

AMD

PLASTIC WELDING MACHINE

Total Solution For Pipe Joint



- Butt Fusion Welding Machine
- Electro Fusion Welding Machine
- Socket Fusion Welding Machine

Field Welding Machines

SHDS160T SHDS200T

Application and Features:

- A Machine body with 2 aluminum made clamps;
- A Teflon coated heating plate with digital display, equipped with friendly handle;
- A Electrical milling cutter;
- Support for milling cutter and heating plate.

SHDS160T/SHDS200T is manual butt fusion welder for pipes up to 160mm and 200mm. With compact and portable design, it will enable operators to work in the complicated condition. The heating plate with digital display help operator reading the temperature in precise and convenient way. It is suitable for welding plastic pipe and fittings made of HDPE, PP, PVDF.



Technical Parameters:

Model	SHDS 160T	SHDS 200T
Materials	HDPE - PP - PVDF	HDPE - PP - PVDF
Working Range	50mm - 160mm	50mm - 200mm
Reducing Inserts	OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm	OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm
Power Supply	110VAC - 230VAC	110VAC - 230VAC
Single Phase	50HZ	50HZ
Total Absorbed Power	2.3KW	2.9KW
Working Temperature	150C - 270C	150C - 270C
Total Weight (N.W/G.W)	35.5 KG/36.0 KG	37.5 KG/38.0 KG

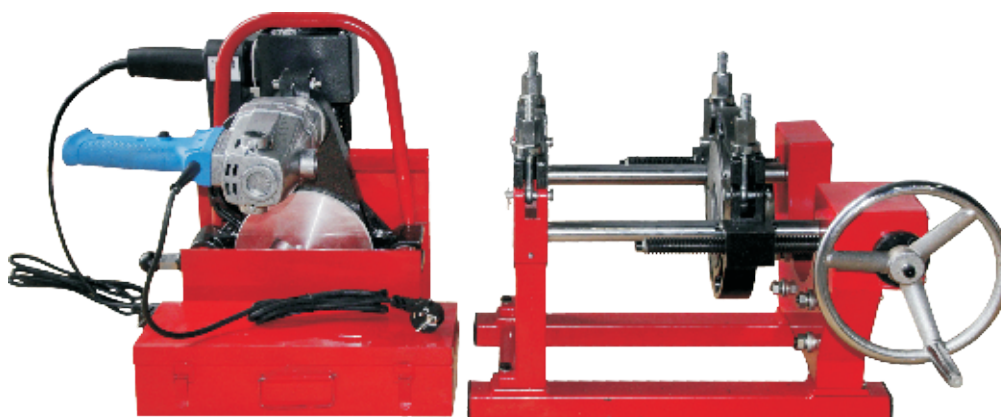
Field Welding Machines

SHDS160S SHDS200S SHDS250S

Application and Features:

- A Machine body with 2 aluminum made clamps;
- A Teflon coated heating plate with digital display, equipped with friendly handle;
- A Electrical milling cutter;
- Support for milling cutter and heating plate.

SHDS160S/SHDS200S/SHDS250S is manual butt fusion welder for pipes up to 160mm 200mm and 250mm. With compact and portable design, it will enable operators to work in the complicated condition. The heating plate with digital display help operator reading the temperature in precise and convenient way. It is suitable for welding plastic pipe and fittings made of HDPE, PP, PVDF.



Technical Parameters:

Model	SHDS 160S	SHDS 200S	SHDS 250S
Materials	HDPE - PP - PVDF	HDPE - PP - PVDF	HDPE - PP - PVDF
Working Range	50mm - 160mm	50mm - 200mm	90mm - 250mm
Reducing Inserts	OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm	OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm	OD 90mm, 110mm, 125mm, 140mm, 160mm, 180mm, 200mm, 225mm
Power Supply	110VAC - 230VAC	110VAC - 230VAC	110VAC - 230VAC
Single Phase	50HZ	50HZ	50HZ
Total Absorbed Power	2.3KW	2.9KW	3.3KW
Working Temperature	150C - 270C	150C - 270C	150C - 270C
Total Weight (N.W/G.W)	37.5 KG/42.5 KG	37.5 KG/42.5 KG	48.5 KG/50.0 KG

