

TriPulse Pipe Cladding System

Automated welding
 system for hot wire
 GTAW cladding
 applications



- Superior quality pipe weld overlay using pulsed power and oscillation to minimize dilution and maximize fusion
- Meets 3.0 mm minimum thickness with maximum 5% Fe
- Maximum hardness levels less than 22 HRC
- Data Logging of Weld Parameters
- Real Time CCTV Remote Weld Monitoring and Data Recording
- Full traceability of production records to allow quantitative analysis
- Exceeds all applicable welding codes (ASME IX, NACE NR0175, API 1104)



Adjust TriPulse wave form with touch screen interface.



Face Bend: Optimum bead-to-bead tie-in.



Side Bend: Fully fused bond line.



Integrated Solutions: Engineering, Robotics Consulting, Machine & Controls

TriPulse Technical Capabilities and Specifications

TriPulse Pipe Cladder 20'	Description
Control	PLC
Automatic Voltage Control	Yes, Each Torch on Independent AVC
X-Axis Carriage	Motorized, 20' Travel
Minimum Pipe Diameter	5 1/2"
Maximum Pipe Length (1 set up)	20'
Torch	2 Water Cooled Torches
Torch Oscillation	Yes
Camera	2 Water Cooled Cameras
Maximum Wire Spool	100lb
Data Logging	Yes