

# Weld Tech<sup>SM</sup>

The **WT3500** Plasma Transfer Arc (PTA) system from **WeldTech** offers small and large companies a complete solution at an affordable price point previously unheard of in the industry.

**WeldTech** has reduced the number of physical components making the overall PTA solution more cost effective and reliable. Gone is the controller for an Oscillator, along with a separate control unit for the AVC as well as any additional wiring connections associated with these components.

Avoid the hassle and cost of integrating your own PTA system. **WeldTech** does all the heavy lifting for you with the **WT3500** system family of components.

The **WT3500** capabilities expands as your business grows so you can set the pace for your competition.

Every **WT3500** comes standard with the **3500SD** Powder Feeder, Power Supply and a Controller that allows for connection to a wide selection of industry PTA equipment and torches from well known OEM's as:



Call today to see how affordable it is to own a complete PTA solution. With the **WT3500** you'll be confident in knowing you've made a wise investment in quality that has been rigorously field tested for reliability and performance under continued use.

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**1 (803) 802-7966**

**WT3500**

# SYSTEM COMPONENTS

1 (803) 802-7966



The unique cavitated wheel and chamber design of the **3500SD** stepper driven powder feeder eliminates notorious carbide powder separation and clogging while allowing consistent delivery of all industry compatible metallic powders.

Fewer parts means more affordable pricing for the customer. Noticably absent is a separate controller for the optional **3500AVC** as it has become an integral part of the **WT3500** control unit.



Ruggedized to perform in typical harsh shop environments, the **3500RP** remote pendant allows the operator to work in closer proximity of the work being performed while still allowing complete control of all welding parameters.



The **WeldTech 1500ID** is one of the industries smallest internal diameter torches achieving a **.100** inch alloy deposit in a **1.5** inch bore as illustrated below.



## Features

- 50 user configurable welding presets
- Wide industry torch compatibility
- Low 10 amp welding capability
- Lowest dilution, distortion & heat affected zone
- High efficiency with any metallic powder
- Maximum purity of the coating alloy
- Very high bond strength
- Minimizes post-weld machining
- Thicker coating capabilities
- Pore free coatings

## Specifications

<b>Current (AMPS)</b>	
Current Range	10~350
Current @ 60%	300
Current @ 100%	250
Pilot Arc Current	10~20

<b>Timing (SECONDS)</b>	
Pre Flow	1~10
Post Flow	1~10
Up Slope	1~10
Down Slope	1~10

**Torch Cooling** \_\_\_\_\_ fluid cooled

<b>A/C Power (VAC)</b>	
controller (INPUT)	120
power supply (INPUT)	208/575
auxillary 2X (OUTPUT)	120

<b>Dimensions LxWxH (INCHES)</b>	
controller	11.5x24x25
power supply	13.75x22x24.75

<b>Weight (POUNDS)</b>	
controller	60
power supply	135

## Optional Accessories

- Arc Voltage Controller (AVC) package
- Oscillator Package
- **1500ID** Torch, comes in a standard usable weld length of 25 inches.  
*(custom torch lengths also available)*

System configuration, options and pricing may vary with specific application. For more details please call or visit us on the web at [www.WeldTechIntl.com](http://www.WeldTechIntl.com)

**WeldTech** continually improves upon it's products and therefor reserves the right to ammend the contents of this document and any specifications to currently available equipment without notice.

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