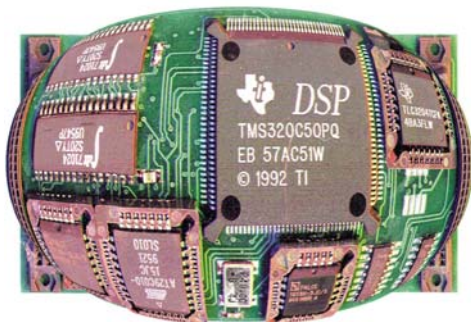


WORLD CLASS TECHNOLOGY SUPPORTED BY A WORLD CLASS COMPANY

AMET Inc. is pleased to present our “stand alone” product line, including our XMS line of automated welding components, welding accessories and pre-engineered system packages to the welding industry.

The XMS product line is based on the XM module that is DSP controlled. The XM module is controlled through a “smart” handheld remote pendant, providing the operator with a method to control, program and override the XM component and the weld parameter it is controlling.



These components are designed for “stand alone” operation, but include the capability to be upgraded and integrated to AMET’s XM system controller. These devices can also be sequenced by AMET’s T2 and QII controls.

XMS-VC Arc Voltage Control



The XMS Arc Voltage Control is designed to maintain constant arc length based on arc voltage feedback. This product is used for AC/DC GTAW, PAW and VPPA welding processes. The AVC slide is offered in two versions with various stroke options.

XMS-WF Cold Wire Feeder

XMS-WF cold wire feeder is a precision 4 roll wire feeding unit, capable of feeding wire from .020 to .093” wire with the appropriate wire feed kit. The wire feed is capable of continuous and pulsed feeding through a DC servo motor with encoder feedback.



XMS-MAG Magnetic Arc Oscillator



XMS-MAG is complete digital, programmable magnetic arc oscillator, using a single tip magnetic, water-cooled probe assembly. The XMS-MAG provides precision control over frequency of oscillation, left & right dwell times, arc position, and amplitude of magnetic field.

XMS-MOTION

The XMS-MOTION is the module and hand pendant combination used to retro-fit to customer’s existing fixture with motor. Ideally, the motor should have encoder feedback or be able to be fitted with one. The motion module (Linear or Rotation) is designed to be interfaced to the customer’s motor and motor amplifier. AMET provides an analog speed reference signal, directional signal and enable signal.

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XMS-OSC

The XMS-OSC is fully programmable mechanical weld oscillator. Using the hand pendant, the operator can program the oscillation speed, left/right dwell times, amplitude of oscillation, and center position. The oscillator is offered in two slide versions with various length options.



XMS-DST

The XMS-DST is a digital, programmable, contact style seam tracking system. The digital seam tracker uses encoder feedback for precise position-based tracking. Each system comprises of a XMS module, hand pendant, sealed precision cross-slide assembly and contact probe with universal torch mount.

Product in development

AVS-1 /AVS-2

The AVS-1 or AVS-2 arc vision systems offer the operator a live color view of the weld zone. The AVS-2 includes a high intensity halogen lamp that illuminates the weld zone so the operator can verify torch setup and position before welding. During welding the CCD camera with high shutter speed and spot filter provide an excellent clear view of the weld and surrounding area.



XMS-HW-200CS

AMET is able to offer the customer a complete digital hot wire feeding system for GTAW welding. The AC hot wire power supply is supplied with a precision 4 roll wire drive unit, hot wire torch assembly and hand pendant. Using the hand pendant, the operator can program the wire feed speed and hot wire voltage. The system can be programmed to feed hot or cold wire.



HF-AS-300/500

The HF-AS-300 or 500 are high frequency arc starters typically used in GTAW applications. These units automatically detect an arc is established and stop producing high frequency. They are rated at 300 and 500 amps, 100% duty cycle. They are fitted with bulk-head connections so torches can plug directly into them.



WT-8DD Weld Timer

The WT-8DD weld timer allows the operator to log actual individual welding minutes and total weld time. Total weld time has a lock feature for monitoring welder efficiency. The WT-8DD simply mounts in-line with the welding process.



VPC-450/800

The VPC-450 or 800 is a true variable polarity welding power supply, utilizing AMET's DSP technology with Intelligent Power Module technology to produce an extremely accurate and stable DC or Variable Polarity welding source. The units are rated at 450 or 800 amps, 100% duty cycle in DC, VP or VP Mixed modes of operation.



MR II

AMET offers the MR II weld current control. The DSP based weld current controller offers built-in slope and pulse capability. The unit is designed to plug into and operate from the welding power source remote control connector.



Bore Clad TIG Torches

AMET can provide two sizes of bore clad torches. The bore torches come in two models, for feeding hot or cold wire. AMET's torches have many standard TIG torch consumables to help reduce operational costs.



Wire Nozzle Positioners

AMET offers several styles of wire positioning devices. We offer wire positioners with manual or motorized capability, for hot or cold wire processes, from 2 to 5 axis of wire positioning.



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AMET Inc. was incorporated in 1989 and is located in Rexburg, Idaho. Dave Stompro and Don Schwemmer started AMET with a desire to provide their customers with superior weld controls, weld systems, customer support, and service. Our history is closely linked to the welding research and development efforts of the US Department of Energy and Department of Defense. AMET's primary focus is to design, develop, manufacture and sell welding process control, welding process monitoring, weld fixtures and complete automated turn-key solutions to our customers.



With the introduction of new controls and weld fixtures, AMET doubled in size and sales from 2002 to 2004. AMET will continue to develop new controls, enhanced software and weld fixtures to meet the demands of the welding industry and our customers. AMET's sales staff is dedicated to providing proposals to meet your project requirements, AMET's engineering staff will design and manufacture high quality systems, and AMET's technical support team will insure your system is installed correctly, provide you with training, and support you after the sale is complete. AMET is expanding internationally with offices in China and England. We invite you to experience the AMET advantage of a world-class company providing a world-class system.

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