

AUTOMATION

Auto-Cut™ 100 Automated Plasma Cutting System

1/2" (12mm) Production Capacity

5/8" (15mm) Max Pierce Capacity

1 1/2" (40mm) Edge Start Capacity

	Thermal Dynamics®	Thermal Dynamics®	Hypertherm®	InnerLogic®	Kjellberg®	
Competitive Comparison	Auto-Cut 100	Merlin® 1000	powermax® 1650	SR100i	* FineFocus® 450	Auto-Cut 100 Advantages
Output Range	10-100 Amps	30-100 Amps	30-100 Amps	25-100 Amps	40-130 Amps	True Widespread Cutting Range
Production Capacity	1/2" (12mm)	1/2" (12mm)	1/2" (12mm)	1/2" (12mm)	1/2" (12mm)	
Max Piercing Capacity	5/8" (15mm)	3/4" (20mm)	3/4" (20mm)	1/2" (12mm)	1" (25mm)	
Edge Start Capacity	1-1/2" (38mm)	1-1/2" (38mm)	1-1/2" (38mm)	1-1/2" (38mm)	1-3/4" (45mm)	
Cut Speed @ 3/8" & Max Current	85 IPM	75 IPM	77 IPM	85 IPM	78 IPM	Fastest Cut Speed Available
Cut Speed @ 1/2" & Max Current	75 IPM	60 IPM	57 IPM	55 IPM	63 IPM	
Cut Speed @ 3/4" & Max Current	30 IPM	20 IPM	26 IPM	20 IPM	29 IPM	
Oxygen Plasma Capability	Yes	Yes	No	No	Yes	Oxygen Capability
Water Mist Secondary	Yes	Yes	No	No	No	Best Cut Quality @ Non Ferrous
Marking Capability	No	No	No	No	No	
Input Voltage	208-230/460V ±10%, 3ph, 50/60 Hz 400V ±10%, 3ph, 50/60 Hz 600V ±10%, 3ph, 50/60 Hz	208-230/460V, 3ph, 50/60 Hz 400V, 3ph, 50/60 Hz 460V, 3ph, 50/60 Hz	208-600V, 3ph	208V, 3ph, 60 Hz 230/460V, 3ph, 60 Hz 380V, 3ph, 50 Hz 415V, 3ph, 50 Hz 575V, 3ph, 60 Hz	400V, 3ph, 50 Hz	
Power Source	Inverter	Inverter	Inverter	Chopper	Chopper	
Duty Cycle	100% @ 100A @ 160 VDC	100% @ 100A @ 120 VDC	80% @ 100A @ 160 VDC	100% @ 100A @ 175 VDC	100% @ 100A	
Torch Cooling	Liquid	Liquid	Air	Air	Liquid	
Arc Starting	HF / DC Pilot	HF / DC Pilot	Internal Contact Start	HF / DC Pilot	HF / DC Pilot	
Auto Pilot Restart (expanded metal)	Yes	Yes	Yes	Yes	Yes	
Tip Saver Circuit	Yes	Yes	No	No	No	Better Parts Life
Over Voltage Protection	Yes	Yes	Yes	Yes	Yes	
Amperage Adjustment	Variable	Variable	Variable	Variable	Variable	
Torch Model	XT™-301	Maximizer® 300	T100 or T100M with ETR			
Dimensions	H 41.5" (1054mm) W 27.5" (700mm) L 38.5" (978mm)	H 42.0" (1066mm) W 20.5" (521mm) L 31.0" (787mm)	H 26.4" (671mm) W 16.8" (427mm) L 25.8" (655mm)	H 35.5" (902mm) W 22.0" (559mm) L 24.0" (610mm)	H 38.2" (970mm) W 30.4" (711mm) L 40.4" (1025mm)	
Weight	420 lbs. (191 kg)	250 lbs. (114 kg)	128 lbs. (58 kg)	400 lbs. (181 kg)	552 lbs. (251 kg)	
Warranty (Power Supply)	2 Years	2 Years	3 Years	3 Years	2 Years	

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*Not Available in the U.S.