

Manual Butt Fusion Welding Machine

SHDS 160T A2, SHDS 200T A2

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.
- Tool box.

SHDS 160T A2 and SHDS 200T A2 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 Parameter :

| Model | SHDS 160T A2 | SHDS 200T A2 |
|------------------------|--|--|
| Materials | HDPE - PP - PVDF | HDPE - PP - PVDF |
| Working Range | 40mm - 160mm | 50mm - 200mm |
| Reducing Insert Clamps | OD 40mm, 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm | OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm |
| Power Supply | 220 V \pm 10% | 220 V \pm 10% |
| Single Phase | 50 Hz | 50 Hz |
| Total Power | 1.710 Watt | 2.310 Watt |
| Heating Temperature | 150°C - 270°C | 150°C - 270°C |
| Total Weight (N.W/G.W) | 32 Kg / 36 Kg | 42 Kg / 45 Kg |

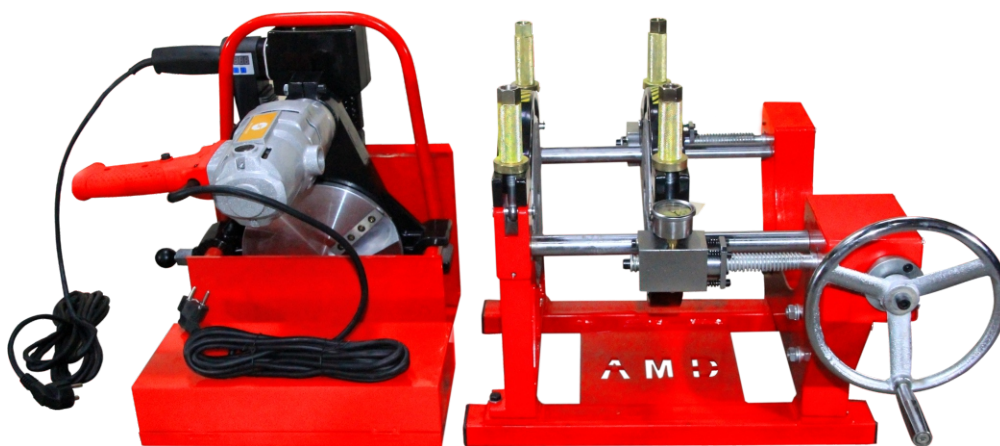
Manual Butt Fusion Welding Machine

SHDS 160L A2, SHDS 200L A2, SHDS 250L A2

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.
- Tool box.

SHDS 160L A2/SHDS 200L A2/SHDS 250L A2 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 160L A2 | SHDS 200L A2 | SHDS 250L A2 |
|------------------------|---|--|--|
| Materials | HDPE - PP - PVDF | HDPE - PP - PVDF | HDPE - PP - PVDF |
| Working Range | 40mm - 160mm | 50mm - 200mm | 63mm - 250mm |
| Reducing Insert Clamps | OD 40mm,50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm | OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm | OD 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm,200mm, 225mm. |
| Power Supply | 220 V ± 10% | 220 V ± 10% | 220 V ± 10% |
| Single Phase | 50 HZ | 50 HZ | 50 HZ |
| Total Power | 1.710 Watt | 2.310 Watt | 2.830 Watt |
| Heating Temperature | 150°C - 270°C | 150°C - 270°C | 150°C - 270°C |
| Total Weight (N.W/G.W) | 39 Kg/42,5 Kg | 43 Kg/45 Kg | 70 Kg/74Kg |

Manual Butt Fusion Welding Machine

SHDS 160Y A4, SHDS 200Y A4, SHDS 250Y A4

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.
- Tool box.

SHDS 160Y A4/SHDS 200Y A4/SHDS 250Y A4 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 160Y A4 | SHDS 200Y A4 | SHDS 250Y A4 |
|------------------------|--|--|---|
| Materials | HDPE - PP - PVDF | HDPE - PP - PVDF | HDPE - PP - PVDF |
| Working Range | 40mm - 160mm | 50mm - 200mm | 63mm - 250mm |
| Reducing Insert Clamps | OD 40mm, 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm | OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm | OD 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm, 200mm, 225mm. |
| Power Supply | 220 V \pm 10% | 220 V \pm 10% | 220 V \pm 10% |
| Single Phase | 50 HZ | 50 HZ | 50 HZ |
| Total Power | 1.710 Watt | 2.310 Watt | 2.830 Watt |
| Heating Temperature | 150°C - 270°C | 150°C - 270°C | 150°C - 270°C |
| Total Weight (N.W/G.W) | 41 Kg/44,8 Kg | 45,5 Kg/51,7 Kg | 80 Kg/84Kg |

