

Sheet Butt Fusion Welding Machine

SWT-PH Series

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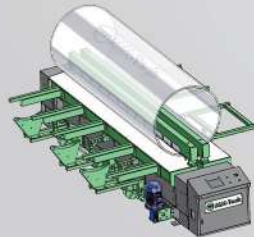
SWT-PH SERIES

New steel structure, the mechanical synchronous transmission technology, through the SMC Electric Proportional Valve, pressure in the weld region to achieve uniform.

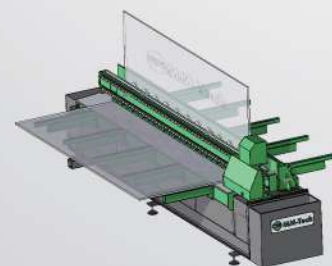
- High-density locking clamps that provide a homogeneous pressure distribution
- Compliant with welding standards DVS 2207. Suitable for all types of thermoplastic sheets (PE, PP, PVC, PVDF, PC, ABS, Acrylic).
- The Control system adopts Siemens / Mitsubishi PLC, with 10-inch touch screen.
- Built-in welding pressure and temperature can be selected according to material type and thickness.
- Weldable thicknesses: 3-50mm, hollow sheet up to 80mm.
- LED lights through the entire welding area.



Horizontal Welding



Circular Welding



90° Vertical Jointing

APPLICATION



Plating Tanks



Scrubber



Ventilation Systems



Water Containers



Swimming Pool



Water Tank



Aquaculture



Water Treatment Systems

SHEET BUTT FUSION MACHINES SWT-PH1500

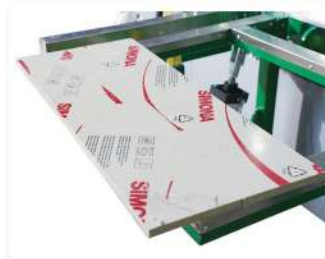
This plastic sheet welding machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding, but also support 90° vertical jointing of the sheets on customer's request.



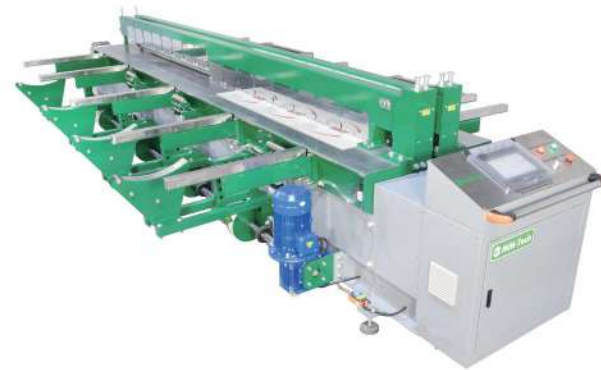
2 Basic Functions



Welding Circular



Welding Line



Optional accessories



Automatic Sheet Rolling Devices



90° Angle Device

Features

- ✓ Compliant with the welding standard DVS2207
- ✓ Automatic welding system
- ✓ Hinge connection welding more accurately
- ✓ Wireless remote control for belt's motor
- ✓ Full automatic clamp for rolling
- ✓ Pneumatic Locking Clamps
- ✓ Dual digital display thermostat
- ✓ The equipment used the best components of Festo, Siemens, and Schneider Electric
- ✓ High-precision positioning of the sheet, stable and repeatable heating, leveling, and welding straight line
- ✓ Multi-point control clamp lifting
- ✓ Heating Plate Teflon was Coated by Dupont
- ✓ Optional rocker arm device / column device
- ✓ Siemens / Mitsubishi PLC with 10-inch touch screen
- ✓ Weldable thickness 2-15mm

Specifications

Weldable Materials	PE, PP, PVC, PVDF, PC, ABS, Acrylic Twin Wall sheets
Max. Working Length (mm)	1500mm
Weldable thickness (mm)	2-15mm
Min. cylinder diameter (mm)	280mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	3kW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm ²
Motor of cylinder	2.2kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

SHEET BUTT FUSION MACHINES SWT-PH2000

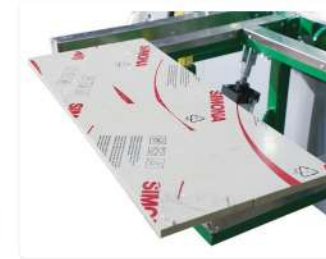
This plastic sheet welding machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding, but also support 90° vertical jointing of the sheets on customer's request.



