

**BLACKHAWK**<sup>®</sup>



*UltraMig*<sup>®</sup>  
*225 HP*

Model No. 288002246 (200-240V)

**BLACKHAWK**

# State of the art technology at your finger tips

## *MIG for Brazing Steel & Aluminum*

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 aluminum all in one package.

Patented double wire drive system

Ultra fine tuning system for optimum results

Microprocessor controlled system is preprogrammed for selected wire types and sizes

Synergic control for easy operation

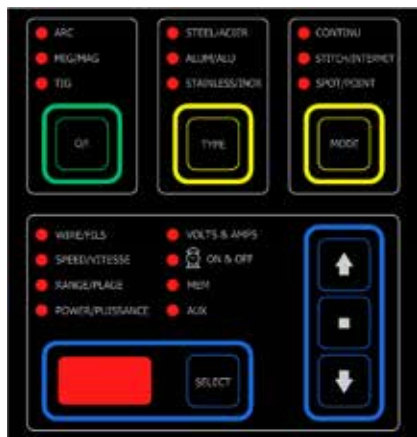
Less welding spatter and burn through

Maximum protection of galvanized coatings

Minimal warping and loss of metal properties



# UltraMig 225HP Features



## Color Coded Keypad

The **UltraMig® 225HP** features an easy to use control panel for the selection of parameters

## Patented Synergic Control

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

## Versatility

Programming for three wire sizes for steel, aluminum or silicone-bronze is available at the touch of a keypad; making setup 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.)

## 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

## Patented Drive System



## Accessories and Specifications

### Equipment Specifications

• Power requirements	200-240V 20A / 380-415V 16A 1Ph
• Output voltage	11 to 28V C.C
• Output circuit voltage	28V 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 @ 24V DC 50%
• Welding torch cable length	10ft coaxial (3m)
• Dimensions (L x l x h)	34" x 14" x 28.5" (864 x 355 x 724mm)
• Welder weight	155lb (70kg)

### 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
• Aluminum Recommendation	Alloy 5356

### Gas Recommendations

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

### Accessories



- MB15 Gun & Cable Assembly: 038000010



- **Optional** Spool Gun: 037000042

Snap-on Equipment • Blackhawk / 309 Exchange Avenue / Conway, Arkansas 72032 U.S.A.  
Fax: 501-450-2085 / Toll Free: 1-877-482-4866 / [www.blackhawkcr.com](http://www.blackhawkcr.com)