Max Temperature of heating plate	270°C	270°C	270°C	270°C
Working temperature	170-250°C	170-250°C	170-250°C	170-250°C
Temperature deviation	±7°C	±7°C	±7°C	±7°C
Total section of cylinders	22.38CM ²	22.38CM ²	22.38CM ²	27.1CM ²
Total weight	362kg	385kg	405kg	560kg
Package 1	133*68*75cm	115.5*71.5*80cm	125*79*88cm	135.5*91.5*100.5cm
Package 2	86*61.5*102cm	80.5*60.5*108cm	88*60*108cm	103*62*125cm
Package 3	70*49*50cm	67.5*53*73cm	67.5*53*73cm	67.5*53*73cm

Plastic Butt Fusion Welding Machine

Full automatic butt welding machine

DOWELD butt welding machines, hydraulic or manual, semi-auto or full-auto, are designed to carry out butt fusion operations correctly and efficiently, for plastic pipes, material of PE, PP, PB, PVDF etc. Suitable for using in applications of municipal drainage, natural gas, sewage, chemical, agricultural irrigation and so on.

- Integrated die casting aluminum frame, high-strength steel base with cylinder, provides stable heavy-duty performance.
- Planing tool with full-gear transmission structure. Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, with auto-jump device.
- Hydraulic station of integrated enclosure shielding splash & dirt.
- Step by step operation experience guided by intelligent digital system.



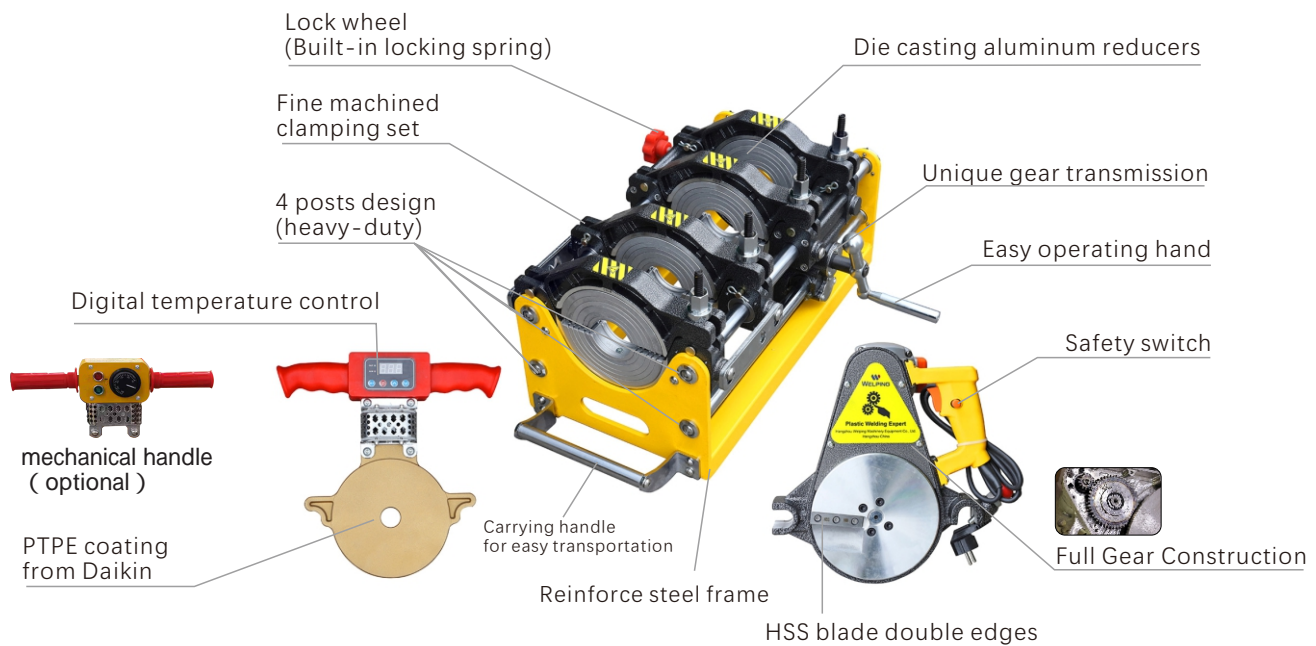
Model No.	DRBQ200	DRBQ250	DRBQ315
Welding range (mm)	63-200	90-250	90-315
Standard sizes (reducers, mm)	63-90-110-160-200	90-110-160-200-250	90-110-160-200-250-315
Power supply	220V/50Hz, 1PH 110V/60Hz, 1PH(optional)		
Total power	3.55 KW	4.15 KW	4.95 KW
Heating plate	1.8 KW	2.3 KW	3.1 KW
Planing tool	1.0 KW	1.1 KW	1.1 KW
Hydraulic station	0.75 KW	0.75 KW	0.75 KW
Pressure adjusting range	0-6.3 Mpa, auto	0-6.3 Mpa, auto	0-6.3 Mpa, auto
Max Temperature of heating plate	270°C	270°C	270°C
Temperature deviation	±5°C	±5°C	±5°C
Total weight	201kg	230kg	273kg
Net weight	181kg	210kg	253kg
Frame, planing tool, heater (plywood case)	124*70*65.5cm	137*70*73cm	139*85*77cm
Hydraulic station (plywood case)	76*45*65cm	77*49.5*65cm	81*55*65cm

