

PRO-FUSION MODEL 3 ARC VOLTAGE CONTROLLER WITH ARC GAP SETTER



Your Trusted Partner in Precision Welding

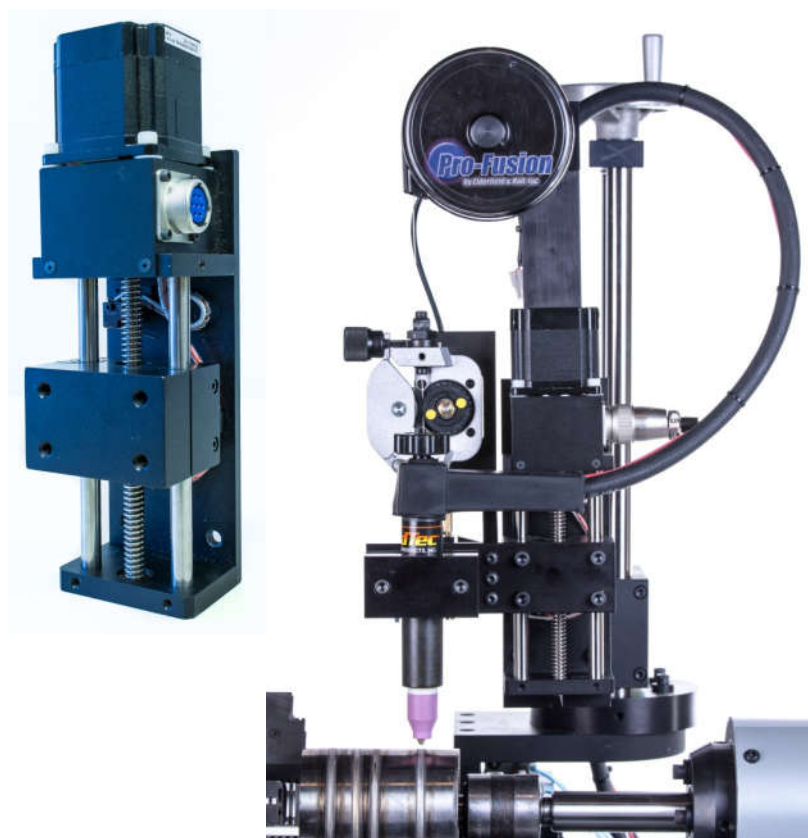
Use with either GTAW (TIG) or Plasma (PAW) Welding processes to maintain a steady arc length by monitoring the arc voltage and moving the torch up or down to compensate for irregular surfaces. Benefits are:

- Improve weld penetration consistency
- Aid in having repeatable procedures
- Higher travel speeds
- Automatic & repeatable arc gap setting
- Easy set up
- Easy programming via Touch Screen Panel



The PF-AVC is designed for precision welding applications:

- Max welding current 300 Amps
- Available in 50 amp and 100 amp versions in order to use the broadest scale of sensitivity at lower amperages
- Max. Arc Voltage 70V
- Heavy duty, U.S. made stepper motor
- 2.75" torch travel
- Universal V-block torch mount
- Torch diameters: 3/4" - 1 5/8" (19 - 42 mm)
- 40 lb. Weight Capacity (18 kg)
- ± 0.1V voltage accuracy
- ± 0.002" Arc Gap Setting Accuracy
- Deadband 1.5V
- 24 ipm Max. Drive Speed (600 mm/min)
- 0 - 1/4" Touch retract range (0 - 6 mm)
- 0 - 2.75" Stop Retract (0 - 89 mm)
- Jog Up/Down Control
- AVC Start Delay 0 - 20.0 Seconds
- AVC Retract Delay
- Arc Time Out Alarm 0 - 50 Seconds
- 2 Independent Output Relays to Control a power supply and a motion device or wire feeder
- Response Delay Timer 0 - 10.0 Seconds
- Voltage Pre-set Operator Override
- 115 / 230 Volt Input
- Optional Cold Wire Feeder Control
- Optional Remote Pendant
- Optional HMI control can load settings for lathe, AVC, wire feeder and power supply, up to 100 jobs directly via Modbus commands
- MADE IN AMERICA



Motorized slide is pictured mounted on a lathe and WITHOUT the leadscrew guard. Shown with optional wire feeder.

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