

THERMAL DYNAMICS

AUTOMATION

Ultra-Cut™ 150 High Precision Plasma Cutting System

3/4" (20mm) Production Capacity

1" (20mm) Max. Pierce Capacity

2" (50mm) Edge Start Capacity

	Thermal Dynamics®	Hypertherm®	InnerLogic®	Kjellberg®	
Competitive Comparison	Ultra-Cut 150	HPR130	FineLine® 200	*HiFocus® 160i	Ultra-Cut 150 Advantages
Output Range	10-150 Amps	15-130 Amps	15-200 Amps	10-160 Amps	True Widespread Cutting Range
Production Capacity	3/4" (20mm)	5/8" (15mm)	1" (25mm)	1" (25mm)	
Max Piercing Capacity	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)	
Edge Start Capacity	2" (25mm)	1.5" (38mm)	2" (50mm)	2" (50mm)	
Cut Speed @ 3/8" & Max Current	120 IPM	110 IPM	140 IPM	105 IPM	
Cut Speed @ 1/2" & Max Current	110 IPM	80 IPM	110 IPM	94 IPM	Highest Cut Speed in its Class
Cut Speed @ 3/4" & Max Current	50 IPM	45 IPM	65 IPM	55 IPM	
Oxygen Plasma Capability	Yes	Yes	Yes	Yes	
Water Mist Secondary	Yes	No	No	No	Excellent on S.S. and Aluminum
Marking Capability	Yes	Yes	Yes	Yes	
Input Voltage	208-230/460V ±10%, 3ph, 50/60 Hz 400V ±10%, 3ph, 50/60 Hz 600V ±10%, 3ph, 50/60 Hz	200/208/220/240/380/415/ 480/600V, 3ph, 50/60 Hz	208V, 3ph, 60 Hz 230V, 3ph, 60 Hz 380V, 3ph, 50 Hz 415V, 3ph, 50 Hz 600V, 3ph, 60 Hz	400V, 3ph, 50 Hz	
Power Source	Inverter	Chopper	Chopper	Inverter	
Duty Cycle	100% @ 100A @ 180 VDC	100% @ 130A @ 150 VDC	100% @ 200A @ 175 VDC	100% @ 80A @ 160 VDC	Highest kW Output
Torch Cooling	Liquid	Liquid	Liquid	Liquid	
Arc Starting	Capacitive Discharge Pulsed DC	HF / DC Pilot	HF / DC Pilot	HF / DC Pilot	Uninterrupted Arc Starting, Excellent for Expanded Metal Cutting
Auto Pilot Restart (expanded metal)	Yes	Yes	Yes	Yes	
Tip Saver Circuit	Yes	No	No	No	Better Parts Life
Over Voltage Protection	Yes	Yes	Yes	Yes	
Amperage Adjustment	Variable	Variable	Variable	Variable	
Torch Model	XT™-300	PAC 186	FineLine Torch	PerCut 160	XT™ Technology
Dimensions	H 41.5" (1054mm) W 27.5" (700mm) L 38.5" (978mm)	H 42.5" (1079mm) W 22.3" (566mm) L 38.1" (967mm)	H 48" (1219mm) W 30" (762mm) L 43" (1092mm)	H 37.4" (950mm) W 21.2" (540mm) L 41.3" (1050mm)	
Weight	420 lbs. (191 kg)	700 lbs. (317 kg)	700 lbs. (317 kg)	431 lbs. (196 kg)	
Warranty (Power Supply)	2 Years	2 Years	3 Years	2 Years	

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