



POLY FUSION EQUIPMENT

CATALOG

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SHD8"/2" ASTM Standard Hydraulic Butt Fusion Welding Machine



Technical Specification



- ◆ Welding ranges: plastic pipes: 2"/8" (2"-2 1/2"-3"-4"-5"-6"-8")
- ◆ Ranges of application: PE, PP and PVDF
- ◆ Max. wall thickness:SDR7
- ◆ Working voltage: ~220V ±10%, 60Hz, 3 phases
- ◆ Total power: 4.4kW, including: heating plate: 2.0 kW, hydraulic unit motor: .2.2KW
- ◆ Cylinder area:10.98cm²
- ◆ Max. Pressure:120bar
- ◆ PTFE coated heating plate
- ◆ Difference in heating plate surface temperature ≤±5°.
- ◆ Environment temperature: -10° ~ 45°
- ◆ Whole machine consists of basic frame, heating plate, planing tool, hydraulic unit and support (for planing tool & heating plate)

Item	Dimension with packing (mm)	N.W (kg)	G.W (kg)	Remark
1	1030x650x690	104	124	Basic frame; stub device (include liner 2"-6")
2	640X570X690	41	61	Heating plate, planing tool, support, tool box with attachments
3	850x750x850	85	125	Hydraulic unit
Total	1.256CBM	230	310	

SHD12"/3" ASTM Standard Hydraulic Butt Fusion Welding Machine



Technical Specification



- ◆ Welding ranges: plastic pipes: 3"—12" (3"-4"-5"-6"-8"-10"-12")
- ◆ Ranges of application: PE, PP and PVDF
- ◆ Max. wall thickness:SDR7
- ◆ Working voltage: ~220V ±10%, 60Hz Three phases;
- ◆ Total power: 5.2 kW, including: planing tool: Hydraulic, heating plate: 3.0 kW, hydraulic unit motor:2.2KW
- ◆ Cylinder area:20cm²
- ◆ Max. Pressure:120bar
- ◆ PTFE coated heating plate
- ◆ Difference in heating plate surface temperature ≤±5°.
- ◆ Environment temperature: -10° ~ 45°
- ◆ Whole machine consists of basic frame, heating plate, planing tool, hydraulic unit and support (for planing tool & heating plate)

Item	Dimension with packing (mm)	N.W (kg)	G.W (kg)	Remark
1	1050x750x900	154	184	Basic frame; stub device (include liner 3"-10")
2	640X600X750	60	83	Heating plate, planing tool, support, tool box with attachments
3	850x750x850	85	125	Hydraulic unit
Total	1.629	299	392	

SHD18"/8" ASTM Standard Hydraulic Butt Fusion Welding Machine



Technical Specification



- ◆ Welding ranges: plastic pipes: 8"-10"-12"-14"-16"-18"
- ◆ Ranges of application: PE, PP and PVDF
- ◆ Max. wall thickness:SDR7
- ◆ Working voltage: ~220V ±10%, 60Hz, 3 phases

Total power: 10.88 kW, including: heating plate: 5.38kW, hydraulic unit motor: 5.5kW, Crane hoist (Optional):0.8KW

- ◆ Cylinder area:37.7cm²
- ◆ Max. Pressure:160bar
- ◆ PTFE coated heating plate
- ◆ Difference in heating plate surface temperature ≤±7°.
- ◆ Environment temperature: -10° ~ 45° ;
- ◆ Electronic count-down timer for heating and cooling time ;
- ◆ Whole machine consists of basic frame, heating plate, planing tool, hydraulic unit and support (for planing tool & heating plate), crane with hoist (Optional)

Item	Dimension with packing (mm)	N.W (kg)	G.W (kg)	Remark
1	1500×1150×1050	463	540	Basic frame ,liner (8"/16")
2	1000×850×950	160	209	Hydraulic unit
3	1000×850×1300	180	238	Heating plate,planing tool, support, attachments and fittings
4	590×330×510	42	50	Motor hoist, crane
Total	3.823CBM	803	987	

SHD24"/12" Hydraulic Butt Fusion Welding Machine



Technical Specification



- ◆ Welding ranges: plastic pipes: 12"—24" (12"-14"-16"-18"-20"-22"-24)
- ◆ Ranges of application: PE, PP and PVDF
- ◆ Max. wall thickness:SDR7
- ◆ Working voltage: ~220V ±10%, 60Hz, 3phases

