

MULTI-PROCESS WELDING EQUIPMENT »

alphaMIG 190MP



COMMERICAL LEVEL FEATURES AND PERFORMANCE

- 200A MIG/180A DC TIG/160A DC STICK IGBT INVERTER OUTPUT
- TWO SEPARATE GAS INLETS FOR MIG AND TIG
- HF START AND LIFT START FUNCTION FOR DC TIG
- AUTO PRE AND FOST FLOW FOR MIG/TIG
- 2T AND 4T CONTROL
- 8" AND 4" DIAMETER WIRE SPOOL CAPACITY
- MIG SPOOL GUN CAPABLE
- FOOT PEDAL CAPABLE FOR TIG
- OPERATES ON 240V OR 120V OUTPUT ($\pm 10\%$)



APPLICATIONS:

- MOTOR SPORTS
- LIGHT FABRICATION/PROTOTYPING
- MAINTENANCE
- HOME/HOBBY
- PORTABLE REPAIR

THREE WELDERS IN ONE

As most welders know, one welder in the shop rarely is enough. This is because every weld process has its strengths and weaknesses and the place it shines best, whether it's sheet stainless, titanium tubing or thick steel plate. But multiple welders can consume precious shop space and eat up your budget. Additionally, if you are needing a welder on the job site, this may mean that you will be dragging along two or even three additional machines.

However the AHP alphaMIG 190MP is designed to be more than "one welder". Not only is it a MIG welder, it is also a DC TIG and DC stick welder. This allows the unit to be used with virtually any metal. While the DC TIG function welds all metals except Aluminum and Magnesium, the MIG function, when equipped with a spool gun will also allow the unit to weld limited thicknesses of Aluminum. Of course, the stick function will handle virtually any welding rod except E 6010. However, E6011 can be used in its place.

- 3 Year Parts and Labor Warranty
- 1 Year Shipping Coverage

You may be questioning performance and reliability of such a do-all machine. Inverters have been in the welding industry for nearly 40 years. They've repeatedly proven their worth and durability to welders have made the switch from transformers over to inverters, as technology has improved and new designs have been introduced. Inverter performance and reliability is not any longer a question in most informed welder's minds.

The inverter technology has made putting three different processes into one compact machine possible. Unfortunately, many companies haven't fully embraced the "MP" idea even after all these years. In fact the idea of a compact multi-process design is only a recent development. Most competitor's designs offer a "will work" type of design for TIG and don't offer full functionality on par with stand alone single process welders. However, AHP has been taking a different approach. The alphaMIG 190MP is a "MP" type of welder that offers a fully developed TIG design, incorporating much needed items like integrated and separate gas flow control of both MIG and TIG and HF TIG start with pedal control. Stick functionality rounds out the package.

ALPHAMIG 190MP



ALPHAMIG 190MP SPECIFICATIONS

Voltage Input	120V/240V
Input Amperage 120V Inrush (I1 _{MAX}), Rated Effective (I1 _{EFF})	28.7A/28A
Input Amperage 240V Inrush (I1 _{MAX}), Rated Effective (I1 _{EFF})	15A/15A
MIG Output 120V	30-120A; 15.5-20V
MIG Output 240V	30-200A; 20-104V
TIG Output 120V	10-125A; 10.4-15V
TIG Output 240V	10-180A; 10.5-17.2V
Stick Output 120V	20-100A; 20.8-24V
Stick Output 240V	20-160V; 20.8-26.4V
120V Rated Duty Cycle at 40° C	MIG: 25% @ 120A; TIG: 25% @ 125A; STICK: 25% @ 100A
240V Rated Duty Cycle at 40° C	MIG: 25% @ 180A; TIG: 25% @ 180A; STICK 25% @ 160A
OCV	70V
Pre/Post Flow	OFF/Auto Control
Drive Roll System	2 Roller, Cast Aluminum and Steel composition
Drive Roll Size/Type Included	.023"-.030"/ V-groove (steel)
Spool Gun Compatible	Yes
TIG Foot Pedal Compatible	Yes
TIG Start Type	HF and Lift Type TIG
2T/4T Operation	Yes
Unit Weight and Dimensions	33 lbs. 12.5"H X 8.5"W X 17.5"L
Plug Type and Length	NEMA 6-50P, 6.5 ft.
Generator Size and Type	7,000W Surge with 5% or less Total Harmonic Distortion (THD) (Generator must be clean power rated with low THD)



STANDARD PACKAGED ACCESSORIES:

- MAIN UNIT
- 15 SERIES MIG TORCH 6.5 FT.
- 26 SERIES AIR-COOLED TIG TORCH 12.5 FT. (INCLUDES REMOTE SWITCH)
- 250A STICK ELECTRODE HOLDER 6 FT.
- 200A WORK CLAMP WITH 6 FT CABLE AND CONNECTOR
- BRASS FLOATING BALL GAS REGULATOR
- CONSUMABLE STARTER KIT
- 240V TO 120V INPUT PIGTAIL POWER ADAPTER (NEMA 6-50R TO 15-5P)

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SUGGESTED OPTIONAL ACCESSORIES:

- 15 SERIES MIG GUN 9.5 FT.
- 26 SERIES NOVA ROTAFLEX TORCH 25 FT.
- SERIES SM100 SPOOL GUN
- NOVA FOOT PEDAL
- ADDITIONAL REGULATOR (ONE PROVIDED)
- U-GROOVE (ALUMINUM) DRIVE ROLLS .035"-.045" RECOMMENDED
- SERRATED (FLUX-CORED) DRIVE ROLLS .035"-.045" RECOMMENDED
- POLY LINER FOR ALUMINUM FITS SERIES 15 GUNS 9.5FT
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FRONT PANEL USER INTERFACE:



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