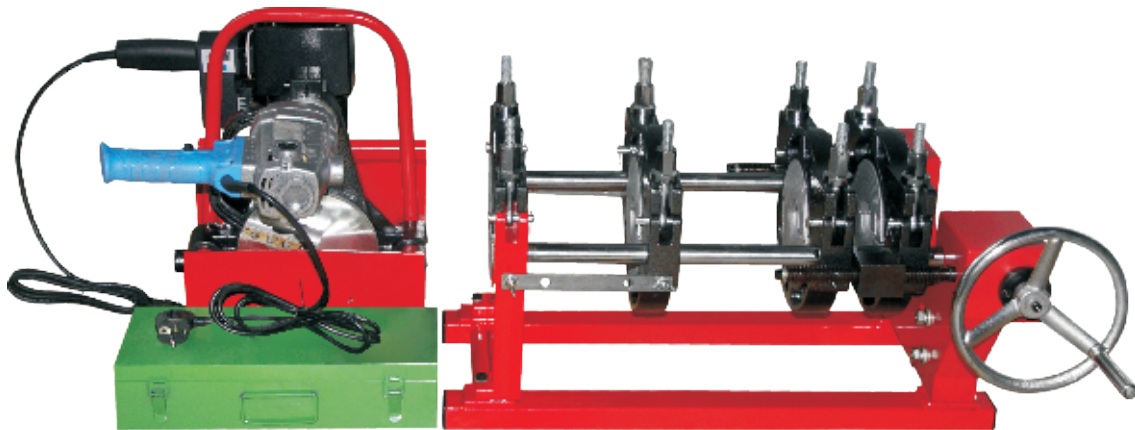
Field Welding Machines

SHDS160D SHDS200D SHDS250D

Application and Features:

- A Machine body with 4 aluminum made clamps;
- A Teflon coated heating plate with digital display, equipped with friendly handle;
- A Electrical milling cutter;
- Support for milling cutter and heating plate.

SHDS160D/SHDS200D/SHDS250D is manual butt fusion welder for pipes up to 160mm 200mm and 250mm. With compact and portable design, it will enable operators to work in the complicated condition. The heating plate with digital display help operator reading the temperature in precise and convenient way. It is suitable for welding plastic pipe and fittings made of HDPE, PP, PVDF.



Technical Parameters:

Model	SHDS 160D	SHDS 200D	SHDS 250D
Materials	HDPE - PP - PVDF	HDPE - PP - PVDF	HDPE - PP - PVDF
Working Range	50mm - 160mm	50mm - 200mm	90mm - 250mm
Reducing Inserts	OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm	OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm	OD 90mm, 110mm, 125mm, 140mm, 160mm, 180mm, 200mm, 225mm
Power Supply	110VAC - 230VAC	110VAC - 230VAC	110VAC - 230VAC
Single Phase	50HZ	50HZ	50HZ
Total Absorbed Power	2.3KW	2.9KW	3.3KW
Working Temperature	150C - 270C	150C - 270C	150C - 270C
Total Weight (N.W/G.W)	48.5 KG/50.0 KG	63.5 KG/65.0 KG	115.0 KG/120.0KG

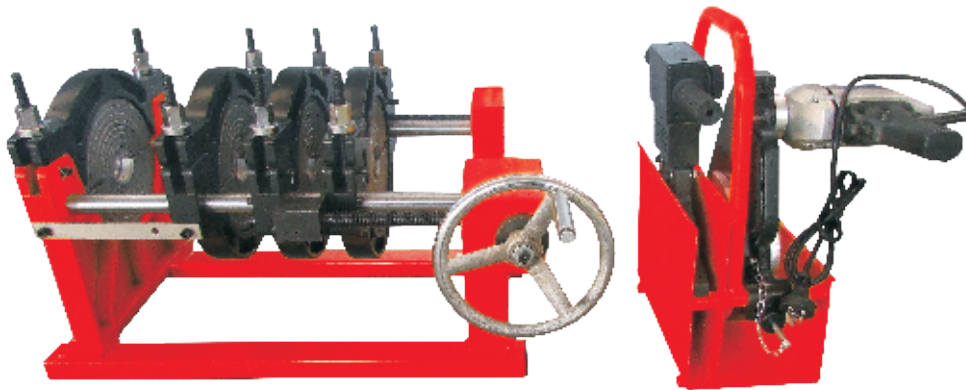
Field Welding Machines

SHDS160B SHDS200B SHDS250B

Application and Features:

- A Machine body with 4 aluminum made clamps;
- A Teflon coated heating plate with digital display, equipped with friendly handle;
- A Electrical milling cutter;
- Support for milling cutter and heating plate.