Total power: 14.85 kW, including: heating plate: 9.35kW, hydraulic unit motor: 5.5kW, Crane hoist (Optional):0.8KW

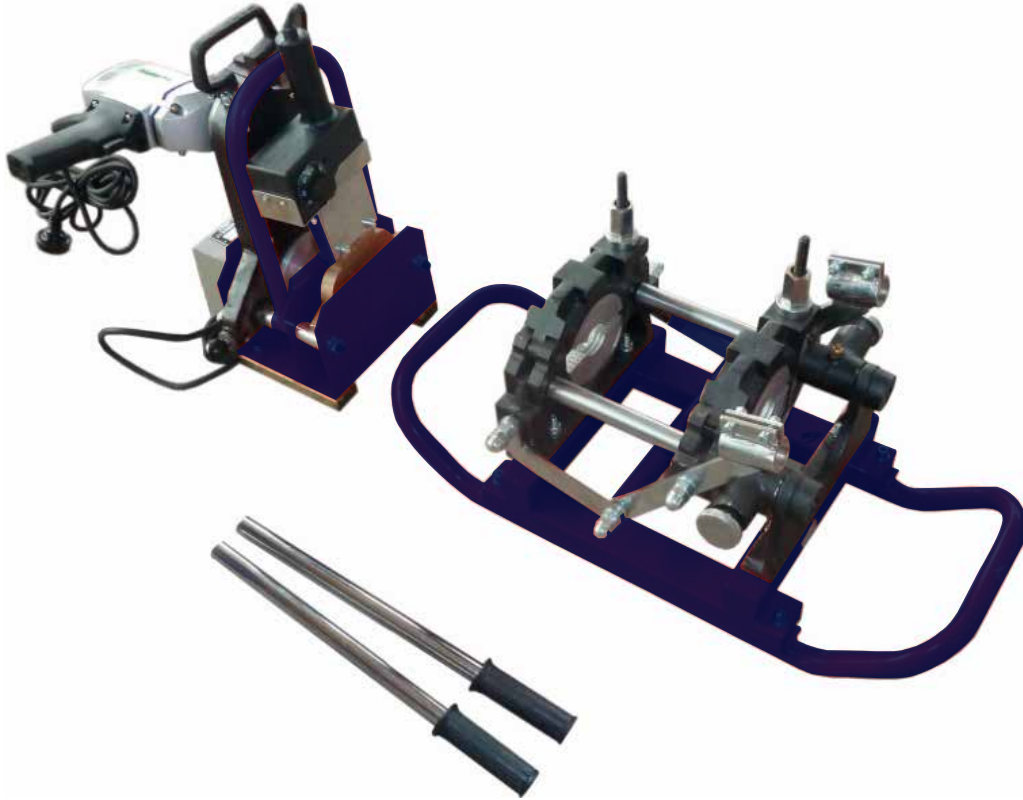
- ◆ Cylinder area:64.89cm²
- ◆ Max. Pressure:160bar
- ◆ PTFE coated heating plate
- ◆ Difference in heating plate surface temperature ≤±7°.
- ◆ Environment temperature: -10° ~ 45° ;
- ◆ Electronic count-down timer for heating and cooling time ;
- ◆ Whole machine consists of basic frame, heating plate, planing tool, hydraulic unit and support (for planing tool & heating plate), crane with hoist (Optional)

Item	Dimension with packing (mm)	N.W (kg)	G.W (kg)	Remark
1	1650×1240×1240	770	895	Basic frame ,liner (24'/12")
2	770×480×590	160	209	Hydraulic unit
3	1150×840×1640	280	346	Heating plate,planing tool, support, attachments and fittings
4	590×330×510	42	50	Motor hoist, crane
Total	5.264CBM	1260	1500	

Manual Butt Fusion Welding Machine SHDS4"/1 1/4"



Technical Specification



- ◆ Welding ranges: plastic pipes: 1 1/4" to 4"
(1 1/4"–1 1/2"–2"–2 1/2"–3"–4")
- ◆ Range of application: PE, PP and PVDF
- ◆ Working voltage: ~120V ±10%, 60Hz

