

# MULTISONIC220™

Classic MIG/TIG/STICK 3-in-1 Welder  
with Built-in Dual Solenoid Valves



MultiSonic220™ package order no: **WMP02000**

MultiSonic220™ spool gun suite order no: **WMP02001**

WeldKing® **MultiSonic220™** is a production tool instead of a fancy toy. Weighting less than 33 pounds (15Kg), this powerful unit can generate up to **240A** output while producing excellent arc, weld up to 1/2 inch steel, stainless steel, or aluminum, and capable of handling both 8 inch (200mm) spool and 4 inch (100mm) spool.

**3 IN 1**



### Process:

- ▽ MIG (GMAW)
- ▽ Flux Cored (FCAW)
- ▽ DC Lift TIG (GTAW)
- ▽ DC STICK (SMAW)

### Applications:

- ▽ Light metal fabrication
- ▽ Construction
- ▽ Mechanical Contractors
- ▽ Automotive Repairs
- ▽ Farms & Ranches
- ▽ School & training facility
- ▽ Maintenance & Repairs

Build-in with 2 separate solenoid valves for both MIG and TIG welding, allows professional TIG features like **foot/finger tip** remote current control, current **slope down** and **trigger hold** (2T/4T) possible.

Bright, 1 inch digital **amp/volt meter** are easy to monitor and can be pre-set for precise procedure control.

**Purge and Jog** switch which reduces the wire waste and down time is rarely seen in comparable 3-in-1 welders in the market.

**Wide Voltage Adaption™ (WVA)** input voltage regulation technology where the solid state circuit replaces contactor, allows MultiSonic220™ to tolerate input voltage variation from **90V to 460V**.

Advanced features like **run-in** (soft-start), **burn back** (wire end ball elimination), **pre-flow** and **post flow** are adjustable to obtain the best arc ignition performance. **electronic induction control** provides accurate and stable drop transfer and delivers beautiful welding bead. **Arc force** (dig) prevents the electrode from sticking to steel when coming too close in stick welding.

### Quick specification

Input power	Amperage range	Rated output /duty cycle	Input current @ rated output	Max OCV	Wire feed speed	Dimension	Weight
AC 115V 1Phase	<b>MIG:</b> 40-180A <b>STICK:</b> 10-110A <b>TIG :</b> 10-150A	<b>MIG:</b> 140A/35%/21V <b>STICK:</b> 110A/30%/24.4V <b>TIG:</b> 150A/40%/16V	<b>MIG:</b> 22.4A <b>STICK:</b> 17.5A <b>TIG:</b> 18.4A	65V	59-649 IPM (1.5-16.5 M/MIN)	20x8.2x15.7 in (51x21x40cm)	33LB (15KG)
AC 208/ 230V 1Phase	<b>MIG:</b> 40-240A <b>STICK:</b> 10-200A <b>TIG:</b> 10-200A	<b>MIG:</b> 200A/30%/24V <b>STICK:</b> 200A/35%/28V <b>TIG:</b> 200A/25%/18V	<b>MIG:</b> 15.9A <b>STICK:</b> 15A <b>TIG:</b> 11.8A				

