



AMET ADVANTAGES

AMET has a 20 year history of providing both completely integrated, turn-key, automated systems and long term systems support. AMET is therefore uniquely qualified to provide a completely integrated and tailored solution for your current needs as well as the technology to incorporate additional automation or process monitoring capabilities for potential future needs. Since AMET's business is to provide "turn-key" automated welding systems, we believe that you will receive considerable value based on receiving a completely integrated system that is engineered and built to meet your needs as well as the follow-on complete systems support from one proven and responsible US based supplier.

It is also important to note several specific items that make an AMET system a clear choice for your business. These are things that we believe will enable higher productivity, improved overall quality/consistency, and add significant value to your current potential purchase, as well as lowering the long-term costs of your systems.

AMET's Family of Advanced Controllers

- Modular DSP (Digital Signal Processor) control architecture and direct CANBUS communication within all system components allows concurrent (simultaneous) control of process parameters (power supply control, wire speed control, rotation speed, torch position, etc.)

All automation is programmed and controlled through the XM Weld Process Controller.

- What we offer is not just a collection of individual component controls; we take the function of each individual component and integrate it with the single XM Controller.
- The XM Controller utilizes a practical "select & dial" interface for program creation. No NC code or programming language required. The operator can clearly see what is happening and interact with the operation as needed.
- The controller will store hundreds of programmed schedules, allowing the operator to easily recall specific parameter settings for different joint and diameters requirements for your various part assemblies.
- AMET uses encoder based servo-motor control of all programmable motions axes (cross-seam slide, torch height slide, etc.). Precision motion and encoder control allow purposeful, repeatable parameter changes at specific time and/or distance and integrates the position with the other settings in one weld program from one interface.

The system is Purpose built for Welding/Fabrication Automation.

- Everything from the weld head to the fixturing and weld process equipment are designed, selected and integrated for continuing operation in industrial environments and manufacturing applications.

We build a Total factory solution.

- Optional tolerance checking and process monitoring at controller.
- Optional Ethernet connectivity of each system for reporting status / performance and transferring program and process execution data.
- Complete networking, off-line programming and data analysis upgrades available.

One company provides total system responsibility.

- AMET produces the controls and fixturing and provides complete integration and total system support.
- AMET has been designing, manufacturing, installing, and servicing automated welding systems since 1989. We can provide you a list of references that address both the performance of AMET control systems as well as the level of service provided to our customers.

It is AMET's objective to continue to provide the best welding systems as well as the best follow on support in the industry. We believe that our systems and support will demonstrate significant long term value and performance to ensure your overall welding investment will also be the best in the industry. The systems are purpose-built, process and operation specific, and fully integrated.

20 Years of Automated Welding System Excellence



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