2 Basic Functions



Welding Circular



Welding Line



Optional accessories



Automatic Sheet Rolling Devices



90° Angle Device

Features

- ✓ Compliant with the welding standard DVS2207
- ✓ Automatic welding system
- ✓ Hinge connection welding more accurately
- ✓ Wireless remote control for belt's motor
- ✓ Full automatic clamp for rolling
- ✓ Pneumatic Locking Clamps
- ✓ Dual digital display thermostat
- ✓ The equipment used the best components of Festo, Siemens, and Schneider Electric
- ✓ High-precision positioning of the sheet, stable and repeatable heating, leveling, and welding straight line
- ✓ Multi-point control clamp lifting
- ✓ Heating Plate Teflon was Coated by Dupont
- ✓ Optional rocker arm device / column device
- ✓ Siemens / Mitsubishi PLC with 10-inch touch screen
- ✓ Weldable thickness 3 - 25 mm

Specifications

Weldable Materials	PE, PP, PVC, PVDF, PC, ABS, Acrylic Twin Wall sheets
Max. Working Length (mm)	2000mm
Weldable thickness (mm)	3-25mm
Min. cylinder diameter (mm)	350mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	4kW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm ²
Motor of cylinder	2.2kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

SHEET BUTT FUSION MACHINES SWT-PH3000

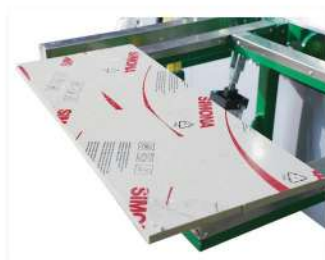
This plastic sheet welding machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding, but also support 90° vertical jointing of the sheets on customer's request.



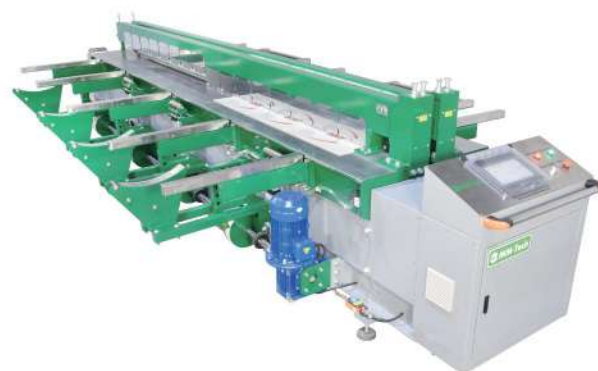
2 Basic Functions



Welding Circular



Welding Line



Optional accessories



Automatic Sheet Rolling Devices



90° Angle Device

Features

- ✓ Compliant with the welding standard DVS2207
- ✓ Automatic welding system
- ✓ Hinge connection welding more accurately
- ✓ Wireless remote control for belt's motor
- ✓ Full automatic clamp for rolling
- ✓ Pneumatic Locking Clamps
- ✓ Dual digital display thermostat
- ✓ The equipment used the best components of Festo, Siemens, and Schneider Electric
- ✓ High-precision positioning of the sheet, stable and repeatable heating, leveling, and welding straight line
- ✓ Multi-point control clamp lifting
- ✓ Heating Plate Teflon was Coated by Dupont
- ✓ Optional rocker arm device / column device
- ✓ Siemens / Mitsubishi PLC with 10-inch touch screen
- ✓ Weldable thickness 3 - 50 mm

Specifications

Weldable Materials	PE, PP, PVC, PVDF, PC, ABS, Acrylic Twin Wall sheets
Max. Working Length (mm)	3000mm
Weldable thickness (mm)	Hard Sheet: 3-50mm Hollow Sheet: Up to 80mm
Min. cylinder diameter (mm)	350mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	6kW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm ²
Motor of cylinder	4.4kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

SHEET BUTT FUSION MACHINES SWT-PH4000

This plastic sheet welding machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding, but also support 90° vertical jointing of the sheets on customer's request.