SHDS160B/SHDS200B/SHDS250B is manual butt fusion welder for pipes up to 160mm 200mm and 250mm. With compact and portable design, it will enable operators to work in the complicated condition. The heating plate with digital display help operator reading the temperature in precise and convenient way. It is suitable for welding plastic pipe and fittings made of HDPE, PP, PVDF.



Technical Parameters:

Model	SHDS 160B	SHDS 200B	SHDS 250B
Materials	HDPE - PP - PVDF	HDPE - PP - PVDF	HDPE - PP - PVDF
Working Range	50mm - 160mm	50mm - 200mm	90mm - 250mm
Reducing Inserts	OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm	OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm	OD 90mm, 110mm, 125mm, 140mm, 160mm, 180mm, 200mm, 225mm
Power Supply	110VAC - 230VAC	110VAC - 230VAC	110VAC - 230VAC
Single Phase	50HZ	50HZ	50HZ
Total Absorbed Power	2.3KW	2.9KW	3.3KW
Working Temperature	150C - 270C	150C - 270C	150C - 270C
Total Weight (N.W/G.W)	50.0 KG/55.0 KG	63.5 KG/65.0 KG	115.0 KG/120.0 KG

Field Welding Machines

SHD160 SHD250 SHD315

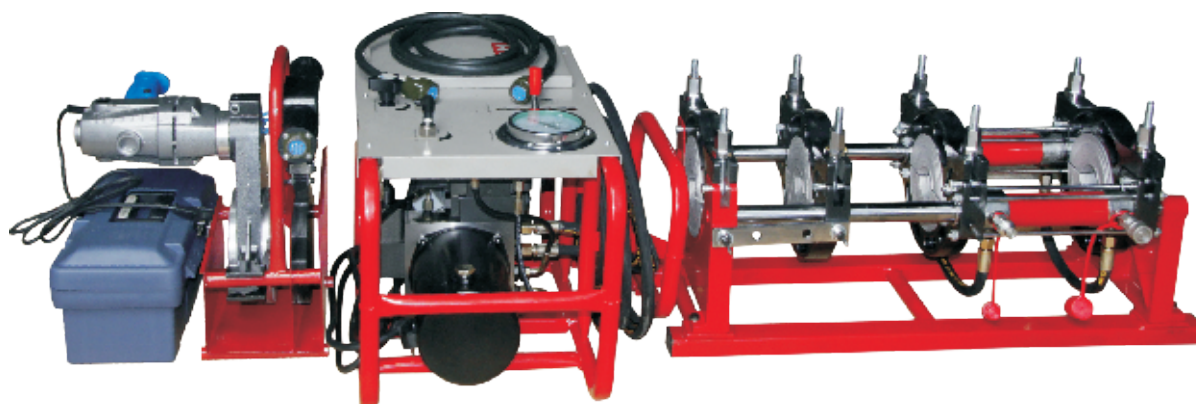
Application and Features:

- A Machine body with 4 clamp and 2 Hidraulic cylinders with fast coupling;
- A Teflon coated heating plate with separate temperature control system;
- A Electrical milling cutter;
- Hydraulic hoses with quick couplings;
- Support for milling cutter and heating plate.

Available options:

- Data logger
- Varied inserts (single insert, ISO inserts)
- Stub end holder
- Support roller

SHD 160 is hydraulic butt fusion welder. It is used to butt weld pipe and fittings such as elbow, tees, wye and flange necks without any additional equipment by simply adjusting the clamp drag bar. It is suitable for welding plastic pipe and fittings made of HDPE, PP, PVDF.



