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# The FABRICATOR's 2002 GTAW Power Source Buyers' Guide®



Photo courtesy of Miller Electric Mfg. Co., Appleton, Wis.

*Tell these companies you saw their product in The FABRICATOR®.*

Company Name	Model or Series	Power Source	Welding Output Mode		Minimum-Maximum Power Range		Power at 100% Duty Cycle		Rated Input Voltage	Required Amp Draw at Rated Output	Phase		Start		Controls/Features												
			CC	CC/CV	AC	DC	AC	DC			Single	Three	Auto Voltage Linking	Scratch	Touch/Lift	HF	Pulsing	Sequence	Trigger Hold	Spot Time	4T	Programmable	Remote	Adjustable	Crater	Start	Final
ARC MACHINES INC. Pacoima, CA <a href="#">Write 250 on reply card</a>	207A	Inverter	✓			5-150		150	100-240	20	✓				✓	✓					✓	✓	✓	✓	✓	✓	
	207A HP	Inverter	✓			5-150		150	100-240	20	✓				✓	✓					✓	✓	✓	✓	✓	✓	
	227	Inverter	✓			5-225		150	200-240	30	✓				✓	✓					✓	✓	✓	✓	✓	✓	
	415	Thompson Buck Converter	✓			5-400		400	Any 3 Ø	42-22		✓			✓	✓					✓	✓	✓	✓	✓	✓	
	405	Thompson Buck Converter	✓		✓			400	Any 3 Ø	42-22		✓			✓	✓					✓	✓	✓	✓	✓	✓	
ESAB WELDING & CUTTING PRODUCTS Florence, SC <a href="#">Write 251 on reply card</a>	Miniarc 90i	Inverter	✓			3-90		90A @24 VDC 35%	115 50/60 Hz	27	✓			✓							✓	✓					
	Miniarc 140i	Inverter	✓			3-140		140A @26 VDC 35%	230 50/60 Hz	22	✓			✓							✓	✓					
	Heliarc 161	Inverter	✓		5-160	5-160	160A @16.4 VAC 40%	160A @16.4 VDC 40%	230 50/60 Hz	27	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Heliarc 252	Transformer/ SCR	✓		5-320	5-320	280A @30 VAC 40%	280A @30 VDC 40%	230/460 60 Hz	112/56	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Heliarc 352	Transformer/ SCR	✓		3-400	3-400	350A @34 VAC 40%	350A @34 VDC 40%	230/460 60 Hz	152/76	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
HOBART WELDERS Lithonia, GA <a href="#">Write 252 on reply card</a>	TIGMATE™	Phase Control	✓		20-165	30-160	150A @20%	150A @20%	200/230/ 460	60/52/33	✓		✓	✓							✓						
LIBURDI DIMETRICS Davidson, NC <a href="#">Write 253 on reply card</a>	150PTW	Inverter	✓			1-150		90	115/230	30/16	✓				✓	✓	✓				✓	✓	✓		✓	✓	
	MTW160	Inverter	✓			2-160		90	115/230	16	✓		✓		✓	✓	✓				✓	✓	✓		✓	✓	
	Orbitig 350	Inverter	✓			1-350		350	200/230 400/460	40		✓			✓	✓	✓				✓	✓	✓		✓	✓	
	Gold Track V	Inverter	✓			1-500		500	200/230 400/460	60/52/30/26		✓			✓	✓	✓				✓	✓	✓		✓	✓	
	Talon 500	Inverter	✓			1-500		500	200/230 400/460	40		✓			✓												
	Gold Track VP	Transister	✓			5-250		200	400/480	20		✓			✓	✓	✓				✓	✓	✓		✓	✓	

