AMET

Advanced Manufacturing Engineering Technologies

Integrated Pipe Spool Welding Station



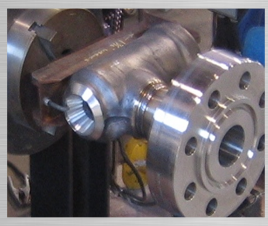
The AMET Spool Welding Station is a complete solution for the production welding of pipe spools: including the attachment of flanges, fittings, and valves. This system has been specifically engineered for ease-of-use and high productivity in a shop environment. Our standard system is based on the "hot-wire TIG" process and can operate at high deposition rates while maintaining an extremely high finish weld quality.

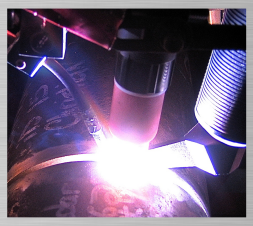
AMET Control Equipment:

- Simple User Interface and programming.
  - Extensive library facility for weld program storage.
  - Programming and library functions in easy to understand "plane language."
- Integrated Programmable controls of:
  - Welding Current and pulsation.
  - Arc Voltage/Length
  - Wire Feed Speed
  - Hot Wire Volts
  - Travel Speed
  - Torch Weaving/Oscillation

Torch and Weld Head:

- 500 AMP Water-Cooled GTAW torch.
- Manual Wire Nozzle Manipulator
- Torch Lead/Lag Adjustment.
- Torch Tilt adjustment up to +/-30 degrees
- Torch "Over-Center" Adjustment
- Oscillator/Cross seam precision slide with 8 inches (250 mm) of total stroke.
- Vertical Arc Voltage Control (AVC) precision slide with 6 inches (150 mm) of total Stroke.
- Four Roll Wire Feeder with enclosed 12-inch (305mm) spool mount.



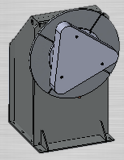


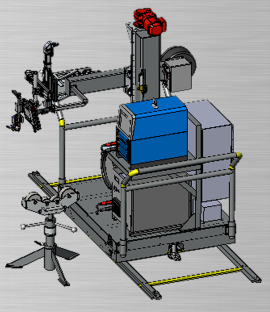
Positioning Equipment:

- Manual Travel Cart for positioning the welding equipment along the pipe spool assembly.
- Free-standing Rotator with 3000-Pound (1360 kg)capacity.
- Integrated Pipe Gripper
- Free-Standing Outboard Pipe idler

Weld Services Equipment:

- 350 Amp Power Supply (with RF Starter)
- AMET Hot-Wire Power Supply - 200 amps, up to 20 volts - RMS AC Sine Wave Output
- Integrated Gas and Torch Coolant flow detection.
- Single Point Power Distribution





Options:

- Magnetic Oscillators
- Grippers for smaller pipe sizes
- Integrated ID Gas Purging Systems
- Trailing Shield Purging Systems
- Wire Feed Straighteners
- Travel Cart Track Extensions
- Specialized Torches
- Arc Viewing Video Systems
- Data Logging Options.
- Powered Travel Cart Drive (Manual Control)
- GMAW/FCAW welding processes and controls
- Higher output GTAW power supplies
- Additional Outboard Idlers:



AMET 25 YEARS OF WELDING AUTOMATION