

# Sheet Butt Fusion Welding Machine

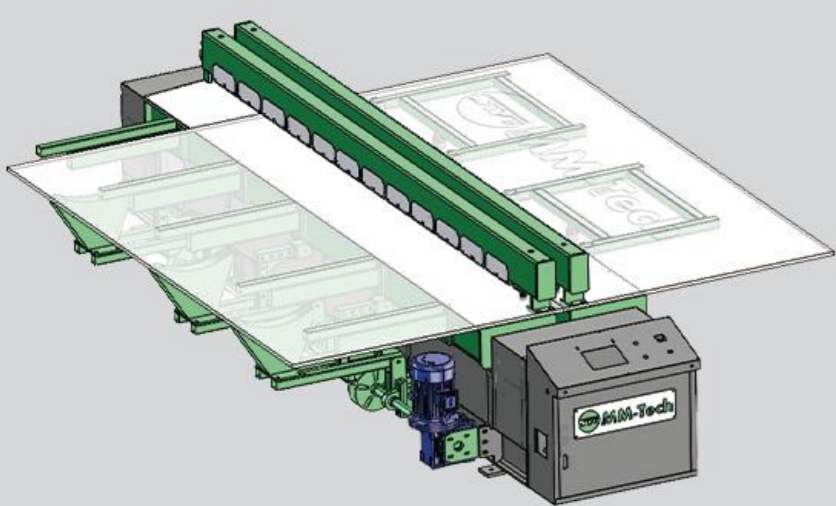
**SWT-PH Series**



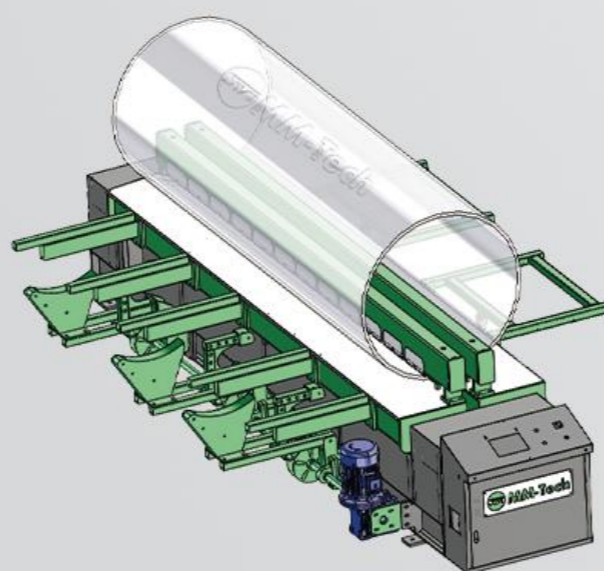
## SWT-PH SERIES

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

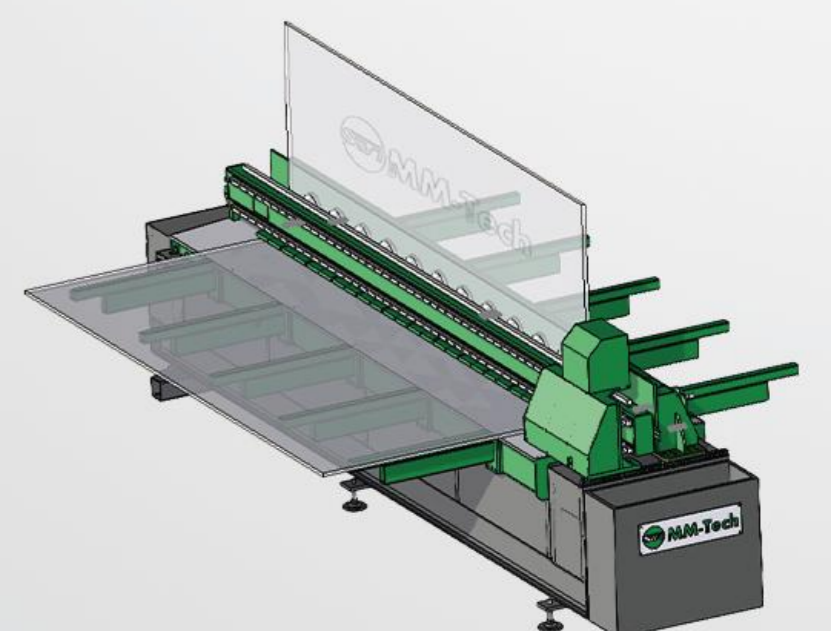
- High-density locking clamps that provide a homogeneous pressure distribution
- Compliant with welding standards DVS 2207. Suitable for all types of thermoplastic sheets (PE, PP, PVC, PVDF, PC, ABS, Acrylic).
- The Control system adopts Siemens / Mitsubishi PLC, with 10-inch touch screen.
- Built-in 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**

