



SINGLE HEADED AUTOMATED WELDER

Fast. Accurate. Time-saving.

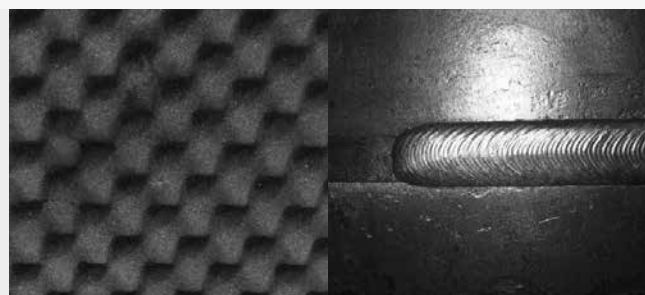
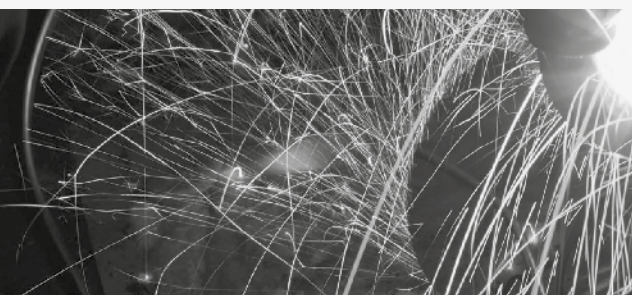
The Lonestar automated welding system is trusted around the world to provide fast and accurate welding.

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 : 26 deg (13-0-13) motorized
- Oscillation Dwell Range: 0 to 1 sec
- Position Measurement Range: 360 deg with 0.1deg precision
- Water Cooled Welding Torch 600A / 100% Duty Cycle
- Gas Cooled Welding Torch 450A / 100% Duty Cycle

ORBITAL WELDER:

- Weight: 22 lbs (10Kg)
- Length: 8.00" (20.3cm)
- Width: 8.50" (21.6cm)
- Height: 9.00" (23.0cm)
- Operating Temperatures: -45 to +50 deg C
- Clearance Required < 40 cm



SINGLE HEADED AUTOMATED WELDER

One automatic welding system for all processes. There is no requirement to look elsewhere for a pipeline welding system. Compatible for Auto GMAW, FCAW, PGMAW, and RMD welding. We have complete control of the welding power source during operation in all welding positions. Our pre-set program settings change with the digital inclinometers position on pipe. Simple terms, the bug knows where it is on the pipe when welding overhead or downhand and changes the volts, wire speeds, head angle, travel speeds, and all other parameters automatically. Unbelievable.

THERE IS NO OTHER BUG AVAILABLE THAT CAN PROVIDE:

- 1) No automation interface box. Lonestar has its own built in interface box included with wire feeder. This allows our welding system to become portable, useful for gas plants, tie-in welding, confined spaces, and any other hard to access area. The interface box is crucial for the bug to have control of welding power source and feeder. It also provides power and control functions for the welding system.
- 2) Bluetooth and Wireless data connection. We can record every second of welding from up to 300metres away from welding on a remote PC. We can record this weld and allocate it to a join number and provide as a report. We can allocate a welders name and weld identification from this remote location. We can download the welding program in 5 seconds from this remote location if required. These are all Quality control features to assist during and after procedure and welder qualification process. Your client will enjoy this function more than the contractor.
- 3) All welding processes from the same head. We can weld every type of spooled filler wire ever made from the same single head. The only difficult decision you have is to determine what welding power source you are going to use. We can change the power source welding process with one button press on the bug remote. This will instantly change set parameters for that welding pass at the same time.
- 4) Verifiable repeatability. Because the bug has control of the weld settings and bug parameters in all different positions of the pipe, the operator has little to no control while welding in fully automatic mode. In semi-automatic mode, the operator has partial control to a set percentage allowance, sometimes crucial with bad fit-up or inconsistent manual weld deposits.
- 5) Numerous welding power sources. This machine is provided with 1 of 10 compatible welding power sources and wire feeders. Please allow us to help assist with which power source is best for your welding needs.
- 6) Pricing. We are priced better than all available welding systems including the inferior systems that claim to be automatic. Separate to that fact, again the same single welding system is capable of all passes involving a spooled filler wire.
- 7) 15KG wire spool. Most bugs have reverted to the more expensive 5kg wire spool. Lonestar can use a 5KG roll but is produced to feed wire from the wire feeder allowing up to 16KG wire spool to become used.

The only single head welder capable of Automatic GMAW (gas metal arc welding), RMD (regulated metal deposit), PGMAW (pulsed gas metal arc welding), & FCAW (flux cored arc welding) welding processes from one head.

Why purchase a head that can weld FCAW uphill process but cannot use GMAW downhill process?

You will not see that in any brochure. You need the single solution head that can do both of these as a standard function with the added benefit of welding a perfect root pass.