

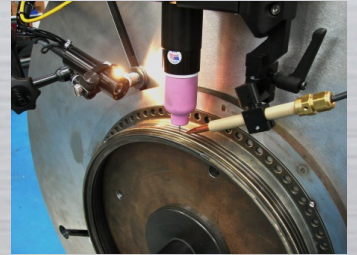
AMET

AMET[®] Dab Style Welding Systems

AMET[®] Dab Style Welding Systems are specifically designed and built for jet engine seal & turbine blade manufacture and repair of commercial jet engines. These systems are configured for GTAW with Dab Style wire feed. In addition, the systems are configured to allow conventional wire feed in addition to Dab Style wire feed.

Typical AMET[®] Dab Style Welding System would include the following major components:

- AMET[®] XM[®] Control system**
 - Provides the capability to synchronize all process parameters including current pulsation, wire advance / retract, and motion axes for any dabbing application.
- AMET[®] Dab Style wire feeder**
 - Specially designed wire feeder with heavy-duty motor & drive assembly to withstand the rigors of constantly advancing and retracting the weld wire.
- AMET[®] AVC (Arc Voltage Control) Capability**
 - Advanced AVC that can be programmed to adjust on the high or low pulse.
- AMET[®] Column & Boom Manipulator**
 - Our manipulators are specifically designed for rigidity and precise motion. High strength materials and precision rails are used on both axes to provide rigidity.
- AMET[®] High Precision Rotating Positioner**
 - Like our manipulators, AMET[®] rotating weld positioners are designed for rigidity and precise motion. High-precision harmonic style gearboxes provide precise rotation with minimal backlash.
- GTAW Weld gear package**
 - Able to integrate with various weld gear packages. Miller Electric weld gear packages are recommended for their reliability and proven record with the GTAW process.
- Weld skid for mounting the XM[®] modules and weld gear**
 - Integrates the XM[®] control modules and weld gear components to provide approved E-stop capability.
- Integrated Arc Viewing Video System**
 - Provides the ability to remotely monitor the welding arc and weld puddle.
- Virtual Alignment Capability**
 - Integrated teaching method for non-linear paths. We are also able to integrate with other tracking devices as necessary to meet a customer's requirements.



The standard configuration of the AMET[®] Dab Style Welding System is as outlined above; however, AMET[®] specializes in helping our customers configure a system to meet their application specific requirements. We have supplied Dab Style Welding Systems to customers such as GE Aviation, Exotic Metals Forming Company, CRMA Aero Repair, Solar Turbines, and Siemens.

Customer Solutions



AMET[®] Dab Style Welding System provided for customers like GE Aviation and CRMA Aero Repair



AMET[®] Custom GTAW Welding System with Dab Style Wire Feeder for GE



AMET[®] GTAW Dab Style Welding System with (3) Positioners for Exotic Metals Forming Company