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KALIBURN

KALIBURN ProLine 2260 275 amp High Current Density Plasma Cutting System



ProLine2260

The ProLine 2260 offers expanded thickness capability and optimized cutting speeds and is the highest amperage precision high current density plasma cutting system in the ProLine family. This manually controlled 275 amp system can cut most metals up to 1 1/4" (32.0mm) thick, and has a maximum capacity of 2 1/2" (65.0mm).

Uncompromising precision cut quality, combined with excellent processing speed and low initial investment, equates to the lowest possible cost to produce quality finished parts.

With the ProLine 2260'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 2260, greatly simplifying installation.

Whether you need precise, clean, virtually dross-free edges on thinner metals or you need the same high quality when cutting 1 inch steel at 65 inches per minute, the ProLine 2260 can deliver. If your goals include maximum productivity on a wide range of thicknesses, combined with optimum cut quality, economical operation, and modest initial cost, the ProLine 2260 by KALIBURN is the plasma system for you.

Mild Steel Production Capacity	Max. Thickness (Edge Start, with dross)
1-1/4" (32.0mm)	2-1/2" (65.0mm)

The ProLine 2260 is one of the three systems in the KALIBURN "ProLine" family. The ProLine 2150 and ProLine 2200 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 275 amps DC @ 100% duty cycle (@ 104° F / 40° C)

3 PHASE INPUT VOLTAGE & AMPERAGE

208V	60Hz	147A
230V	60Hz	133A
380V	50/60Hz	81A
415V	50/60Hz	74A
460V	60Hz	67A
575V	60Hz	53A

DIMENSIONS

POWER SUPPLY (including AGC)

WEIGHT	900lb (408kg)
HEIGHT	48in (1219mm)
WIDTH	32.5in (826mm)
DEPTH	43in (1092mm)

GAS SUPPLY

PLASMA GAS

O ₂	AIR	H17*	N ₂
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SHIELD GAS

AIR	O ₂	N ₂
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* 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
- Dual 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 2260 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



Cleveland Motion Controls	KALIBURN, Inc.
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(216) 524-8800	(843) 795-4286
7550 Hub Parkway	455 Fleming Road
Cleveland, OH 44125	Charleston, SC 29412

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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	
STAINLESS STEEL	30	0.036	200	1.0	4.855	AIR plasma AIR shield
		0.075	90	1.5	3.260	
		0.120	105	2.0	2.565	
	50	0.120	65	3.0	1.685	Air plasma N ₂ shield
		1/4	40	6.0	1.075	
		0.135	120	3.0	3.210	
	70	3/8	50	6.0	2.050	
		1/2	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	
	275	1/2	120	12.0	3.220	
		3/4	80	20.0	1.940	
		1	55	25.0	1.435	
	70	1 1/4*	35	32.0*	0.880	H17 plasma N ₂ shield
		1 1/2*	25	38.0*	0.640	
		3/16	80	5.0	2.030	
	100	1/4	100	6.0	2.625	
		1/2	60	12.0	1.610	
		3/4	40	20.0	0.940	
	150	3/8	80	10.0	2.010	
		5/8	60	16.0	1.515	
		1	35	25.0	0.915	
	200	3/8	85	10.0	2.140	
		3/4	55	20.0	1.315	
		1	33	25.0	0.875	
ALUMINUM	30	1 1/4*	26	32.0*	0.650	Air plasma N ₂ shield
		0.040	150	1.0	3.885	
		0.080	90	2.0	2.360	
	50	0.080	250	2.0	6.400	
		3/16	80	5.0	1.920	
		1/2	30	12.0	0.820	
	70	1/4	105	6.0	2.710	
		3/8	90	10.0	2.210	
		1/2	70	12.0	1.890	
	100	1/4	145	6.0	3.770	
		1/2	90	12.0	2.430	
		3/4	45	20.0	0.990	
	150	1/4	190	6.0	4.955	
		1/2	110	12.0	2.995	
		3/4	65	20.0	1.575	
	200	3/8	160	10.0	3.930	
		1/2	125	12.0	3.375	
		3/4	85	20.0	2.055	
	275	1*	60	25.0*	1.565	
		1 1/4*	45	32.0*	1.120	
		1 1/2	25	38.0	0.645	

* Requires edge start or moving pierce

3-YEAR POWER SUPPLY WARRANTY