



## Sheet Butt Fusion & Bending Welding Machine

**SWT-PZ Series**

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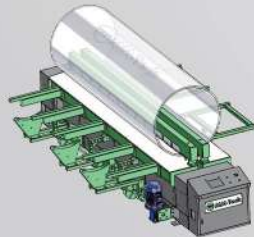
## SWT-PZ SERIES

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. Bending thickness: 3-25mm.
- LED lights through the entire welding area.



Horizontal Welding



Circular Welding



0 - 95° Bending

## APPLICATION



Plating Tanks



Scrubber



Ventilation Systems



Water Containers



Swimming Pool



Water Tank



Aquaculture



Water Treatment Systems



# PLASTIC SHEET WELDING & BENDING MACHINE SWT-PZ1500

This plastic sheet welding & bending machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding of the sheets, but also support 0 to 95° bending by one sheet.



## 3 Basic Functions



Welding Circular



Welding Line



0 - 95° Bending by one sheet



## Optional accessories



Automatic Sheet Rolling Devices



## 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
Bending thickness	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 <sup>2</sup>
Motor of cylinder	2.2kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

# PLASTIC SHEET WELDING & BENDING MACHINE SWT-PZ2000

This plastic sheet welding & bending machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding of the sheets, but also support 0 to 95° bending by one sheet.



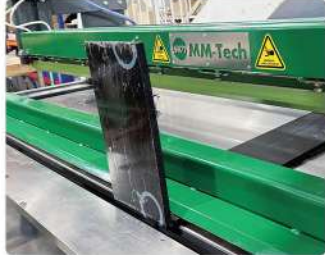
## 3 Basic Functions



Welding Circular



Welding Line



0 - 95° Bending by one sheet



## Optional accessories



Automatic Sheet Rolling Devices



## 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
Bending thickness	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 <sup>2</sup>
Motor of cylinder	2.2kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC



# PLASTIC SHEET WELDING & BENDING MACHINE SWT-PZ3000

This plastic sheet welding & bending machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding of the sheets, but also support 0 to 95° bending by one sheet.



## 3 Basic Functions



Welding Circular



Welding Line



0 - 95° Bending by one sheet



## Optional accessories



Automatic Sheet Rolling Devices



## 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 thicknesses:3-50mm, hollow sheet up to 80mm

## 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
Bending thickness	3-25mm
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/cm²
Motor of cylinder	4.4kw
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

# PLASTIC SHEET WELDING & BENDING MACHINE SWT-PZ4000

This plastic sheet welding & bending machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding of the sheets, but also support 0 to 95° bending by one sheet.



## 3 Basic Functions



Welding Circular



Welding Line



0 - 95° Bending by one sheet



## Optional accessories



Automatic Sheet Rolling Devices



## 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 thicknesses:3-50mm, hollow sheet up to 80mm

## 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
Bending thickness	3-25mm
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



## PLASTIC SHEET WELDING & BENDING MACHINE SWT-PZ4500

This plastic sheet welding & bending machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding of the sheets, but also support 0 to 95° bending by one sheet.



### 3 Basic Functions



Welding Circular



Welding Line



0 - 95° Bending by one sheet



### Optional accessories



Automatic Sheet Rolling Devices



### 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 thicknesses: 3-50mm, hollow sheet up to 80mm

### 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
Bending thickness	3-25mm
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 <sup>2</sup>
Motor of cylinder	4.4KW
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

## PLASTIC SHEET WELDING & BENDING MACHINE SWT-PZ5000

This plastic sheet welding & bending machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding of the sheets, but also support 0 to 95° bending by one sheet.



### 3 Basic Functions



Welding Circular



Welding Line



0 - 95° Bending by one sheet



### Optional accessories



Automatic Sheet Rolling Devices



### 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 thicknesses: 3-50mm, hollow sheet up to 80mm

### 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
Bending thickness	3-25mm
Min. cylinder diameter (mm)	500mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	10KW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm <sup>2</sup>
Motor of cylinder	4.4KW
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC



# PLASTIC SHEET WELDING & BENDING MACHINE SWT-PZ6000

This plastic sheet welding & bending machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding of the sheets, but also support 0 to 95° bending by one sheet.



## 3 Basic Functions



Welding Circular



Welding Line



0 - 95° Bending by one sheet



## Optional accessories



Automatic Sheet Rolling Devices



## 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 thicknesses:3-50mm, hollow sheet up to 80mm

## 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
Bending thickness	3-25mm
Min. cylinder diameter (mm)	600mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	10KW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm <sup>2</sup>
Motor of cylinder	4.4KW
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC

# PLASTIC SHEET WELDING & BENDING MACHINE SWT-PZ7000

This plastic sheet welding & bending machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding of the sheets, but also support 0 to 95° bending by one sheet.



## 3 Basic Functions



Welding Circular



Welding Line



0 - 95° Bending by one sheet



## Optional accessories



Automatic Sheet Rolling Devices



## 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 thicknesses:3-50mm, hollow sheet up to 80mm

## 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
Bending thickness	3-25mm
Min. cylinder diameter (mm)	700mm
Pressure setting method	Digital
Pressure Controller	SMC electric proportional valve
Power consumption (kW)	10KW
Power supply	380V/415V 3P 50/60Hz
Compressed air connection (bar)	6-8 kg/cm <sup>2</sup>
Motor of cylinder	4.4KW
Sheet Locking Clamps	Pneumatic
Welding System	CNC
Display	10 inch WEINVIEW
Hardware Control Panel	SIEMENS / MITSUBISHI PLC