

# COOLTIG220

Pulsed AC/DC TIG welding machine  
with Wide Voltage Adaption™ technology



TIG



STICK

CoolTig220 package order no: **WMT05001**

Powered by state of art 35K IGBT technology, WeldKing® **CoolTig220** is a great TIG welding machine for steel, stainless steel and aluminum, Weighting less than 16.8 pounds (7.6Kg), the unit generates up to 220A output with 25% duty cycle, meanwhile delivers exceptional stable, focus arc at as low as 10A.



## Process:

- ▽ AC/DC pulsed TIG (P-GTAW)
- ▽ DC STICK (SMAW)

## Applications:

- ▽ Light fabrication
- ▽ Home & Hobby
- ▽ Motorsports
- ▽ Automotive
- ▽ Farms & Ranches
- ▽ Boats and trailers
- ▽ School & Training facility
- ▽ Maintenance & Repairs

**Wide Voltage Adaption™** (WVA) allows CoolTig220 to tolerant input voltage variation from **160 Volt to 280 Volt** seamlessly.

**High Frequency** start provides non-contact arc starting that eliminates tungsten material contamination.

0.5-20Hz **pulse** provides excellent high speed performance on thin material.

**Squarewave AC** frequency is variable from 60Hz to 160Hz, allows precise control of the arc in aluminum welding.

60%-90% **AC balance** provides unmatched oxide removal capability.

## Quick specification

Input power	Amp range	Duty cycle @ rated output	Input current @maximum output	Max OCV	Dimension	Weight
AC 208V/230V 1ph, 60Hz	<b>TIG:</b> 10-220A <b>STICK:</b> 10-170A	<b>TIG:</b> 25% @220A/18.8V 60% @145A/15.8V 100% @110A/14.4V <b>STICK:</b> 25% @170A/26.8V 60% @110A/24.4V 100% @85A/23.4V	<b>TIG:</b> 24.5 A <b>STICK:</b> 24.4 A	<b>TIG:</b> 70.8V <b>STICK:</b> 70.6V	22x12x14 in (56x31x36 cm)	16.8LB (7.6KG)

## Standard unit includes

- ▽ 1pc: CoolTig220 power source with 10 ft (3m) power cord and NEMA 6-50P 230V plug.
- ▽ 1pc: WeldKing® PRO17 TIG torch, 12.5 ft (4M) with on/off switch, 17 style consumables (Order No. **WAT31100**)
- ▽ 1pc accessories kit include 1 each short back cap. collet body 1/8" (3.2mm), 3/32" (2.4mm), 1/16" (1.6mm). collet 1/8" (3.2mm), 3/32" (2.4mm), 1/16" (1.6mm). nozzle alumina No5, No.6, No7. tungsten electrode 1/8" (3.2mm), 3/32" (2.4 mm) , 1/16" (1.6mm) Thoriated type (red band).
- ▽ 1pc: Argon regulator / gauge (Order No. **07000510**)
- ▽ 1pc: 300 Amp ground clamp with 10ft (3 M) lead. (Order No. **07000462**)
- ▽ 1pc: Owner's manual (Order No. **WDT90100**)

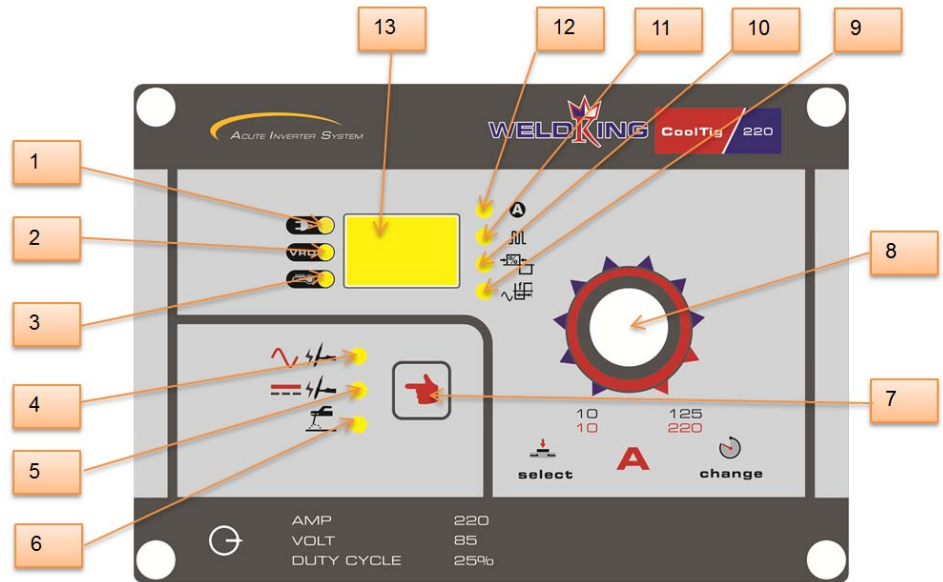


Manufactured at



Certified Facility

## Control configuration



- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>1. Power indication light</li> <li>2. VRD indication light</li> <li>3. Protection indication light</li> <li>4. AC TIG with HF</li> <li>5. DC TIG with HF</li> <li>6. DC STICK</li> <li>7. Welding process selection button</li> <li>8. Parameters adjust knob</li> </ul> | <ul style="list-style-type: none"> <li>9. AC frequency (60-160Hz)</li> <li>10. AC balance (60%-90%)</li> <li>11. Pulse on/off and frequency (0-20Hz)</li> <li>12. Current pre-set</li> <li>13. Current &amp; parameter value (digital)</li> </ul> |
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## Accessories



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

Order No. **WAT31100**

on-off switch kit (standard for PRO17/26 torch)

Order No. **WAT32105**

on-off switch + 10K potentiometer kit

Order No. **WAT32106**

3 Button on-off switch + current adjust kit

Order No. **WAT32108**

on-off switch with lever kit

Order No. **WAT32107**

Blank kit( No Trigger)

Order No. **WAT32109**

WeldKing® FC25-HD foot paddle with on-off switch and remote current control, 26 ft (8M) cable and 12-pin Amphenol plug.

Order No. **07002510**

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