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KALIBURN

KALIBURN ProLine 2150 150 amp High Current Density Plasma Cutting System



The ProLine 2150 by KALIBURN is a 150 amp precision high current density plasma cutting system that combines precise, square, and virtually dross-free cuts with excellent speeds on gauge thick metals to 1" (25.0mm) thick, and it has a maximum capacity to 1 1/2" (38.0mm).

Uncompromising cut quality, combined with excellent processing speed and the lowest initial investment, equates to the best value in precision high current density plasma. Even competitors' systems costing many thousands of dollars more cannot offer better cut quality or match the ProLine 2150's productivity.

With the ProLine 2150's manual controls, you can tailor all of the cutting parameters to your specifications. Optionally, our patented INOVA torch height control system can be built into the ProLine 2150, greatly simplifying installation.

If you need to cut gauge thicknesses through 1" (25.0mm) metals with square, clean, virtually dross-free edges while closely monitoring initial costs, the ProLine 2150 by KALIBURN is the machine of choice.

Mild Steel Production Capacity	Max. Thickness (Edge Start, with dross)
1" (25.0mm)	1-1/2" (38.0mm)

ProLine2150

The ProLine 2150 is one of the three systems in the KALIBURN "ProLine" family. The ProLine 2200 and ProLine 2260 offer identical cut quality but each has a unique amperage range and corresponding thickness capacity. KALIBURN also offers four fully automated machines in the "Spirit" family; Spirit150a, Spirit200a, Spirit275a and Spirit400a. These machines are our most advanced systems and provide cut quality identical to the ProLine systems. With Spirit systems, all process parameters are set automatically for ease of operation.

3-YEAR POWER SUPPLY WARRANTY












Engineered for life

SPECIFICATIONS

RATED 150 amps DC @ 100% duty cycle (@ 104° F / 40° C)		
3 PHASE INPUT VOLTAGE & AMPERAGE		
208V	60Hz	74A
230V	60Hz	67A
380V	50/60Hz	41A
415V	50/60Hz	38A
460V	60Hz	34A
575V	60Hz	27A
DIMENSIONS		
POWER SUPPLY (including AGC)		
WEIGHT	700lb (317kg)	
HEIGHT	48in (1219mm)	
WIDTH	30in (762mm)	
DEPTH	43in (1092mm)	
GAS SUPPLY		
PLASMA GAS		
O ₂	AIR	H17*
SHIELD GAS		
AIR	O ₂	N ₂

* H17 = 50% N₂, 32.5% Ar, 17.5% H₂

FEATURES

-  High current density cuts are virtually dross free and square (2° or less bevel)
-  **SP**® and **CE** approval available
-  400 ampere IGBT chopper transistor for high reliability
-  Fast switch transferred arc for extended nozzle life
-  Advanced technology, high efficiency chopper-stabilizer current output
-  70 GPH recirculating torch coolant system
-  Current overshoot reduction circuitry for longer electrode and nozzle life
-  Very low transferred arc current sensing for higher starting height and longer nozzle shield life
-  Extends electrode life through a patented process
-  Marking capability
-  Optional INOVA's control electronics are housed in the manual gas console atop the power supply



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	AMP	Thickness (in)	Speed (ipm)	Thickness (mm)	Speed (m/min)	GAS
MILD STEEL	30	0.036	105	1.0	2.615	O ₂ plasma O ₂ shield
		0.075	65	2.0	1.615	
		0.135	40	3.0	1.285	
	50	0.075	200	2.5	4.885	O ₂ plasma Air shield
		0.125	180	3.0	4.660	
		1/4	75	6.0	2.075	
	70	0.125	190	3.0	4.995	
		1/4	120	5.0	3.265	
		3/8	75	6.0	3.105	
	100	1/4	150	6.0	3.950	
		1/2	65	12.0	1.850	
		3/4	35	20.0	0.800	
150	1/4	165	6.0	4.305		
	1/2	90	12.0	2.485		
	1	40	25.0	1.040		
		1 1/4*	25	32.0*	0.625	
		1 1/2*	15	38.0*	0.385	
STAINLESS STEEL	30	0.036	200	1.0	4.855	AIR plasma AIR shield
		0.075	90	1.5	3.260	
	50	0.075	105	2.0	2.565	Air plasma N ₂ shield
		0.120	65	3.0	1.685	
		1/4	40	6.0	1.075	
	70	0.135	120	3.0	3.210	
		3/8	50	6.0	2.050	
	100	3/8	80	10.0	1.935	
		1/2	55	12.0	1.540	
	150	1/4	150	6.0	3.910	
		1/2	85	12.0	2.330	
		3/4	45	20.0	1.030	
70	3/16	80	5.0	2.030	H17 plasma N ₂ shield	
100	1/4	100	6.0	2.625		
150	1/2	60	12.0	1.610		
	3/4	40	20.0	0.940		
ALUMINUM	30	0.040	150	1.0	3.885	Air plasma N ₂ shield
		0.080	90	2.0	2.360	
	50	0.080	250	2.0	6.400	
		3/16	80	5.0	1.920	
	70	1/2	30	12.0	0.820	
		1/4	105	6.0	2.710	
	100	3/8	90	10.0	2.210	
		1/2	70	12.0	1.890	
	150	1/4	145	6.0	3.770	
		1/2	90	12.0	2.430	
		3/4	45	20.0	0.990	

* Requires edge start or moving pierce

OPTIONAL

The ProLine 2150 is available with the industry standard INOVA Torch Height Control system. In this configuration the control electronics are housed in the manual gas console atop the power supply. Also, a pneumatic safety switch can be added to protect the torch from collision damage.



INOVA Torch Height Control

3-YEAR POWER SUPPLY WARRANTY