

Automatic Butt Fusion Machine SWT-V160 CNC 50MM-160MM (2" IPS -6" IPS)

The MM-Tech V-CNC series automatic hydraulic butt welding machines SWT-V160 CNC is applied to joint PE, PP, PPR, and PVDF pipes and moulded fittings. Selection of components with a long service life ensures a low maintenance and repair, friendly and reliable operation.

V-CNC Series

- ✓ The CNC hydraulic control box is available for all MM-Tech basic model machines, covering the size from O.D 50mm through O.D 1200mm. A fully encased control box makes the protection level up to IP 54.
- ✓ Due to the unique powertrain, it could not only create sufficient hydraulic power during the welding procedure but also makes sure precise control. And most importantly, it greatly reduces the weight of the control box. And the servo-motor applied significantly reduces the failure possibility and maintenance cost.
- ✓ All connection sockets are located at the back of the hydraulic control unit, including sockets for the trimmer tool and heating plate. No additional power distributor is needed.
- ✓ Various welding standards (DVS, ISO, WIS, etc.) could be pre-installed by different languages upon your request. All welding reports could be saved immediately to internal memory with a capacity of 2000 reports after welding accomplished, or print the report. Meanwhile, it is available for downloading through the USB interface.
- ✓ All MM-Tech V-CNC series hydraulic control box is featured with PLC touch screen, extremely user-friendly RFID access technology. Troubleshooting and program upgrades are available for remote control.
- ✓ When the heating plate hooks up with the machine chassis, inserting or release the heater will be controlled remotely by a hydraulic unit, which is the same as a trimmer. These characteristics prevent the operators from being injured.



Product Details

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| WELDING RANGE O.D. | 50MM - 160MM | PISTON AREA | 6.27 CM² |
| POWER SUPPLY | 220V±10%, 50/60HZ | TEMPERATURE RANGE | MAX. 320 °C |
| HEATER POWER | 1.0KW | PACKING DIMENSION | 820*400*380 MM |
| TRIMMER POWER | 0.75 KW | | 440*400*520 MM |
| PUMP POWER | 0.75 KW | | 650*340*380 MM |
| WORKING PRESSURE RANGE | 0 - 80 BAR | GROSS WEIGHT | 133KGS |

V-CNC Series Characteristics

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| WELDING CONTROL SYSTEM | FULLY MONITORED BY CNC CONTROL UNIT |
| DATA LOGGING CAPACITY | 2000 REPORTS |
| WELDING MONITORING SYSTEM | AMBIENT TEMPERATURE, INPUT VOLTAGE, HEATING TEMPERATURE, WELDING PRESSURE, WELDING TIMES, HEATING OPERATION, TRIMMING OPERATION, MEMORY CONTROL. |
| LANGUAGES | AVAILABLE UPON REQUEST |
| WARRANTY PERIOD | 2 YEARS |



Basic Frame: Oil seal kit, origins from Germany, make sure that the pressure performance stays in a more stable way.
4sets quick coupling helps the operator to prepare the machine better before and after welding, and we use STUCCHI which from Italy ensures no hydraulic oil leakages when unplug or plug in.
Using an integral shaft (top chromate treatment) instead of the assembled shaft, ensure the chassis strength to avoid possible frame twist or deform when dragging the pipe with extreme parameters.

Heating Plate: We use Dupont from the USA for coating the heating plate, which is the best in the industry. It's many stickers on an aluminum plate, more non-sticky to plastic pipes surface. The temperature deviation of different points on the heating plate is 2-3 degrees (small size machine) and 5-6 degrees (big size machine).

Trimmer: Safety Switch, which guarantees the operators' security, even with power on, the trimmer will not be running if operators do not press the button.

Support: Ergonomic design

