

**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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# Gold Track® VI

Legendary Performance in Pipe Welding

## 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  
 CE Compliant



System	Specialities	Hot Wire	Amps (peak)	Amps (cont.)	Servo Motor Drives* Max Servos	Feedback Type	Control Channels**		Water Cooler
							Digital I/O	Analogue I/O	
<b>GT® VI</b>	Top Range, Tube, Pipe, Hotwire	YES	600	500	8	EMF, Tach Encoder	45/52	16/16	Integrated
<b>GT® VP</b>	Variable Polarity	N/A	250 (+/-)	200 (+/-)	8	EMF, Tach Encoder	45/52	16/16	Integrated
<b>P300™</b>	Portable Mid Range, Tube, Pipe	N/A	300	250	4	EMF, Tach	37/36	8/8	External
<b>PTW 160™</b>	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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