# SHEET BUTT FUSION MACHINES SWT-PH5000

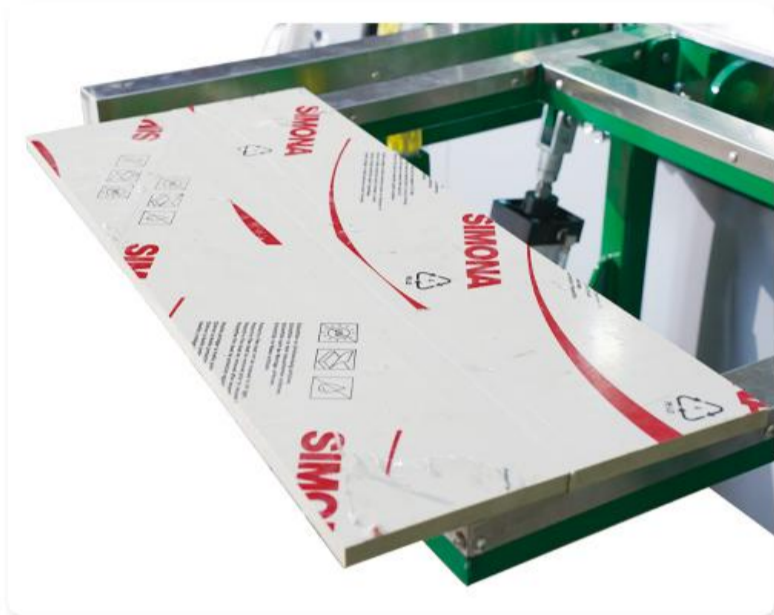
This plastic sheet welding machine is suitable for welding thermoplastic sheets made of PE, PP, PVC, PVDF, PC, ABS, Acrylic. It could not only support horizontal & circular welding, but also support 90° vertical jointing of the sheets on customer's request.



