

ULTIMA® 150



PROCESS		PLASMA ARC WELDING		
Part Number	Rated Output @ Duty Cycle	Output Range	Dimensions (H x W x D)	Net Weight
1-155X-XX	150 A / 25 V @ 60%	0.5 - 15 Amps (Low) 5 - 150 Amps (High)	18" x 15" x 28.5" 457 x 381 x 724 (mm)	154 lbs. (72 kg)

The Ultima® 150 plasma welding system has many advantages over traditional automated TIG welding including: increased productivity, consistent arc starting, improved process control and reduced electrical emission interference.

This unique plasma welding system is self contained in a small package with a 150 Amp power supply, coolant recirculator and control console. Our design reduces floor space and simplifies installation, making the initial price competitive with automated TIG systems while its increased productivity and repeatable performance allow it to pay for itself in a shorter period of time.

APPLICATIONS

- Aerospace/Aircraft
- Automotive
- Robotics
- Appliances
- Medical
- Office Equipment
- Electrical
- Fabrication



Ultima® 150
Brochure #0-0824

FEATURES

- 0.5-15 and 5-150 Amp Current Range
Providing Quality Performance on a Wide Variety of Applications
- Smooth DC Arc
Repetitive, High Quality Welds
- Pilot Arc
Repeatable Arc Starting Reducing defects and Rework
- Multiple Voltage Input
260-460 VAC, 1 or 3 Phase, 50/60 Hz (575 VAC with Optional Module)
- Smart Logic®
Circuit Protects Unit from Damage if Improper Voltage is Applied
- Current Limiter
Limits Power Source Output to Torch Capability to Avoid Torch Damage
- Preview Set Current
Eliminates Costly Test Set-Ups/Displays Actual Current/Voltage
- Protection Devices
 - Coolant Drier and Ionized Coolant Protection
 - Coolant Flow Protection/Interlock
 - Coolant Temperature Protection/Interlock
 - Console Temperature Overload Detection/Interlock
- Simple Interface
Automated or Manual Control
- Can Utilize a Number of Current Thermal Arc Torches

ACCESSORIES

Ultima® 150 - 575 VAC Transformer Module, Weld Sequencer Package (includes the following: WT-1 Weld Timer, CS-1 Current Sloper, CP-1 Pulser, WSE Enclosure), WT-1 Weld Timer Including Enclosure, HP-100 Hand Remote Control (requires 7-3316), Adapter Cable, RP-1 Remote Control, Remote Control Cable (20 ft. / 6.1m), Remote Control Cable (10 ft. / 3m), Foot Control (includes 7-3316), Argon Regulator, Argon Hydrogen Regulator

APPROVALS

CSA

What is Plasma Welding

- Plasma is the "super-heating" of a gas that becomes highly conductive, which for welding, allows for the transfer of an electrical current.
- Temperature of a plasma flame can reach as high as 30,000° F.
- The "fourth" state of matter.