## Standard unit includes

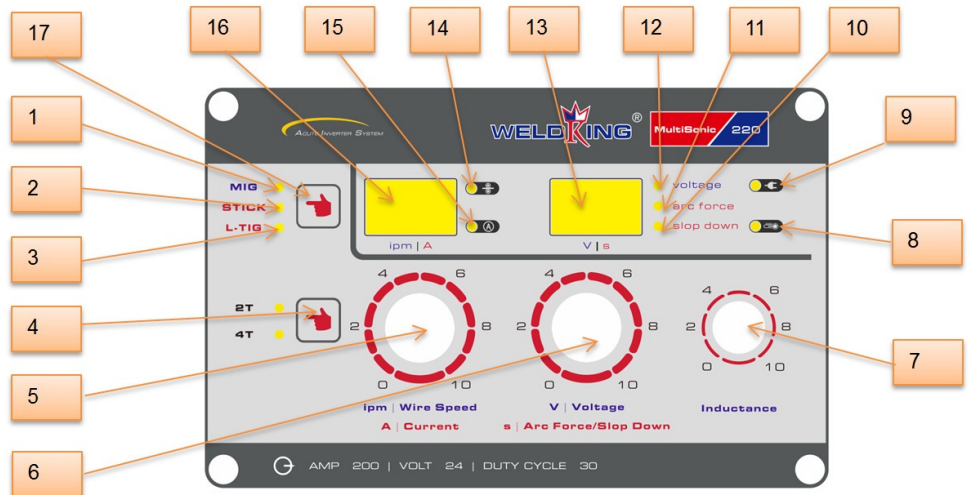
- ▽ 1pc: MultiSonic220™ power source with 10 ft. (3m) power cord and NEMA 6-50P 230V plug.
- ▽ 1pc: WeldKing® NT1-3E euro end MIG torch with Tweco style consumables 10ft(3M). (Order No. **KAM31003**)
- ▽ 2pc: 035 spare tips 11-35.
- ▽ 1pc: 0.035 /0.045 in (0.9/1.2mm) V groove drive rolls. (Order No. **KAM41112**)
- ▽ 1pc: Argon regulator / gauge (Order No. **07000510**)
- ▽ 1pc: 6 Ft (2M) Hose with male 5/8-18 gas connector on both end.
- ▽ 1pc: Adapter Cable 1.5 FT, NEMA 6-50R 230V-5 to 20P 120V. (Order No. **07001825**)
- ▽ 1pc: 200Amp electrode holder with 13ft (4M) lead. (Order No. **07000463**)
- ▽ 1pc: 300 Amp ground clamp with 10ft (3 M) lead. (Order No. **07000462**)
- ▽ 1pc: Owner's manual (Order No. **WDP90100**)

## Optional

- ▽ V groove drive roller for 0.023 /0.030 in (0.6/0.8mm) steel (Order No **KAM41169**)
- ▽ Knurled drive roller for 0.035 /0.045 in (0.9/1.2mm) wire (Order No **KAM41212**)
- ▽ U groove drive roller for 0.035 /0.045in(0.9/1.2mm) Al wire (Order No **KAM41312**)



## Control configuration



- |  |   |
|--|---|
| 1. MIG indication light  | 10. Slope down display indication light             |
| 2. STICK indication light  | 11. Arc force display indication light              |
| 3. Lift-TIG indication light   | 12. Voltage display indication light                |
| 4. 2T/4T selection button  | 13. Voltage/arc force/slope down meter              |
| 5. Wire feed speed (MIG) /Amperage (STICK/TIG) adjustment knob       | 14. wire feed speed display indication light        |
| 6. Voltage (MIG) /Arc force (STICK)/Slope down (TIG) adjustment knob | 15. Amperage display indication light digital meter |
| 7. Induction adjustment knob (MIG)                                   | 16. Amperage/wire feed speed meter                  |
| 8. Protection indication light                                       | 17. Welding process selection button                |
| 9. Power indication light  |   |

## Accessories



SpoolKing-24DL spool gun with 25ft cable assembly. Order No. **07NS1010**.

Capacity: 200A/60% duty cycle use CO<sub>2</sub> gas

160A/60% duty cycle use mixed gas

Wire size: 0.023-0.045inch (0.6mm-1.2mm)

Consumables: Tweco 1 series



WeldKing® PRO17 TIG torch features include soft grips, knuckle joints and "plug & play" switch.

Order No. **WAT31100** (need control adapter Order No. **WOX32129**)

on-off switch (standard). Order No. **WAT32105**

on-off + remote amp wheel .Order No. **WAT32106**

on-off switch with lever. Order No. **WAT32107**

Blank kit (No Trigger). Order No. **WAT32109**



FC25-HD foot paddle with on-off switch and remote current control, 26 ft. (8M) cable.

Order No. **07002510**. (need control adapter Order No. **WOX32129**).

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