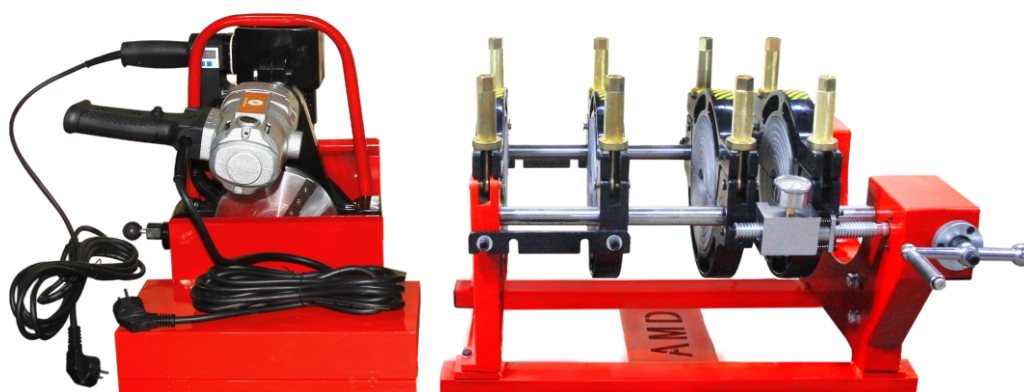
Manual Butt Fusion Welding Machine

SHDS 160L A4, SHDS 200L A4, SHDS 250L A4

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.
- Tool box.

SHDS 160L A4/SHDS 200L A4/SHDS 250L A4 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 160L A4 | SHDS 200L A4 | SHDS 250L A4 |
|------------------------|---|--|--|
| Materials | HDPE - PP - PVDF | HDPE - PP - PVDF | HDPE - PP - PVDF |
| Working Range | 40mm - 160mm | 50mm - 200mm | 63mm - 250mm |
| Reducing Insert Clamps | OD 40mm,50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm | OD 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm | OD 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm,200mm, 225mm. |
| Power Supply | 220 V \pm 10% | 220 V \pm 10% | 220 V \pm 10% |
| Single Phase | 50 HZ | 50 HZ | 50 HZ |
| Total Power | 1.710 Watt | 2.310 Watt | 2.830 Watt |
| Heating Temperature | 150°C - 270°C | 150°C - 270°C | 150°C - 270°C |
| Total Weight (N.W/G.W) | 51 Kg/55 Kg | 60 Kg/63,6 Kg | 115 Kg/120Kg |

Hydraulic Butt Fusion Welding Machine

SHD 160, SHD 250, SHD 315

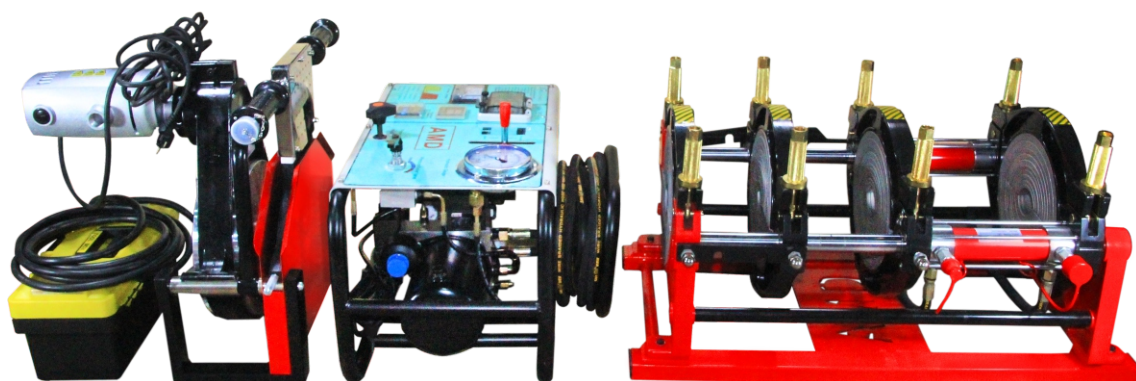
Application and Features:

- 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,SDH 250 and SHD 315 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 | 40mm - 160mm | 63mm - 250mm | 75mm - 315mm |
| Reducing Insert Clamps | OD 40mm, 50mm, 63mm, 75mm, 90mm,110mm, 125mm, 140mm. | OD 63mm,75mm,90mm, 110mm,125mm,140mm, 160mm,180mm,200mm,225. | OD 75mm, 90mm,110mm, 125mm, 140mm, 160mm, 180mm, 200mm, 225mm,250mm, 280mm. |
| Power Supply | 220 V ± 10% | 220 V ± 10% | 220 V ± 10% |
| Single Phase | 50 HZ | 50 HZ | 50 HZ |
| Total Power | 2.460 Watt | 3.850 Watt | 4.850 Watt |
| Working Temperature | 150°C - 270°C | 150°C - 270°C | 150°C - 270°C |
| Total Cylinder Area | 10.98 cm ² | 10.98 cm ² | 20.02 cm ² |
| Working Pressure Range | 0 Bar - 60 Bar | 0 Bar - 60 Bar | 0 Bar - 60 Bar |
| Total Weight (N.W/G.W) | 115 Kg/119 Kg | 127 Kg/132 Kg | 205 Kg/206 Kg |

