

Weld Quality Starts in the Arc

| Orbimig 450 Pipe Welding System |

Want to use Flux Core or MIG in the field but can't get your welders to use it? Welders are comfortable using Flux Core and MIG in the shop, but not on fixed position and field welds due to excessive heat, spatter and fatigue.

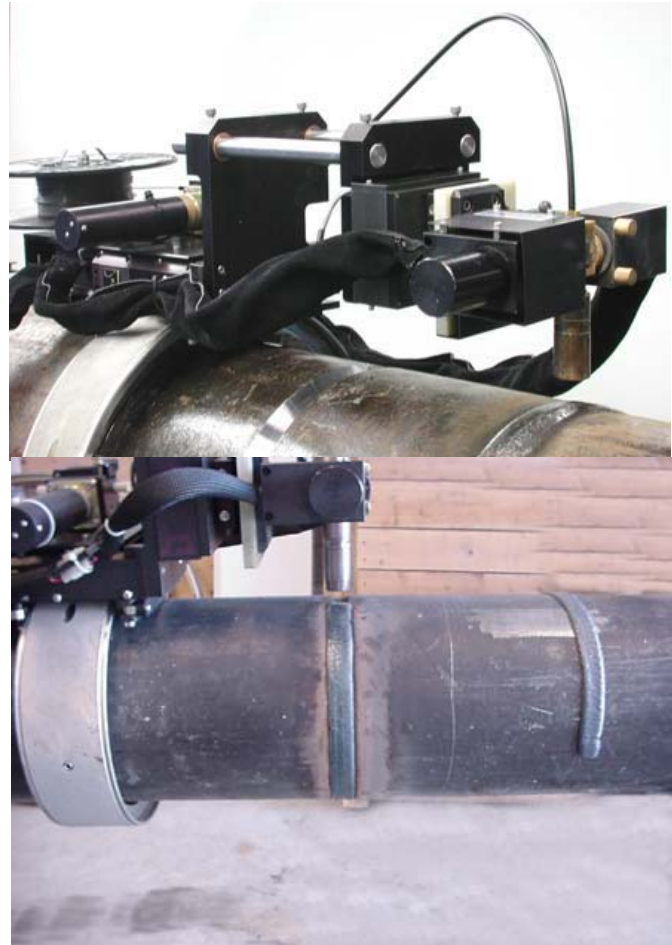
Processes

- Flux Core Dual Shield
- Flux Core Inter Shield
- GMAW Short Arc
- GMAW Pulse Spray
- GMAW Spray Arc

Typical Applications

- Process Pipe
- Pressure Vessels
- Boiler Pipe
- Tanks & Gas Pipe
- Ship Hulls

Now with the Orbimig Welding System fixed or rotated position pipe is welded with ease in the shop or in the field. The Flux Core Dual Shield and GMAW processes are widely used in fabrications shops. You can increase your productivity 50% and more, without costly procedure changes, with the Orbimig Welding System. Weld butt welds, flanges and fillets from 4" up to the largest pipe and vessels. It can even be used on plate seams.



USA | tel: 1-704-892-8872 | dimmktg@dimetrics.com
INTERNATIONAL | tel: 1-905-689-0734 | liburdi@liburdi.com
EUROPE | tel: +31-6-2036-1018 | liburdieurope@liburdi.com
www.liburdi.com

| **Orbimig 450 Pipe Welding System** - Application Sheet |

Innovative, Powerful, Productive

- The innovative design of the Orbimig System is setting an industry standard for automated GMA and FCA welding. An ideal system for most pipe welding applications where manual GMAW or FCAW is presently used or where demanding or hostile environments make manual welding difficult.
- Weld pipe diameters from 4" up to the largest vessel with the speed of MIG and the repeatability of microprocessor control. The Orbimig System gets the job done fast and meets the user's code, quality and production requirements.

System Components

- The Orbimig System includes a microprocessor controller, integrated CV power supply, full-function, gas-cooled weld head and operator friendly Remote Pendant.

Exclusive Features

- All position weld capability
- 1-G, 2-G, 5-G and 6-G pipe welds
- All position plate welding
- Vertical up or down weld progression*
- Fillet, socket and open butt welds possible

* Weld progression limited to process and procedure requirements

Power Supply

- The Orbimig System uses proven inverter power supply from Miller
- 400 Amp 100% duty cycle ensures productivity
- Can be configured to meet customer's requirement for other power supplies

Controller

- Industry proven Gold Track controller integrates all the functions necessary for easy operation and precision performance.

