

LONGEVITY

The power to last!™

MultiPurpose Welding/Cutting Machines

WeldMax™
WeldAll™



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LONGEVITY GLOBAL, INC 23591 FOLEY ST HAYWARD, CA 94545

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LONGEVITY Global, Inc offers a wide variety of multiprocess welding and plasma cutting equipment for hobby and commercial use. Our WeldAll® and WeldMax™ series welding machines include the following functions: TIG Welding, Stick Welding, and Plasma Cutting all built around industry leading IGBT Technology. The WeldAll® and the WeldMax™ series feature Constant Arc plasma cutting technology, Arc Lift or High Frequency, and the WeldAll® features both ACDC TIG welding capability. Our featured WeldAll® 360 multiprocess machine features a powerful 60amp plasma cutter capable of cutting 1" of steel, a 315 amp ACDC TIG Welder, which requires a LONGEVITY Water Cooler (sold separately), and comes along with a powerful stick welder. This machine runs on 220v-3phase. If you are looking for a portable, powerful, all-in-one welding/cutting machine, the WeldAll® and WeldMax™ multiprocess equipment are excellent choices!



Multi-Purpose Welders	Class Gouging Piercing	Voltage/Plasma Cutting (PAC) Specs	"Rated" Cutting Thicknesses* at 220 V Input			TIG (GTAW) Welder Specs	STICK /ARC (SMAW) Welder Specs	Recommended Generator Power
			Mild Steel	Stainless Steel	Aluminum			
IGBT TECHNOLOGY WeldMax 164	● ● ●	60% Duty Cycle at 40 Amps (220/240V Input)	1/2 in	1/2 in	1/4 in	10-160Amp at 60% DUTY CYCLE (DC Only) This will not weld Aluminum	150AMP at 60% DUTY CYCLE (DC Only)	6500 watts
	● ● ●	35% Duty Cycle at 50 Amps (220/240V Input)	3/4 in	3/4 in	3/8 in	10-200Amp at 60% DUTY CYCLE (DC ONLY) This will not weld Aluminum	160AMP at 60% DUTY CYCLE (DC Only)	6500 watts
	● ● ●	35% Duty Cycle at 50 Amps (220/240V Input)	3/4 in	3/4 in	3/8 in	10-250Amp at 60% DUTY CYCLE (DC ONLY) This will not weld Aluminum	200AMP at 60% DUTY CYCLE (DC Only)	7500 watts
IGBT TECHNOLOGY WeldAll 160PI	● ● ●	60% Duty Cycle at 40 Amps (220/240V Input)	1/2 in	1/2 in	AC Plasma Cutting Function for Cutting up to 1/2 in. Aluminum	5-160Amp at 60% DUTY CYCLE (AC/DC GTAW PULSE) This will weld Aluminum	140AMP at 60% DUTY CYCLE (DC Only)	6500 watts
	● ● ●	60% Duty Cycle at 50 Amps (220/240V Input)	3/4 in	3/4 in	AC Plasma Cutting Function for Cutting up to 3/4 in. Aluminum	5-200AMP at 60% DUTY CYCLE (AC/DC GTAW PULSE) This will weld Aluminum	160AMP at 60% DUTY CYCLE (DC Only)	6500 watts
	● ● ●	60% Duty Cycle at 50 Amps (220/240V Input)	3/4 in	3/4 in	AC Plasma Cutting Function for Cutting up to 3/4 in. Aluminum	10-250AMP at 60% DUTY CYCLE (AC/DC GTAW PULSE) This will weld Aluminum	200AMP at 60% DUTY CYCLE (DC Only)	7500 watts
	● ● ●	60% Duty Cycle at 60 Amps (220/240V-3 Phase Input)	1 in	1 in	AC Plasma Cutting Function for Cutting up to 1 in. Aluminum	10-315AMP at 60% DUTY CYCLE (AC/DC GTAW PULSE) This will weld Aluminum	250AMP at 60% DUTY CYCLE (DC Only)	10000 watts (3-Phase)



