

# Field Welding Machines

## **SHD450 SHD630**

### Application and Features

- Suitable for butt welding of plastic pipes and /or fittings made of PE, PP, and PVDF in worksite or workshop.
- Consists of basic frame, hydraulic unit, planning tool, heating plate, support for planning tool & heating plate, and optional parts.
- Removable PTFE coated heating plate with high accurate temperature control system.
- Electrical planning tool with safty limit switch..
- Be made of lightweight and high strength material;
- Designed with a clamp opening angle of 45 degree.
- Low starting pressure and high reliable seal structure.
- Changeable welding position enables to weld various fittings easier.
- Separate two-channel timer records time in soaking and cooling phases.
- High-accurate and shockproof pressure meter indicates clearer readings.

#### Optional parts:

- Stub end device for flange stub.
- Data logger.
- Crane



Stub end device for short flange



Crane



Data logger



### Technical Parameters

Model	SHD450	SHD630
Pipe size (mm)	200.225.250.280.315.355.400.450	315.355.400.450.500.560.630
Heating plate max. Temp.	270°C	270°C
Temp. deviation in surface (170-250°C)	<±7°C	<±7°C
Working voltage	380V, 50HZ	380V, 50HZ
Pressure adjustable ranges	0-6.3Mpa	0-6.3Mpa
Heating plate power	4.5 KW	9.35 KW
Planing tool power	1.5 KW	1.5 KW
Hydraulic unit power	1.5 KW	1.5 KW
Total power	7.5 KW	12.35 KW
Weight	394 KG	617 KG
Packing dimension (mm)	Frame	1480X910X1050
	Support	740X490X620
	Hydraulic unit	860X1010X1230

# **Field Welding Machines**

## **SHDS160 SHDS200**

### **Application and Features**

- Suitable for welding of plastic pipes and/or fittings made of PE, PP, and PVDF, can be operated in any complex work condition.
- Consists of basic frame, planing tool, heating plate
- Removable PTFE coated heating plate with separate temperature control system.
- Electric planing tool.
- Be made of lightweight and high strength material; simple structure, small and delicate, user friendly.



### **Technical Parameters**

<b>Model</b>	<b>SHDS160</b>	<b>SHDS200</b>
Pipe size (mm)	50.63.75.90.110.125.140.160	90-200
Heating plate max. Temp.	270°C	270°C
Temp. deviation in surface (170-250°C)	<±10°C	<±10°C
Working voltage	220V, 50hz	220V, 50hz
Heating plate power	1.0 KW	1.5 KW
Planing tool power	0.7 KW	0.7 KW
Total power	1.7 KW	2.2 KW
Weight	57 Kg	66 Kg
Packing dimension(mm)	680X520X510	500X470X620

# Field Welding Machines

**SHD800 SHD1000 SHD1200 SHD1600**

## Application and Features

- Suitable for butt welding of plastic pipes and /or fittings made of PE, PP, and PVDF in worksite or workshop.
- Consists of basic frame, hydraulic unit, planning tool, heating plate, support for planning tool & heating plate, and optional parts.
- Removable PTFE coated heating plate with high accurate temperature control system.
- Electrical planning tool with safty limit switch enables to start it only when it is locked in operation osition.
- Made of lightweight and high strength material. Designed with a clamp opening angle of 45 degree.
- Low starting pressure and high reliable seal structure.
- Changeable welding position enables to weld various fittings easier.
- Separate two-channel timer records time in soaking and cooling phases.
- High-accurate and shockproof pressure meter indicates clearer readings.

### Optional parts:

- Stub end device for flange stub.
- Data logger.



Stub end device for short flange



Crane



Data logger



## Technical Parameters

Model	SHD800	SHD1000	SHD1200	SHD1600	
Pipe size (mm)	450.500.560.630.710.800	630.710.800.900.1000	630.710.800.900.1000.1200	1000.1200.1400.1600	
Heating plate max. Temp.	270°C	270°C	270°C	270°C	
Temp. deviation in surface (170-250°C)	<±7°C	<±7°C	<±7°C	<±10°C	
Pressure adjustable ranges	0-16Mpa	0-16Mpa	0-16Mpa	0-25Mpa	
Planing power	12.5 KW	17.5 KW	21.5 KW	49.5 KW	
Working voltage	380V, 50HZ	380V, 50HZ	2380V, 50HZ	380V, 50HZ	
Heating plate power	2.2 KW	3 KW	4 KW	4.0 KW	
Planing tool power	1.5 KW	3.0 KW	3.0 KW	4.0 KW	
Crane power	0.5 KW	1 KW	1 KW	2.2 KW	
Total power	15.3 KW	24.5 KW	29.5 KW	59.7 KW	
Weight	1226 KG	2600 KG	3073 KG	5200 KG	
Packing dimension (mm)	Frame	2160X1560X1580	2600X1890X2000	3020X2220X2350	3800X2450X2480
	Support	1390X1110X1730	1400X1100X1550	1920X1420X2550	2450X2340X2080
	Hydraulic unit	760X510X640	860X510X660	860X510X660	860X510X660
	Electric crane	730X440X520	760X510X640	760X510X640	760X510X640
	Crane pillar	1930X660X420	1930X660X420	3120X770X850	3550X720X950

# **Field Welding Machines**

**SHD160 SHD250 SHD315**

## **Application and Features**

- Suitable for butt welding of plastic pipes and /or fittings made of PE, PP, and PVDF in worksite or workshop.
- Consists of basic frame, hydraulic unit, planing tool, heating plate, support for planing tool & heating plate, and optional parts.
- Removable PTFE coated heating plate with high accurate temperature control system.
- Electrical planing tool.
- Be made of lightweight and high strength material; simple structure, small and delicate, user friendly
- Low starting pressure ensures reliable welding quality of small pipes
- Changeable welding position enables to weld various fittings more easily.
- Separate two-channel timer records time in soaking and cooling phases.
- High-accurate and shockproof pressure meter indicates clearer readings.

### **Optional parts:**

- Stub end device for short flange
- Data logger



Stub end device for short flange



Data logger



## **Technical Parameters**

Model	SHD160	SHD250	SHD315
Pipe size (mm)	63.75.90.110.125.140.160	90.110.125.140.180.200.225.250	90.110.125.140.160.180.200.225.250.280.315
Heating plate max. Temp.	270°C	270°C	270°C
Temp. deviation in surface (170-250 C)	<±7°C	<±7°C	<±7°C
Pressure adjustable ranges	0-6.3Mpa	0-6.3Mpa	0-6.3Mpa
Working voltage	220V, 50hz	220V, 50hz	220V, 50hz
Heating plate power	1.5 KW	2.2 KW	3.5 KW
Planing tool power	0.7 KW	0.7 KW	0.7 KW
Hydraulic unit power	0.75 KW	0.75 KW	0.75 KW
Total power	2.95 KW	4.05 KW	5.35 KW
Weight	106 KG	143 KG	216 KG
Packing dimension (mm)	Frame	980X580X550	1120X710X720
	Support	590X550X720	780X630X750
	Hydraulic unit	740X490X570	740X490X570