

# ULTRAMIG 225HP

MIG Welder for Brazing, Steel & Aluminium

A powerful SYNERGIC machine designed for a wide variety of applications including MIG brazing of fully galvanized steel using silicone-bronze wire and MIG welding of steel and aluminium all in one package.

**AMH**<sup>®</sup>



Patented double wire drive system.

Ultra fine tuning system for optimum results.

100% microprocessor controlled.

Synergic control for easy operation.

Less welding spatter and burn through.

Maximum protection of galvanized coatings.

Minimal warping and loss of metal properties.



No. Model Ultramig 225HP (380-415V): 28.800.22.41

No. Model Ultramig 225HP (200-240V): 28.800.22.46

**State of the art technology at your finger tips**

# ULTRAMIG 225HP

## Technical Specifications

Main Power.....	200-240V / 380-415V / 1 Phase
Fuse or Breaker.....	20A / 16A
Output Voltage.....	11 to 28 V C.C
Open Circuit Voltage.....	28 V C.C
Current Range.....	20 to 225A
Maximal Output Amperage.....	225A
Speed Wire.....	2,5 - 12 m/min
Number of Drive Rollers.....	2 (automatic adjustment)
Duty Cycle.....	140A @ 24VDC 50%
Welding Torch Cable Length.....	3m coaxial (10ft)
	15 feet welding torch optional

## Dimensions

Assembled (L x l x h).....	864x 355x 724 mm (34x 14x 28.5 in)
Weight Welder.....	70kg (155lb)
Shipping Welder Box.....	508x 812x 1016 mm (20x 32x 40 in)

## Wire Recommendations

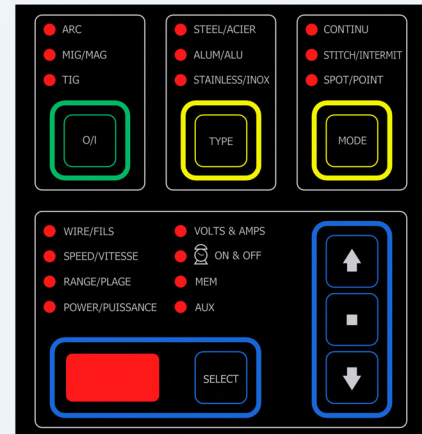
Wire Size.....	0,6mm (.024") - 0,8mm (.030") - 1mm (.035")
Steel Recommendation.....	Class E70Z-6 / Class E70S-3
Silicone-Bronze Recommendation.....	Class ERCuSi-A / AWS A5.7
Aluminium Recommendation.....	Alloy 5356

## Gas Recommendations

Steel.....	25% CO <sub>2</sub> + 75% Argon
Aluminium.....	100% Argon
Brass.....	100% Argon Mixed Argon-Helium

## Characteristics

An easy use of keypad (control panel) for the selection of parameters.



### Synergic Control

One knob conveniently mounted on the torch handle controls wire speed and power synchronized by computer for perfect welds at any setting (Patented).

### Steady Output

Auto-regulation of the primary (incoming) voltage guarantees the arc will not be affected by drops or surges of shop power.

### Less Spatter

With the unique design of the transformer and choke UltraMig generates the least spatter of any MIG on the market.

### Versatility

Programming for 3 wire sizes for steel, aluminium or silicone-bronze is available at the touch of a keypad making set up fast and easy.

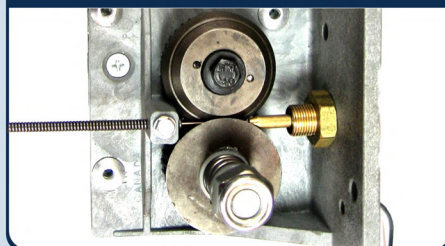
### Trouble Free Wire Drive

A patented wire drive system prevents slippage and bird nesting. Both rollers are gear driven and require no tension adjustment or interchanging of drive rollers when wire size or type is changed. Automatic Adjustment of different wire sizes (0.023"/0.6mm to 0.045"/1.2mm).

Patented Synergic System  
(03.800.00.10)



Patented Drive System



Spool Gun - Optional  
(03.700.00.45)



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