

# Beta Tig AC/DC250

TIG/ Stick MMA Welding  
Power Source with HF

<b>Applications</b> <ul style="list-style-type: none"> <li>• Aerospace</li> <li>• Maintenance</li> <li>• Process Pipe work</li> <li>• Plant Construction</li> <li>• Petrochemical Industry</li> <li>• Catering Equipment</li> <li>• Beverage/Dairy Industry</li> </ul>	<b>Processes</b> <ul style="list-style-type: none"> <li>• AC/D.C. Tig Welding</li> <li>• AC/D.C Stick (MMA) Welding</li> </ul>	<b>Input Power:</b> 380v 3ph. 50/60Hz  <b>Output Power Range:</b> 10—250amps AC/D.C.  <b>Weight:</b> 33.5Kg  <b>Dimensions:</b> 560 x 365x 370 mm
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## Beta TIG AC/DC 250

Uses the latest Inverter technology to produce a small portable, lightweight welding machine with an industrial duty cycle.

Ideal for many applications where portability and space/weight requirements are restricted.

This 60% duty cycle machine is capable of AC/DC Tig Welding (HF Start), and MMA (Stick) welding.

Ideal for AC/DC Tig Welding on Aluminium, Stainless Steels, Nickel Alloys, Carbon and Low Alloy Steels, Light gauge Copper/Copper alloys.

The square wave AC output with variable balance control results in excellent high quality welds in aluminium and its alloys

The smooth D.C. output gives a crisp stable arc characteristic resulting in high integrity controllable TIG welds ideal for applications where quality is paramount

The infinitely variable output and digital display allows the user to accurately match the requirement of various joint configurations and material thicknesses.

Built in thermal overload protection



- **HF Arc Starting**
- **High Quality**
- **Inverter Technology**
- **Industrial Duty cycle**
- **Portable**
- **Infinitely variable**
- **Variable balance square wave AC**
- **In-built Slope Control**
- **In-built Gas post-flow control**
- **Latching trigger function 1T/2T**
- **Three Phase input**
- **CE marked & certified**

*Beta Century*

*“A new name in welding machines backed by 70 years of experience to give you better value and reliability “*

# Beta Century

Beta Century (UK) Ltd.  
Leading Suppliers of High Technology  
Welding & Plasma Cutting Machines

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## Specifications (Subject to alteration without notice)

### **Technical Information**

Input power voltage (V)	AC 380V +- 15% 3ph.
Frequency (Hz)	50/60
Input Rating (KVA)	6.3
Open Circuit Voltage (OCV)	54
Output Current range (A)	10—250
Rated Output Voltage (V)	20
MMA Rated Output Voltage (V)	30
Duty Cycle (%)	250 Amps @ 60%
Arc Starting	HF (High Frequency)
No-Load power (W)	100
Efficiency (%)	85
Power factor (COS $\phi$ )	0.93
Insulation Class	B
Protection Class	IP21
Weight (kg)	33.5
Overall dimensions (mm)	560 x 365 x 370
Gas Pre-flow time (S)	0—2.0
Gas Postflow time (S)	2—10
Clean width (%)	20—80
Down –slope Time (S)	0—5
2T/4T	Yes
Remote Control facility	Yes

### **Warranty**

This equipment is warranted against failure occurring due to faulty workmanship or materials and comes with a 2 year return to base warranty from date of purchase.

#### **Package includes: -**

- **Power Source**
- **Primary Cable**
- **8m Gas Cooled Tig Welding Torch & Cable**
- **Input gas hose**
- **Earth clamp with cable and European standard connecting plugs**
- **Accessory Kit**

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