

ADOR/AMET Cooperation

ADOR Welding Limited and AMET (Advanced Manufacturing Engineering Technologies) are pleased to announce the two companies have formed a cooperative alliance to better serve the market segments within India and the Middle East.

ADOR is a leading company within the Indian welding industry, and is supplier of welding power supplies and welding consumables. In addition, they have developed some products which can be used in hard automation solutions, such as manipulators, tilting positioners, and turning rolls.

AMET is a leading company in hard and flexible welding automation. AMET has a comprehensive line of welding system controls and accessories. In addition, AMET has developed a complete of welding fixtures to mate with our advanced welding controls.

AMET and ADOR will integrate the product lines from both companies to present complete welding solutions to many markets in India and the Middle East. AMET has experience in many market segments, including the following: (not all are listed here)

Oil and Gas Industry:

- Pipe to pipe/fitting/elbow/T welding solutions for a factory setting
- Pipe cladding
- Bore cladding
- Storage vessels/tanks/cylinders
- Critical welds on LPG vessels

Power Generation Industry: (Fossil Fuel and Nuclear)

- Pressure vessels
- Boiler
- Cladding/Hard surfacing operations
- Heat recuperators
- Shafts
- Fan Impellers
- Resurfacing
- Hot voltage switches (enclosures)
- Solar hot water tanks
- Nuclear waste containment vessels
- Nuclear fuel rods

Wind Towers:

- Linear welding for can fabrication
- Growing lines
- Fit-up rollers
- Flange welding
- Door Welding

Stainless Steel Fabrication: (Food and Beverage, Chemical, etc.)

- Linear seam welders
- Weld Lathes
- Circumferential welders
- Internal and External tooling
- Dual Arc Process (Plasma + GTAW)

Bellows;

- Thin wall seam welders for tubes used in convoluted bellows
- Precision weld lathes used for diaphragm bellows
- Lathes used to weld flanges to bellow sections

Aerospace/Aero-Engine

- Dabber welding for seal fin rebuild
- Critical component welds on special alloy materials
- Variable Polarity welding on aluminum and aluminum alloys

Complete solutions can include:

- Laser seam tracking
- Laser seam tracking with adaptive fill capability
- Mechanical seam tracking
- Arc Voltage controls
- Cold wire feeders for GTAW and PAW
- Hot wire feeders for GTAW and PAW
- Data Acquisition
- Weld monitoring
- Bar-code scanning to identify serial number and/or weld program
- Part Temperature sensing
- Tandem SAW weld heads
- Tandem GMAW weld heads
- Multiple wire SAW weld heads
- Reduced bevel SAW weld heads
- Narrow Gap Tandem SAW weld heads
- Narrow Gap Hot Wire TIG weld heads
- Weld System controls (Advent, XM and SX controls)
- Coordinated motion control capability
- Computer numerical control capability
- Welding cameras
- Laser cross-hair pointers
- Mechanical and Magnetic oscillation
- Rotary weld heads – continuous and 1 or 2 pass solutions
- Rotary weld grounds
- Bore torches
- Variable Polarity GTAW and PAW power supplies

Plasma weld console

AMET has experience in all arc welding process – GTAW/PAW/GMAW/FCAW/SAW and some limited experience in Laser welding.

ADOR and AMET can offer a comprehensive line of weld fixtures, including:

- Linear seam welders – full line and sizes
- Precision bench lathes
- Industrial bench lathes
- Large Capacity weld lathes
- Head stocks and Tail stocks
- Column and Boom Manipulators
- Turning rolls/Rotators
- Tilting Positioners
- Turn tables
- Gantries
- Side Beam Tracks and Carriages
- Welding chambers – vacuum assisted and purge type
- Roll Planishers
- Motorized and Manual slides
- Torch tilt and pivot devices

Most of the above weld fixtures can be delivered in standard configuration or robotic grade for critical welding applications.