Plastic Butt Fusion Welding Machine

Manual Butt Welding Machine Y Type - 4 Clamps

Manual Butt fusion welding provides standard welding range of 63mm to 250mm, with unique gear transmission structure. mainly consists of 2 major parts: Carriage (also called frame or base), planing tool (also called **milling tool** or facer) and heater. Carriage for precise face joint and steady pipe clamping, planing tool and heater responsible for accurate trimming and heating. It's an effective, trouble free connecting for PE, PP, PVDF pipes.

- Suitable for PE, PP, PVDF
- Integrated die casting aluminum frame, high-strength steel base with unique gear transmission, provides stable and smooth operation performance.
- Planing tool with full-gear transmission structure
- Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, enables swift temperature control.



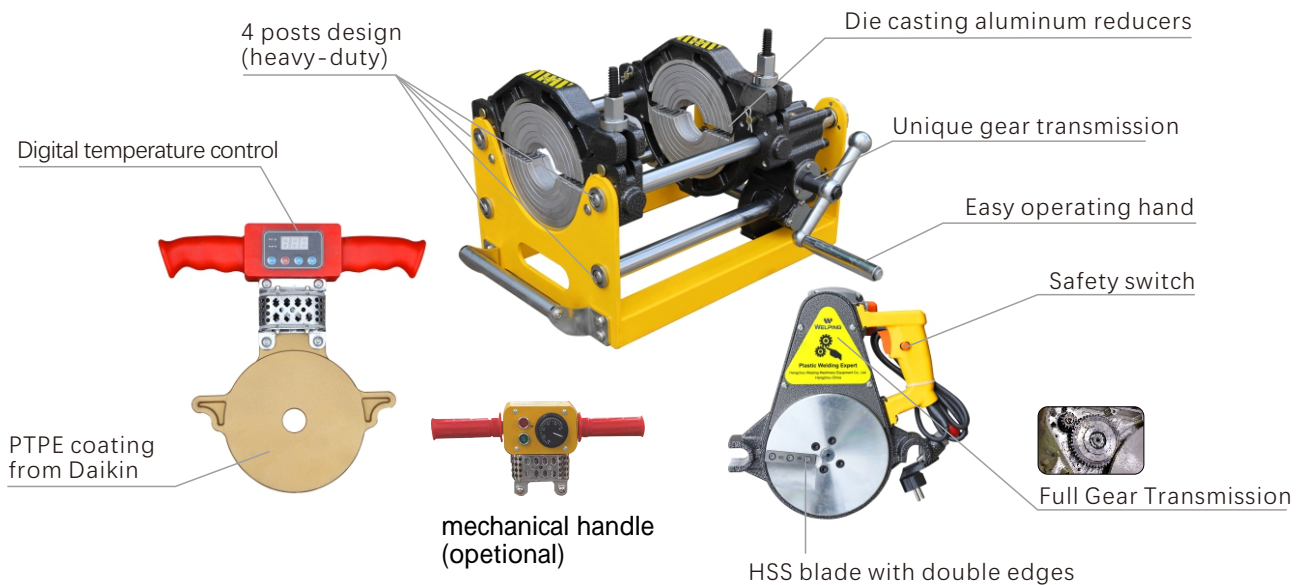
Model No.	DRB160Y4	DRB200Y4	DRB250Y4
Welding range (mm)	63-160	63-200	90-250
Standard inserts (mm)	63-75-90-110-125-140	63-75-90-110-125-140-160-180	90-110-125-140-160-180-200-225
Power supply	220V/50Hz,1PH 110V/60Hz,1PH(optional)	220V/50Hz,1PH 110V/60Hz,1PH(optional)	220V/50Hz,1PH 110V/60Hz,1PH(optional)
Total power	2.5 KW	2.8 KW	3.4 KW
Heating plate	1.5 KW	1.8 KW	2.3 KW
Planing tool	1.0KW	1.0KW	1.1KW
Max.Temperature of heating plate	270°C	270°C	270°C
Temp.Deviation in Surface	±5°C	±5°C	±5°C
Total weight	62kg	71kg	105kg
Whole machine (plywood case)	70*49*60cm	78.5*53.5*61cm	81*59*66cm

