A VERSATILE SYSTEM FOR CUT QUALITY AND PRODUCTIVITY

Inova® Precision Torch Height Control System



KEY FEATURES

The Inova® torch height control system is second to none in precision and efficiency. It's simplistic user interface enables you to program more functions, set tighter parameters and achieve better part cut quality. The Inova's ability to track the material within ± 0.4 arc volts allows "on the fly" adjustments, saving both time and money by maximizing throughput and extending consumable life.

- Easy Programming using touchscreen operator interface
- Consistent Torch Positioning
- Fine Arc Voltage Resolution
- Electrode Wear Compensation
- Arc Transfer Height to optimize thick plate piercing

What's Included »

Positioner, Control Console, Interface Cables, Voltage Divider

Optional Accessories»

Collision Sensor, Remote Control Unit, Spark Shield, Torch Clamp

Product Numbers»

BK111501 - 115 VAC, Imperial Remote
BK111503 - 115 VAC, No Remote
BK111505 - 230 VAC, Imperial Remote
BK111507 - 230 VAC, No Remote
BK111508 - 115 VAC, Metric Remote
BK111510 - 230 VAC, Metric Remote



Control Console and Remote

- Arc Voltage Control using DSP Servo System that reponds at speeds up to 600 ipm with a resolution of 0.1 Arc Volts.
- Initial Height Sensing using patented plate sensing technique.
- Programmable Partial Raise allows operator to set retraction distance between 0" and full raise.
- Automatic Preflow Gas initiation starts simultaneously with initial torch height positioning. This feature saves time, allowing more parts per hour.
- Electrode Wear Compensation automatically adjusts arc voltage throughout the life of the electrode and maintains accurate cut height.
- Remote programming using Burny[®] controllers using the RS-422 communication link.
- Inova Control System automatically increases arc voltage setting if the torch tip makes contact with the plate while in AVC Mode



TECHNICAL SPECIFICATIONS

Control Console	
Input Power	115 VAC/230 VAC, 50/60 Hz
Input Current	3 Amps
Arc Voltage	50 - 250 VDC
Control Accuracy	± 0.4 VDC
Height	6.35 in. / 161 mm
Width	15.5 in. / 394 mm
Depth	12 in. / 305 mm
Weight	30 lbs. / 13.6 kgs

Torch Positioner		
Positioning Speed	600 ipm / 12.7 m/min	
Maximum Stroke	8.6 in / 219 mm	
Lift Capacity	50 lbs / 23 kgs	
Height	27.5 in / 699 mm	
Width	4.4 in. / 112 mm	
Weight	15 lbs. / 6.8 kgs	

ACCESSORIES AND SPARE PARTS

Туре	Part Number
Torch Positioner	BK110036
Control Console	BK110025 - 115 VAC BK110027 - 230 VAC
Operator Remote	BK110020 - Imperial BK110120 - Metric
Collision Sensor	BK401080
Torch Clamp	BK700223 - 2 in.
Spark Shield	BK424044 - Shield (Without Screws) BK710015 - Screw

CUSTOMER ASSISTANCE POLICY

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