2 Basic Functions



Welding Circular



Welding Line



Optional accessories



Automatic Sheet Rolling Devices



90° Angle Device

Features

- ✓ Compliant with the welding standard DVS2207
- ✓ Automatic welding system
- ✓ Hinge connection welding more accurately
- ✓ Wireless remote control for belt's motor
- ✓ Full automatic clamp for rolling
- ✓ Pneumatic Locking Clamps
- ✓ Dual digital display thermostat
- ✓ The equipment used the best components of Festo, Siemens, and Schneider Electric
- ✓ High-precision positioning of the sheet, stable and repeatable heating, leveling, and welding straight line
- ✓ Multi-point control clamp lifting
- ✓ Heating Plate Teflon was Coated by Dupont
- ✓ Optional rocker arm device / column device
- ✓ Siemens / Mitsubishi PLC with 10-inch touch screen
- ✓ Weldable thickness 3 - 50 mm

Specifications

Weldable Materials	PE, PP, PVC, PVDF, PC, ABS, Acrylic Twin Wall sheets
Max. Working Length (mm)	4000mm
Weldable thickness (mm)	Hard Sheet: 3-50mm Hollow Sheet: Up to 80mm
Min. cylinder diameter (mm)	500mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	9kW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm ²
Motor of cylinder	4.4kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

SHEET BUTT FUSION MACHINES SWT-PH4500

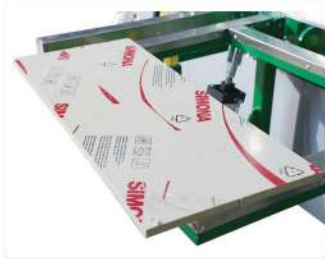
This plastic sheet welding machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding, but also support 90° vertical jointing of the sheets on customer's request.



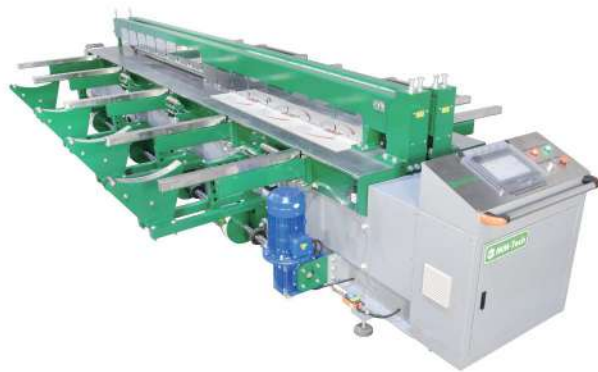
2 Basic Functions



Welding Circular



Welding Line



Optional accessories



Automatic Sheet Rolling Devices



90° Angle Device

Features

- ✓ Compliant with the welding standard DVS2207
- ✓ Automatic welding system
- ✓ Hinge connection welding more accurately
- ✓ Wireless remote control for belt's motor
- ✓ Full automatic clamp for rolling
- ✓ Pneumatic Locking Clamps
- ✓ Dual digital display thermostat
- ✓ The equipment used the best components of Festo, Siemens, and Schneider Electric
- ✓ High-precision positioning of the sheet, stable and repeatable heating, leveling, and welding straight line
- ✓ Multi-point control clamp lifting
- ✓ Heating Plate Teflon was Coated by Dupont
- ✓ Optional rocker arm device / column device
- ✓ Siemens / Mitsubishi PLC with 10-inch touch screen
- ✓ Weldable thickness 3 - 50 mm