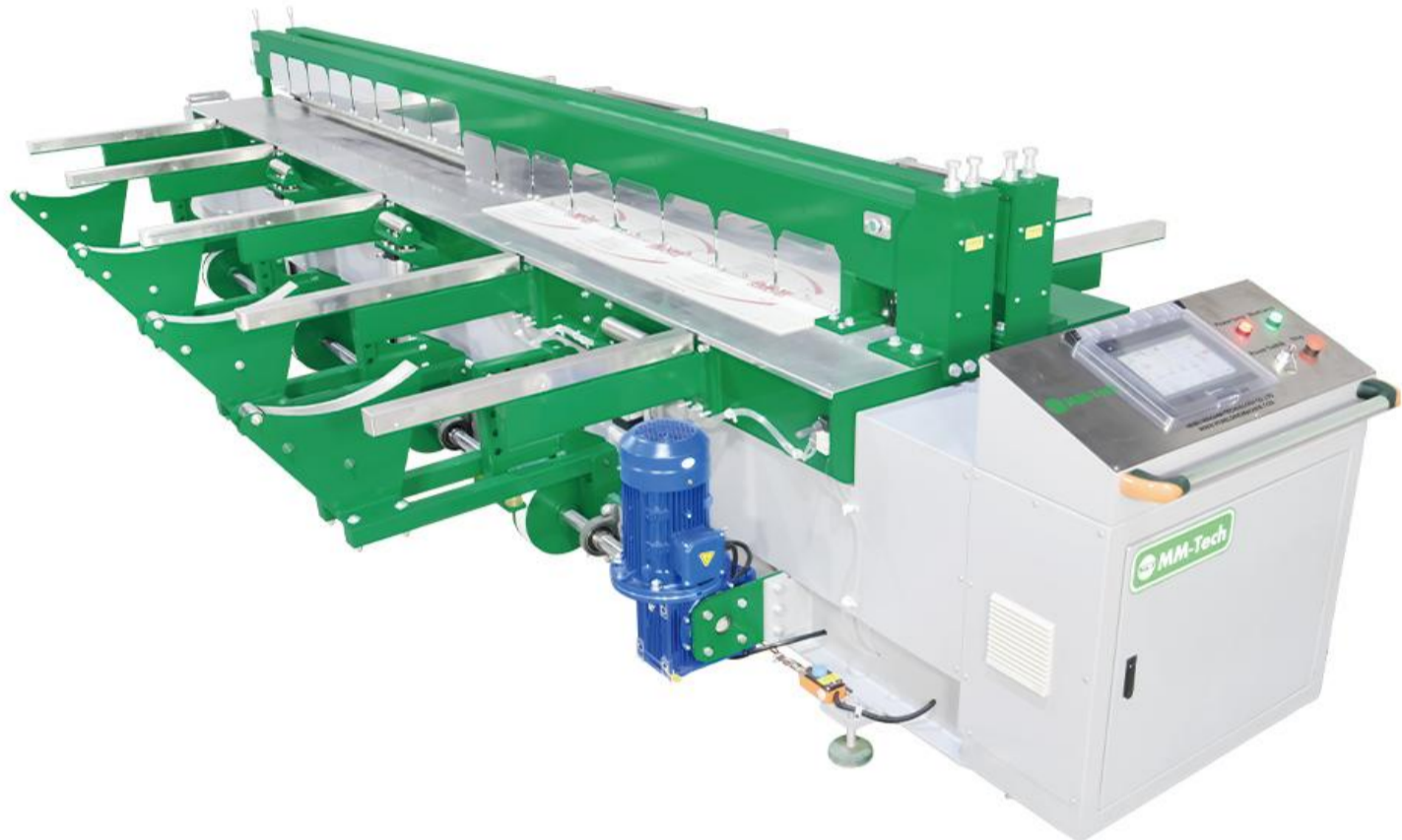
## 2 Basic Functions



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<br>Twin Wall sheets |
| Max. Working Length (mm)        | 5000mm  |
| Weldable thickness (mm)         | Hard Sheet: 3-50mm<br>Hollow Sheet: Up to 80mm          |
| Min. cylinder diameter (mm)     | 550mm   |
| Pressure setting method         | Digital   |
| Pressure Controller             | SMC electric proportional valve                         |
| Power consumption (kW)          | 12kW  |
| Power supply                    | AC 380V 3P 50/60Hz                                      |
| Compressed air connection (bar) | 6-8 kg/cm²  |
| Motor Power of Rolling Belt     | 3kW   |
| Sheet Locking Clamps            | Pneumatic   |
| Welding System                  | CNC   |
| Display                         | 10 inch WEINVIEW  |
| Hardware Control Panel          | SIEMENS / MITSUBISHI PLC                                |
| Full load Current(A)            | 20A   |
| Heating Plate Power             | 3P / 9kW  |
| Power Cable Size                | 4*4mm²  |

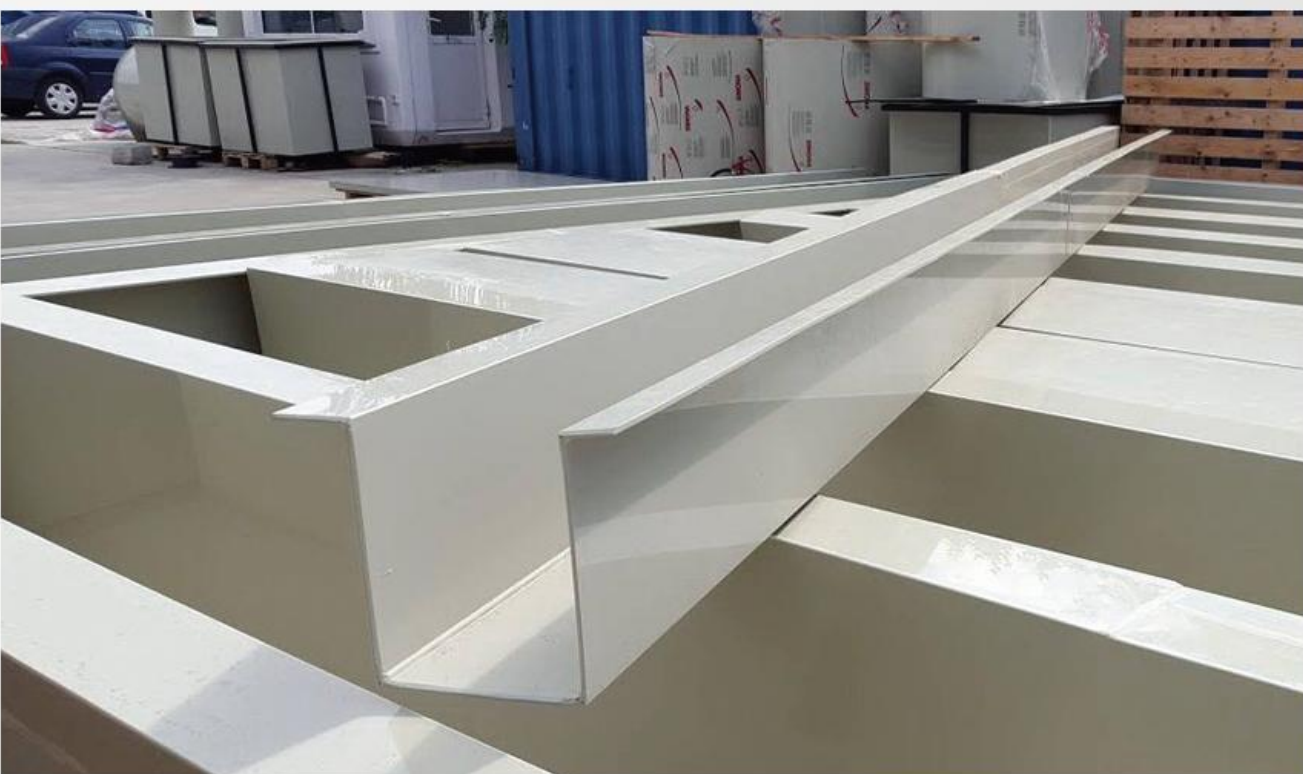
# APPLICATION



Plating Tanks



Scrubber



Ventilation Systems



Water Containers



Swimming Pool



Water Tank



Aquaculture



Water Treatment Systems



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