

PTA WELDING SYSTEM

Mavrix manufactures a stand-alone PTA welding system through integration of industry leading PTA components and an innovative control design. The system can function independently or can be integrated to any motion system. Mavrix can supply the motion system for complete integration providing the customer with a single machine solution for the PTA welding process.

MAVRIX PTA HMI/PLC CONTROL

- 208, 460 & 575 VAC 3 ph. capable supply voltage
- Precise configurable auto ignition sequences
- Smart control handles operational interlocks
- Manual or automated modes
- Shut down alarm for loss of gas
- Shut down alarm for loss of water flow or high temp.
- 7" Color touch HMI/PLC
- Quick disconnect water and gas connections

FRAME

- Welded structural steel tubing with fork pockets
- Twin gas cylinder platform
- Compact foot print 36" x 65"



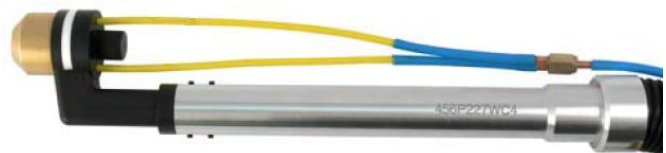
POWDER FEEDER

- Machined billet aluminum with 70 pound capacity
- Feed rate from ½ oz/minute to 16 pounds/hour
- Optimized for feeding problem powers such as Titanium
- Variable speed motor feeds from ounces/minute to pounds/minute
- Gas feed for blanketing powder and pressurized for longer horizontal applications
- Precision feed holds weld tolerances to thousandths of an inch
- Dual bearing roller system for precise alignment & support of the metering wheel
- Precision jack screws for wheel gap setting and adjustment



PTA TORCH

- Double circuit water cooling
- 8-300 Amp at 100% duty cycle
- 15-40 V
- 5-80 g/minute



PLASMA TRANSFERRED ARC

WATER CHILLER

The water chiller is manufactured by Koolant Coolers.

- | | |
|-----------------------------|-------------------|
| 1. Fill Cap | 6. Compressor |
| 2. Disconnect | 7. Tank |
| 3. Controller | 8. Pump |
| 4. Sight Glass | 9. Fan |
| 5. Discharge Pressure Gauge | 10. 10025 BTI/Hou |



POWER SOURCES

The Mavrix PTA system is available in multiple power supply options.

- ESAB 
- Fronius 
- Lincoln Electric 
- Miller 

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INTEGRATION

Mavrix PTA system easily integrates with a pendant control, Mavrix machine controls, manual inputs or can be connected with your automation.

