AMET

Advanced Manufacturing Engineering Technologies

NARROW GAP TANDEM SUBMERGED ARC WELDING SYSTEMS

Reduced Volume Welding
Significant reduction in Volume of Weld Joint

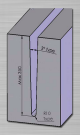




System Features
- Single Point Controls of all Weld and Tooling
- Programmable Sidewall Offset
- Multiple Pass Sequencing
- Adaptive Fill
- Laser Standoff Control and Cross Seam Tracking
- Independent Lead and Trail Tilt
- Tilt Slew Rate Control
- Programmable Pass Overlap



Head Specifications



- Maximum Groove Depth - 350mm
- Groove bevel type - 1.5 degrees (min.1.2 degrees)
- Head Width 14mm
- Individual Precision Tandem Torch Tilting
  - Servo Motor Controls with precision gearbox
  - Adjustable range - +/- 5 degrees
- Precision X-Z weld head motion controls
  - Horizontal stroke - 150mm
  - Vertical stroke 450mm
  - Precision Servo Controls for automated standoff, and seam tracking controls
- Adjustable spacing between torches
- Adjustable Torch Angle - 10 to 30 degrees
- Weld Head Tilt - manual adjustment to tilt entire weld head +/- 10 degrees from center
- Non-conductive torch body for lead and trail torches
- Stainless Steel protective covers with anti-crash protection
- 2-axis wire straighteners for both lead and trail torches
- Tandem Lincoln PowerFeeders with 25 Kg wire spool mounting
- Integrated color viewing camera with work lamp
- Flux Delivery and Recovery nozzles, hoppers, and mounting

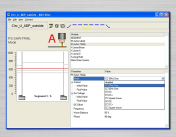
Integrated AMET and Lincoln Controls

LINCOLN ELECTRIC

AMET XM Controls directly communicate with Lincoln ArcLink - PowerWave - Supplies









Integrated META Laser Sensors

AMET is a proud automation partner and integrator of META Laser and Optical Vision Systems. Meta Vision Systems is the world leading supplier of laser seam tracking systems, with systems installed in environments from the Arctic Circle to the Equator.

META Welding with Vision for 25 years





20 Years of Automated Welding Excellence