Technical Parameters:

Model	SHD 160	SHD 250	SHD 315
Materials	HDPE - PP - PVDF	HDPE - PP - PVDF	HDPE - PP - PVDF
Working Range	50mm - 160mm	90mm - 250mm	90mm - 315mm
Reducing Inserts	OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm	OD 90mm, 110mm, 125mm, 140mm, 160mm, 180mm, 200mm, 225mm	OD 90mm, 110mm, 125mm, 140mm, 160mm, 180mm, 200mm, 225mm, 250mm, 280mm
Power Supply	110VAC - 230VAC	230VAC	110VAC - 230VAC
Single Phase	50HZ	50HZ	50HZ
Total Absorbed Power	2.85KW	3.85KW	4.85KW
Working Temperature	150C - 270C	150C - 270C	150C - 270C
Total Cylinder Area	10.98 cm ²	10.98 cm ²	20.02 cm ²
Working Pressure Range	0 Bar - 80 Bar	0 Bar - 80 Bar	0 Bar - 80 Bar
Total Weight (N.W/G.W)	94.0 KG/110.0 KG	145.0 KG/170.0 KG	175.0 KG/200.0 KG

Field Welding Machines

SHD450 SHD630

Application and Features:

- A Machine body with 4 clamp and 2 Hidraulic cylinders with fast coupling;
- A Teflon coated heating plate with separate temperature control system;
- Self detaching device: help removing the heating plate after soaking process;
- A Electrical milling cutter;
- Hydraulic hoses with quick couplings;
- Support for milling cutter and heating plate.

Available options:

- Data logger
- Varied inserts (single insert, ISO inserts)
- Stub end holder
- Support roller
- Electrical crane
- Machine body trolley

SHD 450 is hydraulic butt fusion welder. It is used to butt weld pipe and fittings such as elbow, tees, wye and flange necks without any additional equipment by simply adjusting the clamp drag bar. It is suitable for welding plastic pipe and fittings made of HDPE, PP, PVDF.



Technical Parameters:

Model	SHD 450	SHD 630
Materials	HDPE - PP - PVDF	HDPE - PP - PVDF
Working Range	200mm - 450mm	315mm - 630mm
Reducing Inserts	OD 200mm, 225mm, 250mm, 280mm, 315mm, 355mm, 400mm	OD 315mm, 355mm, 400mm, 450mm, 500mm, 560mm
Power Supply	380VAC	380VAC
Single Phase	50HZ	50HZ
Total Absorbed Power	8.2KW	12.2KW
Working Temperature	150C - 270C	150C - 270C
Total Cylinder Area	22.38 cm ²	23.06 cm ²
Working Pressure Range	0 Bar - 100 Bar	0 Bar - 100 Bar
Total Weight (N.W/G.W)	145.0 KG/170.0 KG	540.0 KG/635.0 KG

Field Welding Machines

SHD800 SHD1000 SHD1200

Application and Features:

- A Machine body with 4 clamp and 2 Hidraulic cylinders with fast coupling;
- A Teflon coated heating plate with separate temperature control system;
- Self detaching device: help removing the heating plate after soaking process;
- A Electrical milling cutter;
- Hydraulic hoses with quick couplings;
- Support for milling cutter and heating plate.

Available options:

- Data logger
- Varied inserts (single insert, ISO inserts)
- Stub end holder
- Support roller
- Electrical crane
- Machine body trolley

SHD 450 is hydraulic butt fusion welder. It is used to butt weld pipe and fittings such as elbow, tees, wye and flange necks without any additional equipment by simply adjusting the clamp drag bar. It is suitable for welding plastic pipe and fittings made of HDPE, PP, PVDF.



Technical Parameters:

Model	SHD 800	SHD 1000	SHD 1200
Materials	HDPE - PP - PVDF	HDPE - PP - PVDF	HDPE - PP - PVDF
Working Range	500mm - 800mm	630mm - 1000mm	800mm - 1200mm
Reducing Inserts	OD 500mm, 630mm, 710mm,	OD 630mm,710mm, 800mm, 900mm,	OD 800mm,900mm, 1000mm
Power Supply	380VAC	380VAC	380VAC
Single Phase	50HZ	50HZ	50HZ
Total Absorbed Power	16.5KW	21KW	28.5KW
Working Temperature	150C - 270C	150C - 270C	150C - 270C
Total Cylinder Area	43.98 cm ²	80.1 cm ²	98.96 cm ²
Working Pressure Range	0 Bar - 160 Bar	0 Bar - 1600 Bar	0 Bar - 160 Bar
Total Weight (N.W/G.W)	1105.0 KG/1255.0 KG	1900.0 KG/2100.0 KG	2745.0 KG/3073.0 KG