Plastic Butt Fusion Welding Machine

Manual Butt Welding Machine Y Type - 2 Clamps

Manual Butt fusion welding provides standard welding range of 63mm to 250mm, with unique gear transmission structure. mainly consists of 2 major parts: Carriage (also called frame or base), planing tool (also called **milling tool** or facer) and heater. Carriage for precise face joint and steady pipe clamping, planing tool and heater responsible for accurate trimming and heating. It's an effective, trouble free connecting for PE, PP, PVDF pipes.

- Suitable for PE, PP, PVDF
- Integrated die casting aluminum frame, high-strength steel base with unique gear transmission, provides stable and smooth operation performance.
- Planing tool with full-gear transmission structure
- Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, enables swift temperature control.



Model No.	DRB110Y2	DRB160Y2	DRB200Y2	DRB250Y2
Welding range (mm)	40-110	63-160	63-200	63-250
Standard inserts (mm)	40-50-63-75-90	63-75-90-110-125-140	63-75-90-110-125-140-160-180	63-75-90-110-125-140-160-180-200-225
Power supply	220V/50Hz,1PH * 110V/60Hz,1PH	220V/50Hz,1PH * 110V/60Hz,1PH	220V/50Hz,1PH * 110V/60Hz,1PH	220V/50Hz,1PH * 110V/60Hz,1PH
Total power	2.6 KW	2.6 KW	2.8 KW	3.4 KW
Heating plate	1.5 KW	1.5 KW	1.8 KW	2.3 KW
Planing tool	1.1KW	1.1KW	1.0KW	1.1 KW
Max.Temperature	270°C	270°C	270°C	270°C
Temp.Deviation	±5°C	±5°C	±5°C	±5°C
Total weight	40kg	48kg	58kg	65kg
Package (plywood case)	51*43*44cm	52*42*60cm	52*47*60cm	56*50*60cm

