AMET®

Advanced Manufacturing Engineering Technologies

PRECISION LINEAR SEAM WELDING SYSTEMS

Updated Design

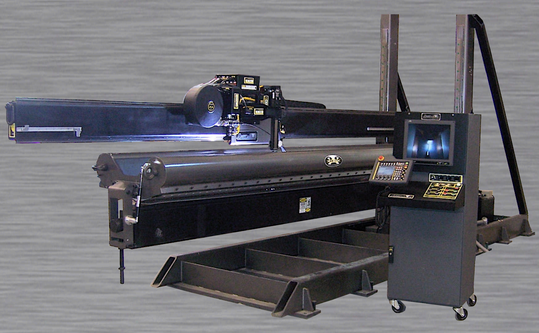
- Stronger, more rigid tabletop
- Sealed ball screw drive for weld lengths up to 2000mm for higher precision.
- Finger-to-finger distance adjustment is located on top of each clamping finger providing easier adjustment than traditional seam welders.
- Finger clamping and Centering Device actuated by foot switch.
- Forklift pockets to facilitate equipment installation and repositioning

AMET® offers a complete line of Linear Seam Welders designed as a complete solution for performing precision linear welds. Each is equipped with our world-class controls and servo motor driven motion axes for precise control and consistent performance. These seam welders are designed to provide ease of use, quality, robustness, high-precision, and repeatability. The main structure and base are constructed of heavy-wall structural steel to maintain rigidity and extend service life.

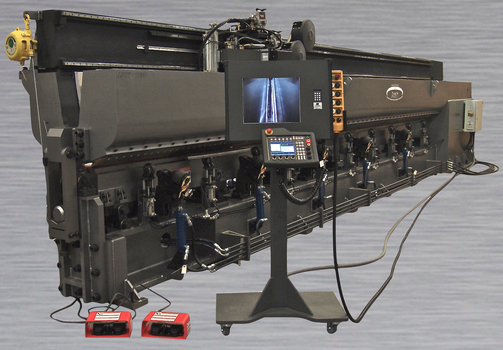
AMET® Linear Seam Welders can be configured for virtually any weld process including: GTAW, PAW, VPGTAW, VPPAW, SAW, GMAW, and FCAW and can also be designed with multi-process weld heads.

Internal • External • Combination Internal / External • Flat Sheet • Elevating • Horizontal • Vertical Droop Style Mandrel • Stepped Mandrel • Tapered Mandrel • Retractable Mandrel • Pivoting Mandrel

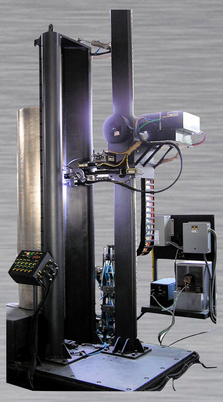
XM Precision Bench GTA Seam Welder



Elevating GTAW-Cold Wire Feed Seam Welder



Heavy-Duty Combination Dual Torch GMA Seam Welder



Vertical Variable Polarity Plasma Seam Welder

The AMET® Advantage

- Precision bearings and rails provide smooth carriage motion resulting in consistent welds with an even bead.
- Precision controls, +/- 1% of set speed, helps ensure repeatable weld head motion for dependable performance. This is especially beneficial for high volume part runs.
- Machined track, which is stress relieved to extend the service life and provide consistent and repeatable motion.
- AMET uses hi-flex cabling and a flexible cable chain to organize cables and extend service life.
- Double wall pneumatic hose provides uniform clamping along the length of the weld bed, virtually eliminating the need for pre-tacking parts prior to loading them into the seam welder. This reduces material, labor, and consumables costs.