IGBT

CC

AC/DC

PULSE

GTAW-P

SMAW

REMOTE PANEL

50/60
HZ

1 PHASE

COOL
HIGH OUTPUT

5
YEAR WARRANTY

WeldMax

WeldAll

LONGEVITY[®]

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Plasma Cutter Welding/Cutting Machines

PlasmaPro[™]

ForceCut[®]



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LONGEVITY Global, Inc offers portable and powerful plasma cutters ranging from 20 to 250 amps, which are capable of cutting anything from light gauge metals to 3 inches of metal. Our industry leading ForceCut® series features reliable IGBT Technology and is designed for easy incorporation with CNC automated tables. LONGEVITY also offers plasma cutters that are dual voltage (110v/220v) in case you are in need of cutting power on the go. Whether you are a hobbyist or a professional metal worker, LONGEVITY has the right cutting equipment for you! The ForceCut® plasma cutter line is affordable, powerful, reliable, and extremely portable enabling you to cut metal cleanly and efficiently at any location! Aside from the great value, our plasma cutter consumables are more affordable so your operating costs are far less making LONGEVITY the ultimate choice for your plasma cutting needs!



Plasma Cutters	Rated Output	*Rated* Cutting Thicknesses at 220 V (110V reduces power in half)*			Recommended Generator Power	
		Mild Steel	Stainless Steel	Aluminum		
IGBT TECHNOLOGY 1-Phase	ForceCut® 40D Plasma Cutter	40 Amps at 60% (220V Input) or 20 Amps at 60% (110V Input)	1/2 in	1/2 in	1/4 in	5000 watts
	ForceCut® 50D Plasma Cutter	50 Amps at 60% (220V Input) or 25 Amps at 60% (110V Input)	3/4 in	3/4 in	3/8 in	5000 watts
	ForceCut® 40i Plasma Cutter	40 Amps at 60% (220/240V Input)	1/2 in	1/2 in	1/4 in	6500 watts
	ForceCut® 50i Plasma Cutter	50 Amps at 60% (220/240V Input)	3/4 in	3/4 in	3/8 in	6500 watts
	ForceCut® 60i Plasma Cutter	60 Amps at 60% (220/240V Input)	1 in	1 in	1/2 in	7000 watts
	ForceCut® 80i Plasma Cutter	80 Amps at 60% (220/240V Input)	1 1/2 in	1 1/2 in	3/4 in	9000 watts
3-Phase	PlasmaPro® 100 Plasma Cutter	100 Amps at 60% (230V Input 3 phase)	2 in	2 in	1 in	10,000 watts (3 Phase)



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50/60 HZ

1 PHASE

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PlasmaPro

ForceCut

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TIG Welder Welding/Cutting Machines

TigWeld[™]



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LONGEVITY Global, Inc offers portable, powerful, and reliable TIG welders with our TigWeld™ series, which features TIG Welders from 200-500amps. LONGEVITY TIG welders are capable of welding in both AC and DC modes, feature pulse, square wave, and stick welding capabilities as just some of the highlights. Powered by commercial grade IGBT technology, our TIG machines allow you to get your welding done for every metal including aluminum from thicknesses of razor blades, sheet metal, to 1 ½" thick materials. In fact, LONGEVITY's TigWeld line is one of our leading TIG welding brand in the USA. Our machines have been compared to other brands and professional welders have commented on how well they weld. LONGEVITY is committed to keeping the pricing affordable, but the quality top notch. Our TigWeld line is priced far below the competition, but if you compare the equipment side by side, you will see that we excel.



TIG Welders (GTAW) / GTAW-P)	TIG Output (Amps)	DC TIG Material Thickness	AC TIG Material Thickness	Stick (ARC) Electrode Maximum Diameter (E7018)	DC Stick (ARC) Output
DC (for welding all metals Except aluminum) TigWeld 200	5-200 AMP at 60% Duty Cycle	.012-1/2"	N/A	5/32"	5-160 Amps at 60% Duty Cycle
AC/DC TIG Welding (For All Metals Including Aluminum) TigWeld 250 AC/DC	DC: 10-250 Amps AC: 20 -250 Amps 60% Duty Cycle	.012-3/4"	.012-3/4"	5/32"	10-200 Amps at 60% Duty Cycle
TigWeld 315 AC/DC	DC: 20-315 Amps AC: 40 -315 Amps 60% Duty Cycle	.012-1"	.012-1"	5/32"	20-250 Amps at 60% Duty Cycle