Total power: 1.4kW , including: planing tool: 0.7 kW, heating plate: 0.7 kW

- ◆ PTFE coated heating plate, adjustable temperature control knob, difference in heating plate surface temperature $\leq \pm 3^\circ$, handy operation.
- ◆ Environment temperature: $-10^\circ \sim 45^\circ$
- ◆ Whole machine consists of basic frame, heating plate, planing tool, and support (for planing tool & heating plate)

Item	Dimension with packing (mm)	N.W (KG)	G.W (KG)	Remark
1	800×450×650	40	52	Basic frame (include liner 1 1/4"-3") , heating plate、 support、 planing tool, accessories
Total	0.234CBM	40	52	

Manual Butt Fusion Welding Machine SHDS6"/2"A4



Technical Specification



- ◆ Welding ranges: plastic pipes: 2"–6" (2"–2 1/2"–3"–4"–5"–6")
- ◆ Ranges of application: PE, PP and PVDF
- ◆ Working voltage: ~120V ±10%, 60Hz
- ◆ Total power: 1.7 kW , including: planing tool: 0.7 kW, heating plate: 1 kW
- ◆ PTFE coated heating plate, adjustable temperature control knob, difference in surface temperature $\leq \pm 3^\circ$, handy operation.
- ◆ Environment temperature: $-10^\circ \sim 45^\circ$
- ◆ Whole machine consists of basic frame, heating plate, planing tool, and support (for planing tool & heating plate)

Item	Dimension with packing (mm)	N.W (KG)	G.W (KG)	Remark
1	820×520×520	48	64	Basic frame (include liner 2"~5")
2	470×420×620	20	29	Heating plate, planing tool, support, attachments
Total	0.344CBM	68	93	

Manual Butt Fusion Welding Machine SHDS8''/2''A4



Technical Specification



- ◆ Welding ranges: plastic pipes: 2"–8" (2"–2 1/2"–3"–4"–5"–6"–8")
- ◆ Ranges of application: PE, PP and PVDF
- ◆ Working voltage: ~120V ±10%, 60Hz
Total power: 3.1 kW, including: planing tool: 1.1 kW, heating plate: 2kW
- ◆ PTFE coated heating plate, adjustable temperature control knob, difference in surface temperature $\leq \pm 3^\circ$, handy operation.
- ◆ Environment temperature: $-10^\circ \sim 45^\circ$
- ◆ Whole machine consists of basic frame, heating plate, planing tool, and support (for planing tool & heating plate)

Item	Dimension with packing (mm)	N.W (KG)	G.W (KG)	Remark
1	880×610×710	49	63	Basic frame (include liner 2"-6")
2	560×540×730	22	33	Heating plate, planing tool, support, attachments
Total	0.602CBM	91	117	

CNC Plastic Pipes Fitting Fusion Welding Machine SHG12"/3"



Technical Specification



- ◆ Ranges of tee/cross/elbow: 3"-12" (3"-4"-5"-6"-8"-10"-12")
- ◆ Ranges of application: PE, PP and PVDF
- ◆ Working voltage: ~480V ±10%, 60Hz

Total power: 7.25kW , including: planing tool motor: 0.75 kW, heating plate: 5.0 kW, hydraulic unit motor: 1.5 kW (fitting clamps (Y shape fitting clamps, narrow clamps, steel stub device included) are provided as requested)

- ◆ Total section of cylinders: 12.56cm²
- ◆ PTFE coated heating plate, high accuracy temperature controller, difference in heating plate surface temperature ≤±5°;Environment temperature: -10° ~ 45°
- ◆ Automatic welding machine with printing function, touch controlled screen
- ◆ Whole machine consists of four parts: basic frame (including: heating plate, planing tool, and hydraulic system), elbow clamps, tee clamps, and cross clamps

Item	Dimension with packing (mm)	N.W (kg)	G.W (kg)	Remark
1	1350×1130×1630	600	710	Basic frame, attachments and fittings
2	800×430×540	90	100	Cross/Tee inserts(1)
3	800×430×540	90	100	Cross/Tee inserts(2)
4	590×370×510	65	90	Elbow inserts
Total	2.970 CBM	845	1000	

Plastic Pipes Band Saw SJC--24''

