

# Beta ATP312

TIG Welding  
Power Source

<b>Applications</b> <ul style="list-style-type: none"> <li>• Fabrication Industry</li> <li>• Maintenance</li> <li>• Process Pipework</li> <li>• Sheet Metal Industry</li> <li>• Service Engineers</li> <li>• Fencing &amp; Security</li> <li>• Agriculture/Horticulture</li> </ul>	<b>Processes</b> <ul style="list-style-type: none"> <li>• DC TIG Welding HF Start</li> <li>• DC MMA(Stick) Welding</li> <li>• Air Plasma Cutting</li> </ul>	<b>Input Power:</b> 240v 1ph. 50/60Hz <b>Output Power Range:</b> MMA (Stick) Welding 10—110 amps D.C. D.C. Tig Welding 10—125 amps D.C. Plasma Cutting 10—30 amps D.C. <b>Weight:</b> 7.7Kg  <b>Dimensions:</b> 376 x 172x 304 mm
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## Beta ATP 312 Multi-Process

Uses the latest Inverter technology to produce a small portable, extremely lightweight multi-process welding & Plasma cutting 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 D.C. Tig welding, D.C. MMA (Stick) welding and Air Plasma Cutting in most metals from mild steel through stainless steels, nickel alloys, cast irons, bronzes, light gauge copper etc.

High Frequency arc starting prevents tungsten inclusions where high integrity X-ray quality welds are required.

The smooth D.C. output gives a stable arc characteristic resulting in high quality welds and cuts

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



- High Quality
- Inverter Technology
- Industrial Duty cycle
- Portable
- Lightweight
- High Frequency arc starting
- Infinitely variable
- Thermal overload protection
- Robust High Impact Plastic Case
- Single 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

## Specifications (Subject to alteration without notice)

### **Technical Information**

Input power voltage (V)	AC 230V +- 15% 1ph.
Frequency (Hz)	50/60
Input Rating (KVA)	3.5
Open Circuit Voltage (OCV)	Tig 15, MMA 25, Cut 92
Output Current range (A)	Tig 10—125 MMA 10—110 CUT 10—30
Rated Output Voltage	16.4
Arc-Starting	Tig—H.F. , MMA—Touch, Plasma—Touch
Duty Cycle (%)	60%
No-Load power (W)	35
Efficiency (%)	85
Power factor (COS $\phi$ )	0.93
Insulation Class	IP21
Weight (kg)	7.7
Overall dimensions (mm)	376x 172 x 304
Diameter of Electrode MMA (mm)	2.5
Maximum Cutting Thickness (mm)	8.0

### **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**
- **Gas Cooled Tig Torch & cables, earth clamp and European standard connecting plugs**
- **Electrode Holder & cable with plug**
- **Plasma Cutting Torch & Cable**
- **Gas input hose**
- **Accessory kit.**

#### **Optional Extras: P.O.A.**

**Argon Regulator 2 gauge flow calibrated**  
**Argon regulator 1 gauge/dry bobbin flow-meter unit**

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