

KALIBURN

KALIBURN ProLine 2200 200 amp High Current Density Plasma Cutting System



The ProLine 2200 is a full function, precision, high current density 200 amp plasma system that combines precise, square, and virtually dross-free cuts with excellent speeds. If you are facing a high quality, heavy-duty job without a heavy-duty budget, the ProLine 2200 is your answer. The system offers all of the benefits of precision, high current density plasma at a fraction of the cost of other systems.

The ProLine 2200 is capable of production cutting gauge thicknesses through 1 1/4" (32.0mm) thick with a maximum capacity of 2" (50.0mm).

The ProLine 2200 is equipped with manual controls so that 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 2200, greatly simplifying installation.

If you are looking for precision, high current density plasma process technology at a price comparable to conventional plasma, the decision to purchase a ProLine 2200 plasma system from KALIBURN is truly a "no-brainer"!

Mild Steel Production Capacity	Max. Thickness (Edge Start, with dross)
1-1/4" (32.0mm)	2" (50.0mm)

 **ProLine2200**

The ProLine 2200 is one of the three systems in the KALIBURN "ProLine" family. The ProLine 2150 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 200 amps DC @ 100% duty cycle (@ 104° F / 40° C

3 PHASE INPUT VOLTAGE & AMPERAGE

208V	60Hz	115A
230V	60Hz	104A
380V	50/60Hz	63A
415V	50/60Hz	58A
460V	60Hz	52A
575V	60Hz	42A

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*	N ₂
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)
-  **SR**® and **CE** approval available
-  600 ampere IGBT chopper transistor for high reliability
-  Fast switch transferred arc for extended nozzle life
-  Advanced technology, high efficiency chopper-stabilized 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

OPTIONAL

The ProLine 2200 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

	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		
200	1/4	230	6.0	6.100		
	1/2	120	12.0	3.160		
	3/4	75	20.0	1.810		
	1	50	25.0	1.310		
	1 1/2*	17	38.0*	0.435		
	2*	7	50.0*	0.195		
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	
	70	1/4	40	6.0	1.075	
		0.135	120	3.0	3.210	
	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	
	200	1/4	200	6.0	5.220	
		5/8	75	16.0	1.890	
		1	40	25.0	1.050	
		1 1/2*	20	32.0*	0.495	
	70	2*	10	38.0*	0.260	
		3/16	80	5.0	2.030	
	100	1/4	100	6.0	2.625	
1/2		60	12.0	1.610		
150	3/4	40	20.0	0.940		
	3/8	80	10.0	2.010		
200	5/8	60	16.0	1.515		
	1	35	25.0	0.915		
ALUMINUM	30	0.040	150	1.0	3.885	AIR plasma N ₂ shield
	50	0.080	90	2.0	2.360	
	70	0.080	250	2.0	6.400	
		3/16	80	5.0	1.920	
	100	1/2	30	12.0	0.820	
		1/4	105	6.0	2.710	
	150	3/8	90	10.0	2.210	
		1/2	70	12.0	1.890	
	200	1/4	145	6.0	3.770	
		1/2	90	12.0	2.430	
		3/4	45	20.0	0.990	
		1/4	190	6.0	4.955	
1/2	110	12.0	2.995			
3/4	65	20.0	1.575			
1*	35	25.0*	0.940			

* Requires edge start or moving pierce

3-YEAR POWER SUPPLY WARRANTY



Cleveland Motion Controls
 (800) 321-8072
 (216) 524-8800
 7550 Hub Parkway
 Cleveland, OH 44125

+49-6063-9314-0
 Werkstrasse 5
 D-64732, Bad Koenig
 GERMANY

KALIBURN, Inc.
 (800) 252-2850
 (843) 795-4286
 455 Fleming Road
 Charleston, SC 29412