Hydraulic Butt Fusion Welding Machine

SHD 450, SHD 630

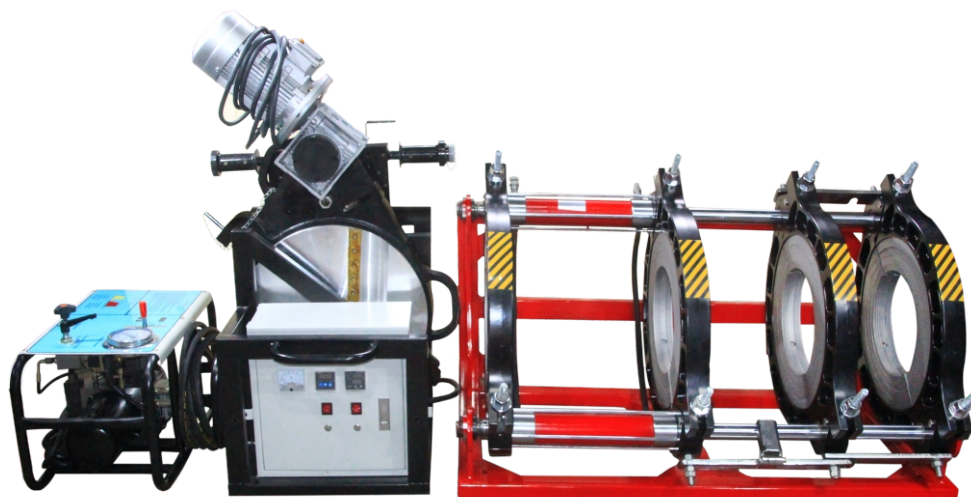
Application and Features:

- 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
- Electrical crane, Machine body trolley

SHD 450 and SHD 630 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 | 180mm - 450mm | 315mm - 630mm |
| Reducing Insert Clamps | OD 180mm, 200mm, 225mm, 250mm, 280mm, 315mm, 355mm, 400mm. | OD 315mm, 355mm, 400mm, 450mm, 500mm, 560mm |
| Power Supply | 380 V | 380 V |
| Single Phase | 50HZ | 50HZ |
| Total Power | 8.200 Watt | 12.200 Watt |
| Working Temperature | 150°C - 270°C | 150°C - 270°C |
| 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) | 383 Kg/405 Kg | 540 Kg/635 Kg |

Hydraulic Butt Fusion Welding Machine

SHD 800, SHD 1000, SHD 1200

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
- Electrical crane,Machine body trolley

SHD 800,SDH 1000 and SHD 1200 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 | 450mm - 800mm | 800mm - 1000mm | 1000mm - 1200mm |
| Reducing Insert Clamps | OD 500mm, 630mm, 710mm, | OD 800mm, 900mm | OD 1000mm |
| Power Supply | 380 V | 380 V | 380 V |
| Single Phase | 50 HZ | 50 HZ | 50 HZ |
| Total Power | 15.100 Watt | 20.000 Watt | 23.000 Watt |
| Working Temperature | 150°C - 270°C | 150°C - 270°C | 150°C - 270°C |
| Total Cylinder Area | 43.98 cm ² | 80.1 cm ² | 98.96 cm ² |
| Working Pressure Range | 0 Bar - 100 Bar | 0 Bar - 100 Bar | 0 Bar - 100 Bar |
| Total Weight (N.W/G.W) | 1105 Kg/1300 Kg | 1900 Kg/2200 Kg | 2745 Kg/3000 Kg |

Electro Fusion Welding Machine

EF 315, EF 500, EF 630, EF 1000

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, EF 500 and EF 630 series is designed as economical model, it is suitable for welding HDPE, PP, PPR couplings.



EF 315, EF 500

EF 500, EF 630, EF 1000



Technical Parameters:

| Model | EF 315 | EF 500 | EF 630 | EF 1000 |
|-----------------------------|-------------------|-------------------|-------------------|-------------------|
| Welding Range | OD 20mm-315mm | OD 20mm-500mm | OD 20mm-630mm | OD 20mm-1000mm |
| Power Supply | 220 VAC | 380 VAC | 380 VAC | 380 VAC |
| Frequency | 50/60 HZ | 50/60 HZ | 50/60 HZ | 50/60 HZ |
| Max. Output Welding Voltage | 75.0V | 150.0V | 170.0V | 210.0V |
| Max. Output Welding Current | 55.0A | 60.0A | 80.0A | 80.0A |
| Max. Absorbed Power | 3.500 Watt | 8.000 Watt | 12.000 Watt | 15.000 Watt |
| Memory Capacity | 500 Report | 500 Report | 500 Report | 500 Report |
| Weight | 9,5 KG | 29,5 KG | 31 KG | 31 KG |
| Machine Dimension | 352 x 188 x 341mm | 480 x 273 x 440mm | 480 x 273 x 440mm | 480 x 273 x 440mm |

Socket Fusion Welding 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 |