

## Insight Module for PipeWorx 400



The Insight Module for PipeWorx 400 automates documentation requirements by capturing weld data and relating it to a specific weld joint. The module includes Insight Pipe and Vessel\* software package. Requires PipeWorx system software 1.13 or later.

### Information with total traceability

Capture and connect welding information to individual weld joints so pipe fabricators can efficiently track productivity and quality metrics.

### Real-time data collection

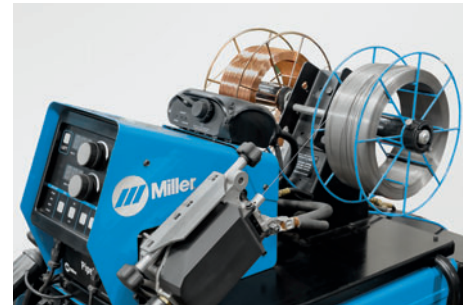
Welding information is collected as welds are completed allowing pipe fabricators to monitor progress in real time.

### Reduce data entry time and errors

Collect data directly from the weld cell eliminating the need to enter information after fabrication is complete reducing potential errors due to typos and poor handwriting.

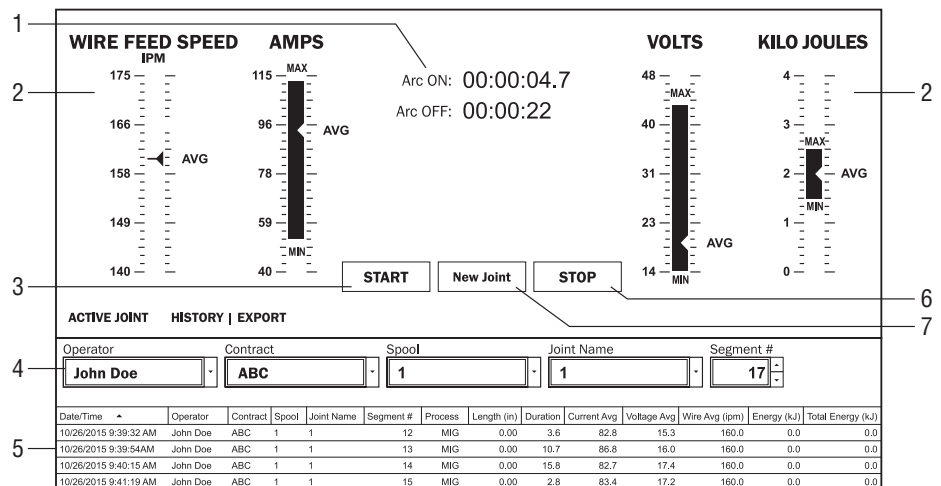
### Flexible design offers ERP integration

The Insight System for Pipe and Vessel provides the ability to import and export jobs in a generic file format allowing easy integration with your current business software programs.



## Insight Pipe and Vessel Software Interface\*

- Arc on timer**
- Parameter display area.** Wire speed, weld amperage, weld voltage and instantaneous power ranges and averages are displayed here.
- Start button** starts recording data.
- Current joint information.** User enters information about the joint being welded — contract, spool and joint.
- Joint data log.** Weld data collected for the current joint being welded displays here.
- Stop button** stops data from being recorded.
- New joint button** logs data from the previous joint and sets up for the next joint.



\* PC connected to the PipeWorx Insight Module via CAT 5 or CAT 6 Ethernet cable is required to run Insight Pipe and Vessel software.  
 Minimum system requirements: PC running Windows 7/8; Intel Core 2 Duo, AMD Athlon X2 or better; 4 GB RAM (32-bit OS) or 8 GB RAM (64-bit OS); 250 GB of available hard drive space.

## Welding Process Capabilities

The PipeWorx Welding System provides standard welding process programs, specifically designed for the welding of carbon steel and stainless steel pipe. The RMD® (MIG-modified short circuit) programs and pulsed MIG programs are synergic programs designed specifically for combinations of wire type, wire diameter and shielding gas.

Carbon Steel Programs		Wire Type			
		Solid Wire			Metal-cored Wire
		.035 in. (0.9 mm)	.040 in. (1.0 mm)	.045 in. (1.1/1.2 mm)	.045 in. (1.1/1.2 mm)
Shielding Gas	100% CO <sub>2</sub>	MIG, RMD	MIG, RMD	MIG, RMD	
	C25 (argon/25% CO <sub>2</sub> )	MIG, RMD	MIG, RMD	MIG, RMD	RMD
	C20 (argon/20% CO <sub>2</sub> )	MIG, RMD, Pulse	MIG, RMD, Pulse	MIG, RMD, Pulse	RMD
	C8-15 (argon/8-15% CO <sub>2</sub> )	MIG, RMD, Pulse	MIG, RMD, Pulse	MIG, RMD, Pulse	Pulse

Stainless Steel Programs		Wire Type		
		Solid Wire		
		.035 in. (0.9 mm)	.040 in. (1.0 mm)	.045 in. (1.1/1.2 mm)
Shielding Gas	C2 (argon/2% CO <sub>2</sub> )	MIG, RMD, Pulse	MIG, RMD, Pulse	MIG, RMD, Pulse
	98/2 (argon/2% oxygen)	MIG, RMD, Pulse	MIG, RMD, Pulse	MIG, RMD, Pulse
	Tri H (90% He/7.5% Ar/2.5% CO <sub>2</sub> )	MIG, RMD, Pulse		MIG, RMD, Pulse
	Tri A (81% Ar/18% He/1% CO <sub>2</sub> )	MIG, RMD, Pulse		MIG, RMD, Pulse