Field Electro Fusion Machines

EF 315 EF 500

Application and Features:

- Machine body with strong steel frame;
- Multifunctional display gives a easy way to set and weld;
- Upper control panel that makes the operation easier and more friendly;
- Universal connectors without need of adapters;
- A laser scanner allows the automatic setting of the welding parameters with barcode reading system.
- The USB port is used to download the welding report to computer for a record

Standard composition:

- Basic machine
- Universal adapter
- Laser scanner
- Manual scraper
- Printer

EF 315 and EF 500 series is designed as economical model, it is suitable for welding HDPE, PP, PPR couplings.



Technical Parameters:

Model	EF 315	EF 500
Welding Range	OD 20mm-315mm	OD 20mm-500mm
Power Supply	230VAC	380VAC
Frequency	50/60HZ	50/60HZ
Max. Output Welding Voltage	75.0V	150.0V
Max. Output Welding Current	55.0A	60.0A
Max. Absorbed Power	3.5KW	8.0KW
Memory Capacity	500 Report	500 Report
Weight	11.5 KG	29.5 KG
Machine Dimension	645 x 475 x 550mm	660 x 450 x 660mm

Field Socket Fusion Machines

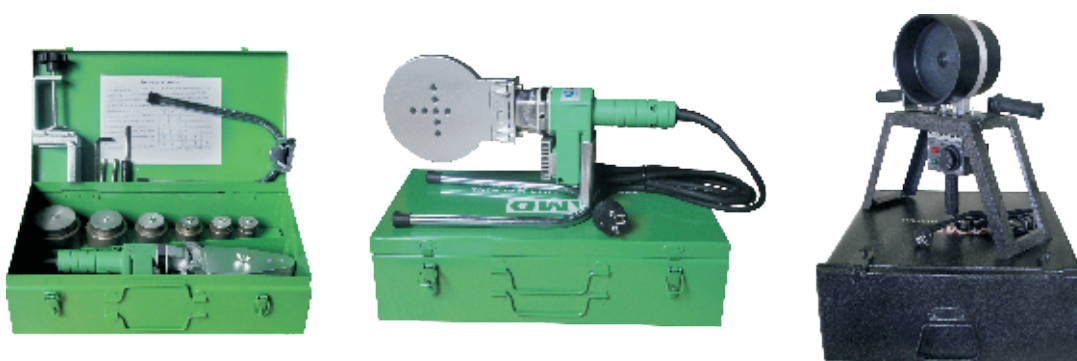
SF 63/20 SF 110/75 SF 160

Application and Features:

- Heating plate with Teflon coated;
- Unique digital display screen, adjust the temperature according to the different material;
- Heating interval signal lights;
- To kinds of removable supporting stand, welding at multi-directions;
- A set of dedicated wrench, convenient to use and carry;
- Electronic constant temperature controller and indicating light;
- Thermal insulation handle made of reinforced nylon;
- Sockets with high quality adhesive coating, for longer lifetime and great fusion performance.

Applicable range:

- Portable socket fusion tools are used for PP-R, PE Pipes and Fittings.



Technical Parameters:

Model	SF 63/20	SF 110/75	SF 160
Welding Range	OD 20mm-63mm	OD 75mm-110mm	OD 160mm
Power Supply	230VAC, 50/60HZ	230VAC, 50/60HZ	230VAC, 50/60HZ
Total Absorbed Power	800 W	1200 W	1500 W
Working Temperature	260 C± 3%	260 C± 3%	290 C± 3%
Environment Temperature	-5C~45C	-5C~45C	-5C~45C
Material	PP-R, PE, PP, PB, PVDF	PP-R, PE, PP, PB, PVDF	PP-R, PE, PP, PB, PVDF
N.W	1.8 KG	2.0 KG	2.0 KG
Dimension	460 x 265 x 265mm	460 x 265 x 265mm	460 x 265 x 265mm



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