* marked as optional

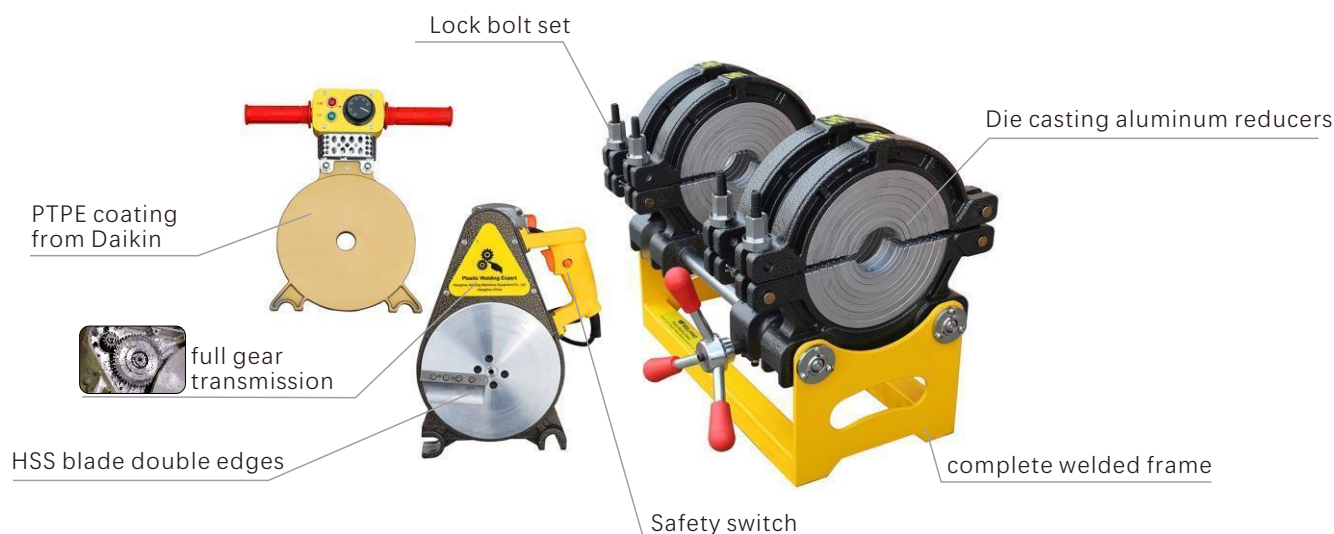
Plastic Butt Fusion Welding Machine

Manual Butt Welding Machine D Type - 4 Clamps

Manual Butt fusion welding provides standard welding range of 63mm to 200mm, with whole welded frame part structure. mainly consists of 2 major parts: Carriage (also called frame or base), planing tool (also called **milling tool** or **facer**) and heater. Carriage for precise face joint and steady pipe clamping, planing tool and heater responsible for accurate

trimming and heating. It's an effective, trouble free connecting for PE, PP, PVDF pipes.

- Suitable for PE, PP, PVDF
- Integrated die casting aluminum frame, high-strength complete welded frame (carriage), provides stable and reliable operation performance.
- Planing tool with full-gear transmission structure
- Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, enables swift temperature control.



Model No.	DRB160D4	DRB200D4
Welding range (mm)	63-160	63-200
Standard inserts (mm)	63-75-90-110-125-140	63-75-90-110-125-140-160-180
Power supply	220V/50Hz,1PH 110V/60HZ,1PH(optional)	220V/50HZ,1PH 110V/60HZ,1PH(optional)
Total power	2.5 KW	2.8 KW
Heating plate	1.5 KW	1.8 KW
Planing tool	1.0 KW	1.0KW
Max.Temperature of heating plate	270°C	270°C
Temp.Deviation	±5°C	±5°C
Total weight	47kg	51kg
Whole machine (plywood case)	67*41*50cm	64.5*45*48.5cm

