

LoneStar Dual-Head Welding Unit

Technical Specification

Dual Head Orbital Welder
Pipe Size Range : 6" (152mm) 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) manual
Oscillation Dwell Range: 0 to 5 sec
Position Measurement Range: 360 deg with 0.1deg precision
Weight: 26 lbs (10Kg)
Length: 8.00" (203mm)
Width: 9.50" (241mm)
Height: 10.0" (254mm)
Operating Temperatures: -20 to +45 deg C
(Extreme Range: -40 to +55deg C)
Clearance Required: 13.8" (350mm)

Controlling Features

RISC Based Multiprocessor
Proprietary Real-Time OS
Real-Time Welding Data Monitoring & Acquisition
User Friendly Remote Pendant Control
Absolute Position Measurement
Position Dependent Real-Time Parameter Control
Automated Stick Out Control
Automated Start/Stop Control
Real-Time Welding Data
Welding Powersource and Wire Feeder Interface

Position Dependent Welding Parameters

Arc voltage/power
Arc current
Wire feed speed
Orbital travel speed
Oscillation speed
Oscillation width
Oscillation dwell time
Welding Head angle



System Highlights

Fully Independent Dual Head Control
High Deposition Rate
Low Repair Rate
Lightweight, Compact, Solid and Robust
24 Hours Operations - For Every Day Use
Ability To Weld All Passes and Processes With One System
Short Training Time and Familiarization
Ease of use, Friendly and Flexible Design
Great Backup and Support
CWS - Complete Welding Services, Equipment, Personnel and Expertise

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