

FOR PLASMA WELDING BELOW 150 AMPS

ULTIMA® 150 Plasma Welding Systems

SYSTEM INCLUDES: POWER SOURCE, TORCH, COOLANT & SPARE PARTS KIT



ULTIMA 150 PLASMA WELDING SYSTEMS			
DC AMP RATING	SYSTEM DESCRIPTION	200-460VAC, 1/3PH, EMC	
		W/12.5 FT TORCH & LEADS	W/25 FT TORCH & LEADS
0.5-75 AMPS	PWH-2A, 70 DEG	1-1555-21	1-1556-21
	PWH-2A, 90 DEG	1-1555-22	1-1556-22
	PWH-2A, 180 DEG, OFFSET	1-1555-23	1-1556-23
10-100 AMPS	PWH-3A, 70 DEG	1-1555-31	1-1556-31
	PWH-3A, 90 DEG	1-1555-32	1-1556-32
	PWH-3A, 180 DEG, OFFSET	1-1555-33	1-1556-33
50-150 AMPS	PWH-4A, 70 DEG	1-1555-41	1-1556-41
	PWH-4A, 90 DEG	1-1555-42	1-1556-42
	PWH-4A, 180 DEG, OFFSET	1-1555-43	1-1556-43
	PWH-4A1, 180 DEG, INLINE	1-1555-53	1-1556-53
ULTIMA 150 OPTIONS	ULTIMA 150 POWER SOURCE ONLY	3-2772	
	QUICK DISCONNECT KIT (ALLOWS EXISTING TORCHES TO BE CONVERTED FOR USE WITH ULTIMA 150)	5-2990	

REPLACEMENT TORCHES	
PART NO.	DESCRIPTION
PWH/M-2A TORCH (WITH QUICK DISCONNECT)	
2-2100	70 deg. (H), 3.8m
2-2104	70 deg. (H), 7.6m
2-2101	90 deg. (H), 3.8m
2-2105	90 deg. (H), 7.6m
2-2102	180 deg. (H), offset 3.8m
2-2106	108 deg. (H) offset 7.6m
2-2103	180 deg. (M), offset 3.8m
2-2107	180 deg. (M), offset 7.6m

REPLACEMENT TORCHES	
PART NO.	DESCRIPTION
PWH/M-3A TORCH (WITH QUICK DISCONNECT)	
2-2110	70 deg. (H), 3.8m
2-2114	70 deg. (H), 7.6m
2-2111	90 deg. (H), 3.8m
2-2115	90 deg. (H), 7.6m
2-2112	180 deg. (H), offset 3.8m
2-2116	108 deg. (H) offset 7.6m
2-2113	180 deg. (M), offset 3.8m
2-2117	180 deg. (M), offset 7.6m

REPLACEMENT TORCHES	
PART NO.	DESCRIPTION
PWH/M-4A1 TORCH (WITH QUICK DISCONNECT)	
2-2120	70 deg. (H), 3.8m
2-2125	70 deg. (H), 7.6m
2-2119	90 deg. (H), 3.8m
2-2126	90 deg. (H), 7.6m
2-2121	180 deg. (H), offset 3.8m
2-2127	108 deg. (H) offset 7.6m
2-2122	180 deg. (M), offset 3.8m
2-2128	180 deg. (M), offset 7.6m
2-2123	180 deg. (H), inline 3.8m
2-2129	180 deg. (H), inline 7.6m
2-2124	180 deg. (M), inline 3.8m
2-2130	180 deg. (M), inline 7.6m

FEATURES AND BENEFITS OF THE ULTIMA 150

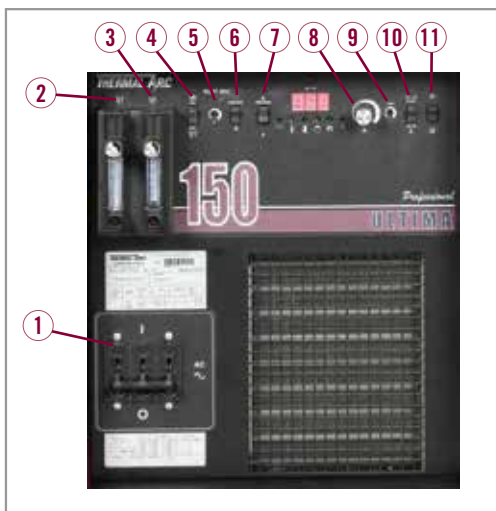
- **0.5-150 Amp current range** - providing quality performance on a wide variety of applications
- **Smooth DC arc** - repetitive, high quality welds
- **Pilot arc** - repeatable arc starting reducing defects and rework
- **Smart Logic** - circuit protects unit from damage if improper voltage is applied
- **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 flow protection/interlock
 - Coolant temperature protection/interlock
 - Console temperature overload detection/interlock
- **Simple interface** - automated or manual control

MACHINE SPECIFICATIONS

Processes	PAW Plasma Arc Welding
Rated Output	100A / 18V @ 100%
	150A / 25V @ 50%
Open Circuit Voltage	60V DC
Rated Output:	150A @ 50%
Amperage Range	Low: 0.5 - 15 A
	High: 5 - 150 A
Warranty	2 Years
Dimensions (H x W x D)	457mm x 381mm x 724mm
Weight	59 kg
Shipping Weight	72 kg

PRIMARY POWER

Primary Voltage	400 VAC
Supply Frequency	50/60 Hz
Number of Phases	3 ph



- 1 - System On/Off
- 2 - Shield Flow Control
- 3 - Plasma Flow Control
- 4 - Pilot Arc On/Set
- 5 - Pilot Current Adjust
- 6 - Pilot Current Preview
- 7 - Weld Current Preview / Actual
- 8 - Weld Current Adjust
- 9 - Current Limiter Adjust
- 10 - Weld Current Range
- 11 - Remote / Panel Control

OPTIONAL REMOTE CONTROLS

PRODUCT	PART #
Foot Control, 25 ft. (Includes 7-3316 Adapter Cable)	7-3080
HP-100 Hand Held Remote Control, 25 ft. (Req. 7-3316 Adapter Cable)	10-2005
Adapter Cable	7-3316