

Legendary Performance in Pipe Welding

Gold Track® VI

The Gold Track® VI builds on the legendary Dimetrics® tradition in orbital welding since 1967 by combining Puls weld® 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 Puls weld® 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.



PIPE WELDING

HOTWIRE

NARROW GROOVE

FIXED STATION



Weld Quality Starts in the Arc

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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)

Options

- Automatic Schedule Generator
- Offline Programmer
- Notebook Computer Interface
- Custom Head Developer Kit
- Ethernet Streaming Telemetry
- Modbus control interface
- Multi Language

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)

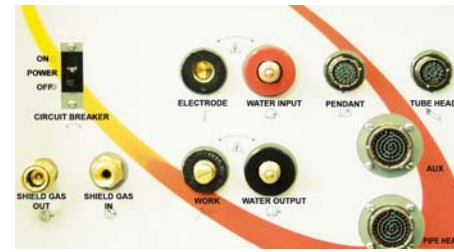
Standard Controller Features

- 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 Drives* Max Servos	Feedback Type	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

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 Specs subject to change



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