# 2002 GTAW POWER SOURCE BUYERS' GUIDE®

Company Name	Model or Series	Power Source	Welding Output Mode		Minimum-Maximum Power Range		Power at 100% Duty Cycle		Rated Input Voltage	Required Amp Draw at Rated Output	Phase		Start		Controls/Features												
			CC	CC/CV	AC	DC	AC	DC			Single	Three	Auto Voltage Linking	Scratch	Touch/Lift	HF	Pulsing	Sequence	Trigger Hold	Spot Time	4T	Programmable	Remote	Adjustable	Crater	Start	Final
LIBURDI ENGINEERING LTD. Dundas, ON <a href="#">Write 254 on reply card</a>	Pulsweld	LT-100	✓		1-100						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		LT-200	✓		1-200		5 kVA	3 kW	480 VAC	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		LT-400	✓		1-400		10 kVA	6 kW	480 VAC	30/15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		LT-600	✓		1-600		15 kVA	9 kW	480 VAC	15		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		LT-800	✓		1-800		20 kVA	15 kW	480 VAC	30		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		LT-200 VP	✓		1-200		5 kVA	3 kW	480 VAC	15		✓			✓	✓	✓				✓	✓	✓	✓	✓	✓	
		LT-400 VP	✓		1-400		10 kVA	8 kW	480 VAC	30		✓			✓	✓	✓				✓	✓	✓	✓	✓	✓	
LINCOLN ELECTRIC COMPANY, THE Cleveland, OH <a href="#">Write 255 on reply card</a>	Square Wave™ TIG 175 Pro	SCR Transformer	✓		8-175	8-175	90A @23.6V	90A @23.6V	208/230 or 460/575	59/53 27/22	✓				✓	✓						✓					
	Precision™ TIG 275	SCR Transformer	✓		5-340	2-340	200A @28V	200A @28V	208/230/460 or 460/575	77/70/35 35/28	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Precision™ TIG 375	SCR Transformer	✓		5-420	2-420	300A @32V	300A @32V	208/230/460 or 460/575	80/72/36 72/36/29	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Invertec® V160-T	Inverter	✓			5-160		130A @25V	115/230	29/19	✓		✓		✓	✓	✓		✓	✓	✓	✓	✓				
	Invertec® V205-T AC/DC	Inverter	✓		6-200	6-200	130A @25V	140A @15V	115/230	20/15	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MILLER ELECTRIC MFG. CO. Lithonia, GA <a href="#">Write 256 on reply card</a>	Maxstar® 140 STR	Inverter	✓			5-140		80/100	115/230	26/20	✓		✓	✓	✓							✓					
	Maxstar® 200 SD	Inverter	✓			1-200		175A @60% 150A @70%	200/230/460 120/200/230	12.1/10.5/5.2 29.7/17.1/14.1		✓	✓	✓	✓	✓	✓		✓			✓					
	Maxstar® 200 DX	Inverter	✓			1-200		175A @60% 150A @70%	200/230/460 120/200/230	12.1/10.5/5.2 29.7/17.1/14.1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Maxstar® 200 LX	Inverter	✓			1-200		175A @60% 150A @70%	200/230/460 120/200/230	12.1/10.5/5.2 29.7/17.1/14.1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Maxstar® 300 SD	Inverter	✓			5-300		250A @60% 200A @70%	230/460 230	25.4/16.2 40.2		✓	✓	✓	✓	✓	✓		✓			✓					
	Maxstar® 300 DX	Inverter	✓			5-300		250A @60% 200A @70%	230/460 230	25.4/16.2 40.2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Maxstar® 300 LX	Inverter	✓			5-300		250A @60% 200A @70%	230/460 230	25.4/16.2 40.2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Econotig®	Phase Control	✓		20-165	30-160	150A @20%	150A @20%	200/230/460	60/52/33	✓			✓		✓						✓					
	Syncrowave® 180 SD	Phase Control	✓		10-180	10-180	150A @40%	150A @40%	208/230	68/68	✓			✓		✓	✓					✓					
	Syncrowave® 250 DX	Phase Control	✓		5-310	5-310	200A @60%	200A @60%	208/230/460/575	88/77/38/31	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Dynasty™ 300 SD	Inverter	✓		5-300	5-300	250A @40%	250A @40% 200A @70%	230/460 230	26.3/17 63	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓				
	Dynasty™ 300 DX	Inverter	✓		5-300	5-300	250A @40%	250A @40% 200A @70%	230/460 230	26.3/17 63	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Dynasty™ 300 LX	Inverter	✓		5-300	5-300	250A @40%	250A @40% 200A @70%	230/460 230	26.3/17 63	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Syncrowave® 350 LX	Phase Control	✓		3-400	3-400	350A @40%	350A @40%	200/230/460/575	129/112/56/45	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Aerowave®	Phase Control	✓		1-375	1-375	300A @60% 200A @70%	300A @60% 200A @70%	200/230/460/575 200/230/460	129/112/56/45 51/44/22	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Syncrowave® 500	Phase Control	✓		25-625	25-625	500A @60%	500A @60%	200/230/460/575	206/180/90/72	✓			✓		✓	✓					✓					

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			CC	CC/CV	AC	DC	AC	DC			Single	Three	Auto Voltage Linking	Scratch	Touch/Lift	HF	Pulsing	Sequence	Trigger Hold	Spot Time	4T	Programmable	Remote	Adjustable	Crater	Start	Final	
PANASONIC FACTORY AUTOMATION Franklin Park, IL <a href="#">Write 257 on reply card</a>	Gunslinger 260T	SCR		✓		35-150			208/230/460		✓				✓	✓							✓	✓	✓	✓	✓	
	WX-III 300	Twin Inverter		✓	10-300	4-300			230/460 AC			✓		✓	✓							✓	✓	✓	✓	✓		
THERMAL ARC INC. Troy, OH <a href="#">Write 258 on reply card</a>	P-Wee 130 GTS	Inverter	✓			5-130		80	115/208/230	16	✓		✓	✓	✓				✓			✓	✓	✓				
	P-Wee 200 GTS	Inverter	✓			5-200		100	115/208/230	33	✓		✓	✓	✓				✓			✓	✓	✓				
	P-Wee 250 GTS	Inverter	✓			5-250		100	230/460	23	✓		✓	✓	✓				✓			✓	✓	✓				
	Pro-Plus 400 GTS	Inverter	✓			5-400		230	208/230/460	24	✓	✓			✓	✓	✓				✓	✓	✓					
	Pro-Wave 300 GTSW	Inverter	✓		10-300	5-300	160	160	208/230/460	17	✓	✓			✓	✓	✓				✓	✓	✓					
	Pro-Wave 400 GTSW	Inverter	✓		10-470	5-470	250	250	208/230/460	29	✓	✓			✓	✓	✓				✓	✓	✓					

The information presented in this buyers' guide was provided by the manufacturers. For additional information about the products, please use the Reader Action Card.  
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2003 GTAW Power Source Buyers' Guide®

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