



The TIG150i is a 150A inverter-style AC/DC TIG welder that is used to weld both ferrous and non-ferrous metals. Smaller and lighter, the package size allows portability when needed or can be placed on a cart for around the shop. Multiple settings for a variety of materials and welding applications.

150A TIG Welding Machine

TIG150i

## Features and Benefits

- **Welding Process Versatility** - Select between AC TIG, DC TIG or Stick Electrode welding options.
- **AC or DC TIG Functionality** - Choose between TIG modes for non-ferrous metals using AC TIG, or for ferrous metals using DC TIG.
- **Amperage Control** – Fine adjustment range from 5-150 Amps to weld extremely thin materials to ¼" thickness in multiple passes.
  - **Arc stability** – Offers increased low amperage stability at the minimum 5 Amp current setting.
- **TIG 2 or 4 stage Continuous Modes** - Selectable continuous amperage output with both 2-stage setting for use with optional controls and 4-stage automatic modes.
- **TIG 2 or 4 stage Pulse Modes** - Selectable pulsed amperage output with both 2-stage setting for use with optional controls and 4-stage automatic modes.
- **Duty Cycle** – Higher duty cycles for longer weld times and current stability.



TIG150i  
Faceplate

CE – English only

Country of Origin – Italy



# TIG150i

## Applications

- Applications include automotive repair, collision repair, motor-sports, manufacturing, marine, aviation, agriculture and metal fabrication shops.

## More Features and Benefits

- **AC Balance Adjustment** - Provides the ability to select from three separate functions:
  - **Penetration** – provides a narrow bead with maximum penetration, ability to adjust eight individual selections to tailor the setting.
  - **Balanced** – ideal ratio between width and depth of welding bead.
  - **Cleaning** – provides a wider bead and maximum material oxidation, ability to adjust eight individual selections to tailor the setting.
- **Pulse Adjustment** – Controls the max amperage on-time to determine the amount of heat transfer into the material. Additionally, this feature defines the weld puddle size and allows an added level of timed puddle formation when using a filler rod.
- **Background Amperage Adjustment** – Amperage ranges from 10 -150 Amps AC and 5-150 Amps DC for controlled low pulse heating and minimal distortion of the parent metal when required.
- **AC Frequency Adjustment** – Variable 50-150 Hz adjustment between maximum arc focus, narrower heat cone displacement and broader arc focus, wider heat cone displacement.
- **Upslope/Down-slope Adjustment** – Provides a soft-start and finish to current ramp-up/ramp-down, adjustable from 0-10 seconds. Ideal for minimizing burn through at material edges.
- **Post gas Flow Adjustment** – Maintains gas flow from 0-30 seconds after welding is complete to ensure a clean weld appearance and minimal contamination.
- **High Frequency/Scratch Starting** – Choose between HF mode for controlled arc starting or normal scratch start mode when HF is not desirable.



# TIG150i

## More Features and Benefits

- **Power Factor Correction** – Minimizes power requirements due to efficient system design, requiring lower input power supply currents. Allows for input voltage tolerances of +15% to -20% and saves electricity cost substantially.
- **Cooling** - Tunnel design cooling construction provides exceptional cooling efficiency while keeping electronic circuits safely out of the heated airflow.
- **Warranty** - Backed up by a 2-year limited warranty on all components with the exception of the TIG torch and consumables which carries a 30-day duration.

## Included Accessories

TIGINVFS	Remote Foot Control
CKSGRFM	Regulator-Flowmeter
TIG150GCA	Ground Clamp
TIG150TA	Torch Assembly
CKSKITTIG250	Consumable Kit

## Related Items

MIGCARTA	Cart
CKSTIGSHARP	Chemical Tungsten Sharpener
YA4282	TIG Welding Gloves

## Optional Accessories

TIGINVFP	Foot Pedal Amperage Control
TIGINVRAD	Clip-on Torch Amperage Control
TIG250EH	Stick Electrode Holder
TIG250HC25	Leather Cable Cover



TIGINVFP



TIGINVRAD



# TIG150i

Specifications			
<b>Power Input</b>		<b>AC Waveshape Balance</b>	
Voltage	208/230 Volts AC	Cleaning	1-8
Phase	Single Phase	Penetration	1-8
Frequency	50/60 Hertz	<b>Frequency</b>	50 - 150 Hz
Current	30 Amps	<b>Pulse Frequency</b>	0.16-250 Hz
Current	15.8 Amps	<b>Upslope</b>	0-10 Seconds
<b>Power Output</b>		<b>Downslope</b>	0-10 Seconds
Weld Current Range	5-150 Amps	<b>Post Gas</b>	0-30 Seconds
Duty Cycle @ 100A	100%	<b>Gas Requirement</b>	100% Argon
Duty Cycle @ 110A	60%	<b>Torch Cable Length</b>	25 Feet
Duty Cycle @ 150A	30%	<b>Ground Cable Length</b>	25 Feet
Arc Voltage	14.5 Volts	<b>Gas Hose Length</b>	10 Feet
<b>Output Control</b>		<b>Unit Dimensions</b>	
On/Off Remote	Standard	Height	17"
Foot Pedal	Optional	Width	8"
Finger Control	Optional	Depth	17"
<b>Pulse Frequency</b>	0.16 -150Hz	<b>Base Unit Weight</b>	37 lbs
<b>Background Amp Setting</b>	0-150 Amps	<b>Shipping Weight</b>	57 lbs

- WARNINGS**
- Wear face shield and protective clothing while welding and cutting.
  - Do not allow bystanders while welding and cutting.
  - See additional safety precautions in product catalog CAT1100 on pages 594 to 597.

Technical Support – Industry-leading technical support of over 30 years of experience by calling 800-ABC-WELD to speak with a live expert.