Specifications

Weldable Materials	PE, PP, PVC, PVDF, PC, ABS, Acrylic Twin Wall sheets
Max. Working Length (mm)	4500mm
Weldable thickness (mm)	Hard Sheet: 3-50mm Hollow Sheet: Up to 80mm
Min. cylinder diameter (mm)	500mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	9kW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm²
Motor of cylinder	4.4kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

SHEET BUTT FUSION MACHINES SWT-PH5000

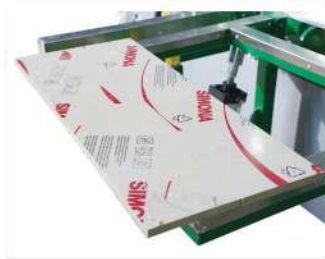
This plastic sheet welding machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding, but also support 90° vertical jointing of the sheets on customer's request.



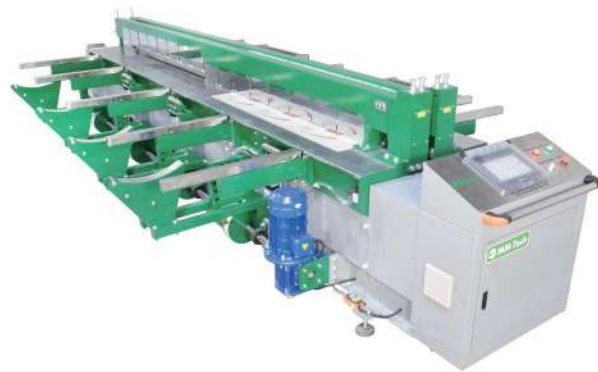
2 Basic Functions



Welding Circular



Welding Line



Optional accessories



Automatic Sheet Rolling Devices



90° Angle Device

Features

- ✓ Compliant with the welding standard DVS2207
- ✓ Automatic welding system
- ✓ Hinge connection welding more accurately
- ✓ Wireless remote control for belt's motor
- ✓ Full automatic clamp for rolling
- ✓ Pneumatic Locking Clamps
- ✓ Dual digital display thermostat
- ✓ The equipment used the best components of Festo, Siemens, and Schneider Electric
- ✓ High-precision positioning of the sheet, stable and repeatable heating, leveling, and welding straight line
- ✓ Multi-point control clamp lifting
- ✓ Heating Plate Teflon was Coated by Dupont
- ✓ Optional rocker arm device / column device
- ✓ Siemens / Mitsubishi PLC with 10-inch touch screen
- ✓ Weldable thickness 3 - 50 mm

Specifications

Weldable Materials	PE, PP, PVC, PVDF, PC, ABS, Acrylic Twin Wall sheets
Max. Working Length (mm)	5000mm
Weldable thickness (mm)	Hard Sheet: 3-50mm Hollow Sheet: Up to 80mm
Min. cylinder diameter (mm)	550mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	9kW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm²
Motor of cylinder	4.4kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

SHEET BUTT FUSION MACHINES SWT-PH6000

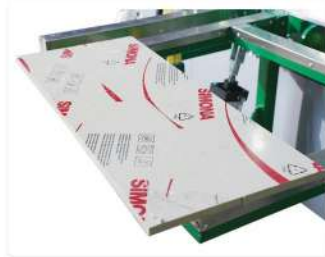
This plastic sheet welding machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding, but also support 90° vertical jointing of the sheets on customer's request.