Technical Specification



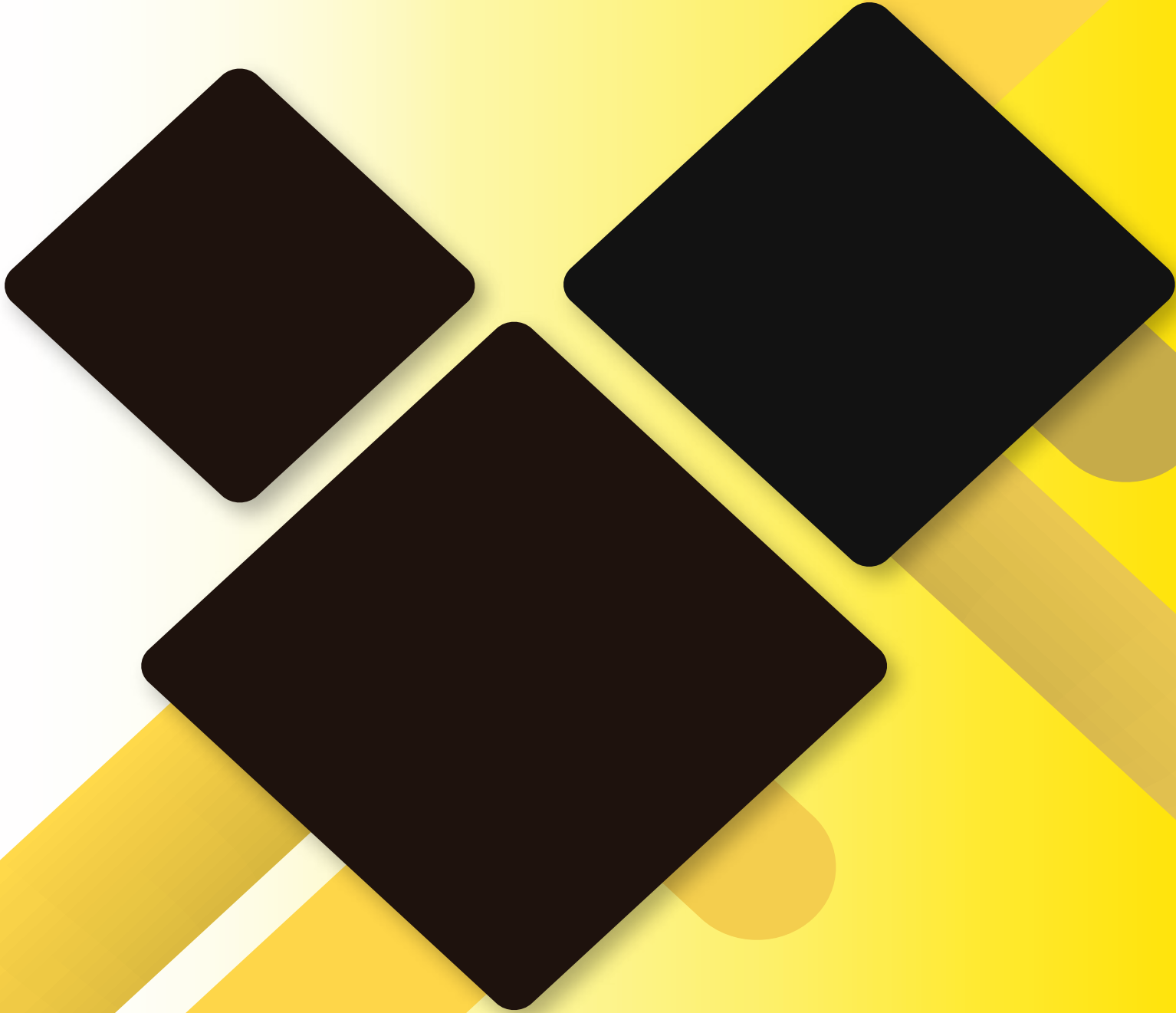
- ◆ Maximum range: 24''
- ◆ Ranges of application: PE, PP and PVDF
- ◆ Cutting angles: 0°~ 67.5°
- ◆ Working voltage: ~480V ±10%, 60Hz

Total power: 3.7 kW, including: drive motor: 2.2kW, hydraulic unit motor: 1.5kW

- ◆ Max. line speed: 195m/min
- ◆ Environment temperature: 10° ~ 45°

The whole machine consists of basic frame, support and press bar

Item	Dimension with packing (mm)	N.W (kg)	G.W (kg)	Remark
1	3250×2050×1850mm	3100	3500	Basic frame Saw box
Total	12.326CBM	3100	3500	



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