IGBT CC AC/DC PULSE GTAW-P

SMAW REMOTE PANEL 50/60 HZ I PHASE COOL HIGH OUTPUT 5 YEAR WARRANTY

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MIG Welding Welding/Cutting Machines

ArcMate®
MigWeld™



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LONGEVITY Global, Inc offers portable, powerful, and reliable MIG welders with our MIGWeld™ series, which features MIG Welding equipment ranging from 160-500amps. LONGEVITY MIG welders are capable of welding all sort of metals including aluminum with an optional SpeedAdjust™ spool gun, feature square wave, voltage control, wire speed control and are capable of .030 and .035 welding wire. Most LONGEVITY MIG

Welders are also capable of Stick Welding as well adding more flexibility to your choice of welding. Powered by IGBT technology, our MIG Welding Equipment is reliable and efficient putting out no less than 35% duty cycle. In fact, LONGEVITY's MIGWeld™ line is one of the leading MIG welding machines in the USA. LONGEVITY is committed to keeping the pricing affordable, but the quality top notch. Our MIGWeld™ line is priced far below the competition, but if you compare our MIG machines vs other brands side by side, you will see why choosing LONGEVITY is the right choice.



IGBT MIG / MAG Welder (GMAW) (GMAW-P)	Class	MIG	MIG-P	Flux Core	Portability	MIG Min./Max. Output (Amps)	Max Spool Size Capability	Spool Gun Capable	Weldable Metals	Stick Welder (Option)	DC Stick Material Thickness	Stick (ARC) Electrode Maximum Diameter (E7018)
ArcMate® 160	●	●	N/A	●	Very Portable	30-160Amps: 35% Duty Cycle at 160 Amps	10 lb. Internal Spool Feeder	SpeedAdjust 8M Spool Gun	Stainless Steel, Mid Steel, Aluminum with Spool Gun	30-135Amps 35% Duty Cycle at 135Amps	.012- 3/8"	5/32"
220v 1-Phase												
ArcMate® 205	●	●	N/A	●	Very Portable	40-200Amps 35% Duty Cycle at 200 Amps	10 lb. Internal Spool	SpeedAdjust 8M Spool Gun	Stainless Steel, Mid Steel, Aluminum with Spool Gun	40-160Amps 35% Duty Cycle at 160Amps	.012- 1/2"	5/32"
220v 1-Phase or 3-Phase												
MigWeld® 250	●	●	●	●	Moderately Portable	40-250Amps 35% Duty Cycle at 250 Amps	30 lb. Internal Spool	SpeedAdjust 8M Spool Gun	Stainless Steel, Mid Steel, Aluminum with Spool Gun	N/A	N/A	N/A
220v 3-Phase												
MigWeld® 303	●	●	●	●	Moderately Portable	40-300Amps 35% Duty Cycle at 300 Amps	30 lb. Internal Spool	SpeedAdjust 8M Spool Gun	Stainless Steel, Mid Steel, Aluminum with Spool Gun	N/A	N/A	N/A
220v 3-Phase												



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CC

AC/DC

PULSE

GTAW-P

SMAW

REMOTE PANEL

50/60 HZ

1 PHASE

COOL HIGH OUTPUT

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ArcMate

MigWeld

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Stick Welding Welding/Cutting Machines

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Stick (Arc) Welders (SMAW)	Class	Stick Output (Amps)	DS STICK Material Thickness	Weldable Metals	Stick (ARC) Electrode Maximum Diameter
220v 1-Phase	●	20-250 Amps 35% Duty Cycle at 250 Amps	.012- 3/4"	All Ferrous Metal Including Steel, Stainless Steel And Copper	1/4"
	●	20-315 Amps 35% Duty Cycle at 315 Amps	.012 - 1"	All Ferrous Metal Including Steel, Stainless Steel And Copper	1/4"