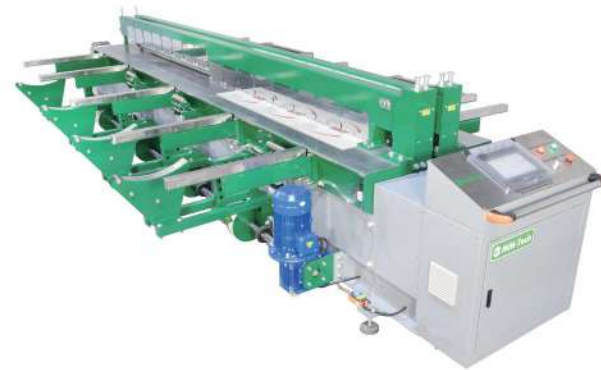
2 Basic Functions



Welding Circular



Welding Line



Optional accessories



Automatic Sheet Rolling Devices



90° Angle Device

Features

- ✓ Compliant with the welding standard DVS2207
- ✓ Automatic welding system
- ✓ Hinge connection welding more accurately
- ✓ Wireless remote control for belt's motor
- ✓ Full automatic clamp for rolling
- ✓ Pneumatic Locking Clamps
- ✓ Dual digital display thermostat
- ✓ The equipment used the best components of Festo, Siemens, and Schneider Electric
- ✓ High-precision positioning of the sheet, stable and repeatable heating, leveling, and welding straight line
- ✓ Multi-point control clamp lifting
- ✓ Heating Plate Teflon was Coated by Dupont
- ✓ Optional rocker arm device / column device
- ✓ Siemens / Mitsubishi PLC with 10-inch touch screen
- ✓ Weldable thickness 3 - 50 mm

Specifications

Weldable Materials	PE, PP, PVC, PVDF, PC, ABS, Acrylic Twin Wall sheets
Max. Working Length (mm)	6000mm
Weldable thickness (mm)	Hard Sheet: 3-50mm Hollow Sheet: Up to 80mm
Min. cylinder diameter (mm)	600mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	12kW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm ²
Motor of cylinder	4.4kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

SHEET BUTT FUSION MACHINES SWT-PH7000

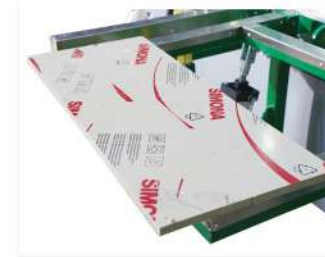
This plastic sheet welding machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding, but also support 90° vertical jointing of the sheets on customer's request.



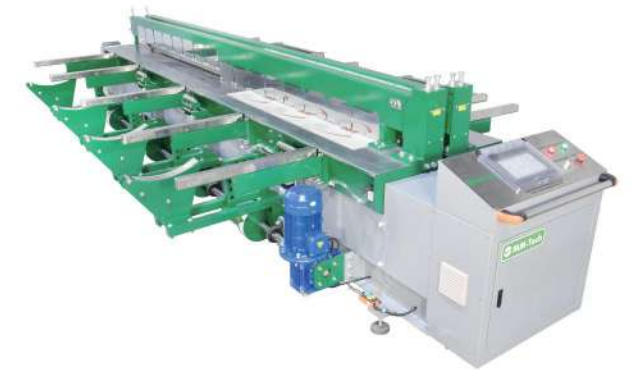
2 Basic Functions



Welding Circular



Welding Line



Optional accessories



Automatic Sheet Rolling Devices



90° Angle Device

Features

- ✓ Compliant with the welding standard DVS2207
- ✓ Automatic welding system
- ✓ Hinge connection welding more accurately
- ✓ Wireless remote control for belt's motor
- ✓ Full automatic clamp for rolling
- ✓ Pneumatic Locking Clamps
- ✓ Dual digital display thermostat
- ✓ The equipment used the best components of Festo, Siemens, and Schneider Electric
- ✓ High-precision positioning of the sheet, stable and repeatable heating, leveling, and welding straight line
- ✓ Multi-point control clamp lifting
- ✓ Heating Plate Teflon was Coated by Dupont
- ✓ Optional rocker arm device / column device
- ✓ Siemens / Mitsubishi PLC with 10-inch touch screen
- ✓ Weldable thickness 3 - 50 mm

Specifications

Weldable Materials	PE, PP, PVC, PVDF, PC, ABS, Acrylic Twin Wall sheets
Max. Working Length (mm)	7000mm
Weldable thickness (mm)	Hard Sheet: 3-50mm Hollow Sheet: Up to 80mm
Min. cylinder diameter (mm)	700mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	12kW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm ²
Motor of cylinder	4.4kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC