The Gold Track® VI builds on the legendary Dimetrics® tradition in orbital welding since 1967 by combining Pulsweld® aerospace technology with the renowned experience and performance of the Gold Track® systems. Its modular design features a heavy duty 20 kW transformer supplying power to dual 300 Amp Pulsweld® current modules with a super fast 150,000 cycles per second series switch to produce an incredibly crisp and stable welding arc every time.

The rugged enclosure incorporates a high capacity water cooler, arc starter, optional hot wire module, intuitive connectors and the most advanced integrated controls for a complete welding solution for field or factory use.

Legendary Performance in Pipe Welding

Gold Track® VI
The Power of Control
The state of the art control architecture is expandable to 8 servos of wire and motion control, has USB and Ethernet ports, and supports the latest technology in connectivity to the Internet, MODBUS, and high speed data monitoring. In addition to the welding functions, the servo and I/O functions can be connected through the auxiliary port and used to operate custom applications such as lathes, seamers, machining and inspection equipment.

Leaping Ahead
The Gold Track® VI is the ideal answer for high reliability welding in nuclear, power plant, pipeline, ship building, tube mill and industrial applications. At 600 Amps, this gentle giant is truly an engineering marvel and a welder’s dream to operate.

Physical Characteristics
Height: 39” (990mm)
Length: 37” (940mm)
Width: 23” (585 mm)
Weight: 600 lbs (270 kg)

Welding Specifications
Welding Range: 5 to 600 Amperes
Peak Pulse Current: 600 Amperes
Weld Current Increments: 0.1 Amperes
Continuous Weld Current: 500 Amperes (at 30 Volts)

Standard Controller Features
- PC/104 architecture
- USB/Ethernet Connectivity
- User Configurable Pendant
- Automatic Software Calibration for Current, Volts, Travel, Wire
- Backward Compatibility with Legacy Dimetrics heads
- Adapters available for all commercially available heads
- Data logging

Utilities
Primary Voltage: 240-600 VAC
Three Phase 50/60 Hz

System | Specialities | Hot Wire | Amps (peak) | Amps (cont.) | Servo Motor | max Servos | Drives* Feedback | Control Channels** | Digital I/O | Analogue I/O | Water Cooler
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
GT® VI | Top Range, Tube, Pipe, Hotwire | YES | 600 | 500 | 8 | EMF, Tach Encoder | 45/52 | 16/16 | Integrated
GT® VP | Variable Polarity | N/A | 250 (+/-) | 200 (+/-) | 8 | EMF, Tach Encoder | 45/52 | 16/16 | Integrated
P300™ | Portable Mid Range, Tube, Pipe | N/A | 300 | 250 | 4 | EMF, Tach | 37/36 | 8/8 | External
ORBITIG 240™ | High Integrity GTAW Code Quality Portable System | N/A | 240 | 210 | 4 | EMF, Tach | 37/36 | 8/8 | External
PTW 160™ | Portable tube welding | N/A | 160 | 90 | 2 | EMF, Tach | 20/20 | 4/4 | Integrated

*Rotation, Oscillation, Wire Feed, AVC or custom **Depending on weld head configuration free channels can be used for customization © Liburdi Dimetrics Corp. April 23, 2013

Specs subject to change