



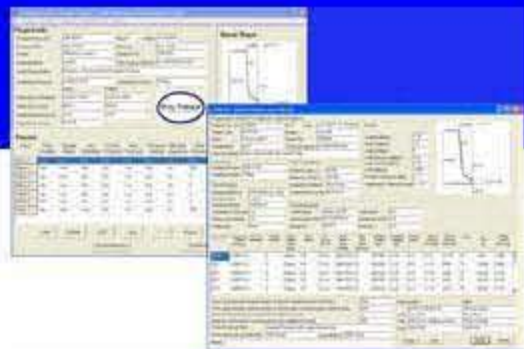
LONESTAR

AUTOMATED WELDING SYSTEM



WELDING PROCESSES

- (P)GMAW
- FCAW
- MCAW
- GTAW



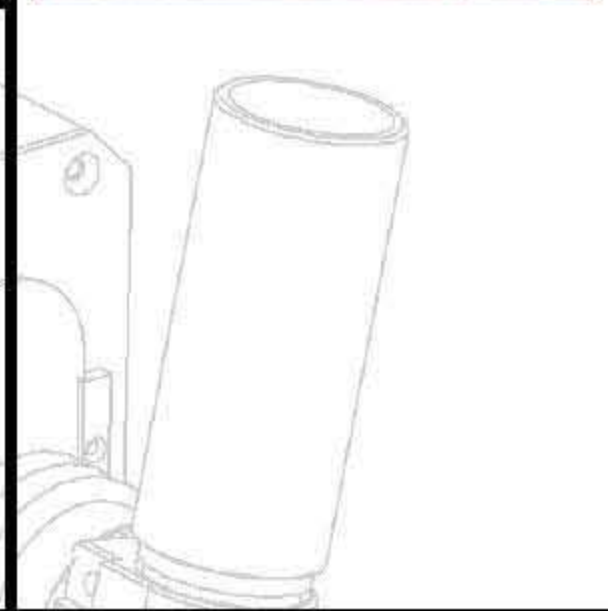
TECHNICAL SPECIFICATION

SINGLE HEAD ORBITAL WELDER
 PIPE SIZE RANGE : 4" (102MM) TO INFINITE
 TRAVEL SPEED RANGE : 0"-200" (5M) / MIN
 OSCILLATION SPEED RANGE : 0"-138" (350 CM) / MIN
 VERTICAL MOVEMENT RANGE : 2" (51 MM) MOTORIZED
 HORIZONTAL MOVEMENT RANGE : 2" (51MM) MOTORIZED
 HEAD ANGLE RANGE : 30 DEG (15-0-15) MOTORIZED
 OSCILLATION DWELL RANGE: 0 TO 5 SEC
 POSITION MEASUREMENT RANGE: 360 DEG
 WEIGHT: 22 LBS (10KG)
 LENGTH: 8.00" (20.3CM)
 WIDTH: 8.50" (21.6CM)
 HEIGHT: 9.00" (23.0CM)
 OPERATING TEMPERATURES: -20 TO +45 DEG C



CONTROLLING FEATURES

RISC BASED MULTYPROCESSOR
 PROPRIETARY REAL-TIME OS
 USER FRIENDLY REMOTE PENDANT CONTROL
 ABSOLUTE POSITION MEASUREMENT
 POSITION DEPENDANT REAL-TIME PARAMETER CONTROL
 AUTOMATED STICK-OUT CONTROLL
 AUTOMATED START/STOP CONTROL
 REAL-TIME WELDING DATA MONITORING
 REAL-TIME WELDING DATA ACQUISITION
 WELDING POWERSOUCE AND WIRE FEEDER INTERFACE



SYSTEM HIGHLIGHTS

HIGH DEPOSITION RATE
 LOW REPAIR RATE
 EASE OF USE, FRIENDLY AND FLEXIBLE DESIGN
 LIGHTWEIGHT, COMPACT, SOLID AND ROBUST
 FOR EVERY DAY USE 24 HOURS OPERATIONS
 ABILITY TO WELD ALL PASSES AND
 PROCESSES WITH ONE SYSTEM
 SHORT TRAINING TIME AND FAMILIARIZATION
 GREAT BACK-UP AND SUPPORT
 CWS - COMPLETE WELDING SERVICES, EQUIPMENT,
 PERSONELL AND EXPERTIZE

POSITION DEPENDANT WELDING PARAMETERS

ARC VOLTAGE
 ARC CURRENT
 WIRE FEED SPEED
 ORBITAL TRAVEL SPEED
 OSCILLATION SPEED
 OSCILLATION WIDTH
 OSCILLATION DWELL TIME
 WELDING HEAD ANGLE
 INDUCTANCE SETTING
 PULSE CURRENT AND FREQUENCY
 PULSE WIDTH