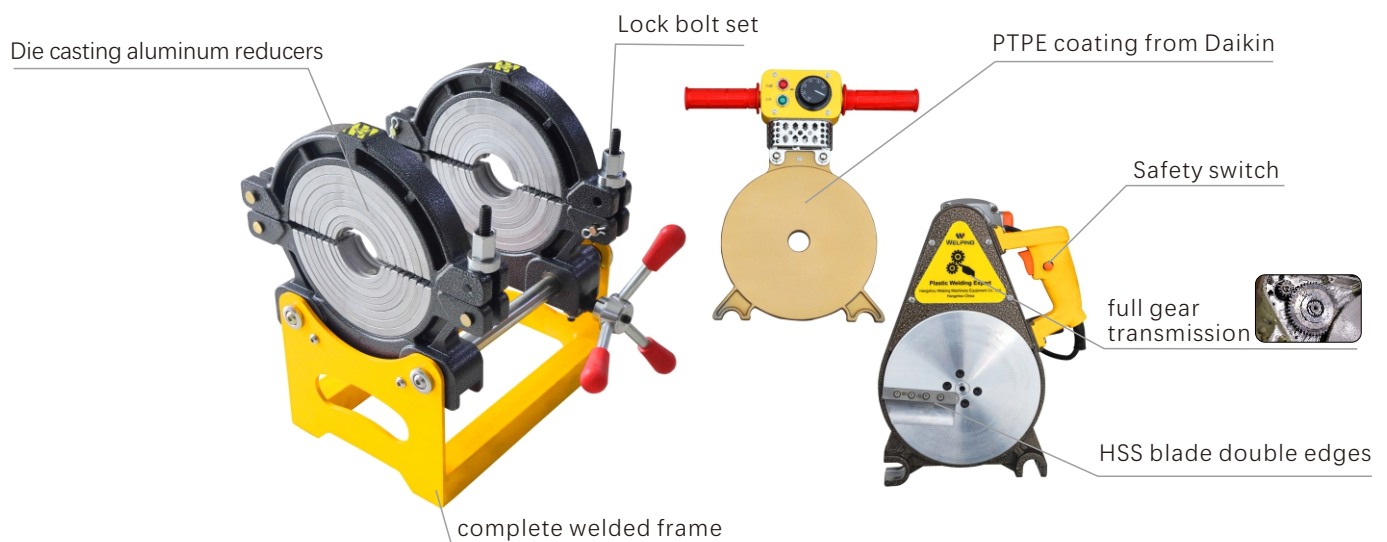
Plastic Butt Fusion Welding Machine

Manual Butt Welding Machine D Type - 2 Clamps

Manual Butt fusion welding provides standard welding range of 63mm to 200mm, with whole welded frame part structure. mainly consists of 2 major parts: Carriage (also called frame or base), planing tool (also called milling tool or facer) and heater. Carriage for precise face joint and steady pipe clamping, planing tool and heater responsible for accurate

trimming and heating. It's an effective, trouble free connecting for PE, PP, PVDF pipes.

- Suitable for PE, PP, PVDF
- Integrated die casting aluminum frame, high-strength complete welded frame (carriage), provides stable and reliable operation performance.
- Planing tool with full-gear transmission structure
- Durable and long life HSS blade.
- Heating plate with high quality PTFE coating, enables swift temperature control.



Model No.	DRB160D2	DRB200D2
Welding range (mm)	63-160	63-200
Standard inserts (mm)	63-75-90-110-125-140	63-75-90-110-125-140-160-180
Power supply	220V/50Hz,1PH 110V/60HZ,1PH(optional)	220V/50Hz,1PH 110V/60HZ,1PH(optional)
Total power	2.5 KW	2.8 KW
Heating plate	1.5 KW	1.8 KW
Planing tool	1.0 KW	1.0KW
Max.Temperature of heating plate	270°C	270°C
Temp.Deviation	±5°C	±5°C
Total weight	35kg	39kg
Whole machine (plywood case)	56*42*52cm	56*45*56cm

Electrofusion Welding Machine

Electrofusion welder

Electrofusion welding is widely used in PE and PP pipe jointing, with various kind of electrofusion fittings. With the tool of electrofusion welder, the connection job can be done efficiently

- Control core of high level MCU, for accurate welding control
- Built-in Voltage stabilizer, for steady welding
- Industrial level electrical parts, for steady performance
- Over-load protection design, guarantee safe operation
- Optional scanner & printer



Model No.	DRB200E	DRB315E
Welding mode	automatic and manual	automatic and manual
Suitable material	PE,PP	PE,PP
Max.welding range	200mm	315mm
Power supply	220V±20%, 50-60HZ	220V±20%, 50-60HZ
Power	2.5 KW	3.5 KW
Ambient temperature	-15~45℃	-15~45℃
Voltage control mode	10~50V adjustable	10~50V adjustable
Current control mode	1~80A adjustable	1~80A adjustable
Time adjusting range	1-9999 seconds	1-9999 seconds
Data record	100	100
Duty rate	80%	80%
Net Weight	25kgs	27kgs
Packing Size	40*29*35cm	40*29*35cm

Electrofusion Welding Machine

Electrofusion welder

Electrofusion welding is widely used in PE and PP pipe jointing, with various kind of electrofusion fittings. With the tool of electrofusion welder, the connection job can be done efficiently

- Control core of high lever MCU, for accurate welding control
- High efficiency of energy transformation
- Industrial level electrical parts, for steady performance
- Lightweight, easy for transportation
- Voice broadcasting function



Model No.	HJ3500	HJ6300	HJ7500	HJ12000
Welding mode	automatic and manual			
Suitable material	PE, PP			
Max.welding range	315mm	500mm	630mm	1000mm
Input power	150V-250V, 50-60 Hz			220V-380V, 50-60 Hz
Power	3.5 KW	6.3 KW	7.5 KW	12 KW
Ambient temperature	-15~45℃			
Output voltage	3-70V	3-110V	3-140V	3-200V
Output current	3-60A	3-80A		
Control mode	Constant voltage/Constant current			
Data record	400			
Output accuracy	±1.5%			
Optional part	Printer			
Weight	9kg	13kg	13kg	20kg