



EWM Tetrix XQ 230 AC/DC TIG Welder – Hire Guide

R H Davey Welding Supplies Ltd – Hire Department

The EWM Tetrix XQ 230 AC/DC is a high-performance, professional-grade TIG welding machine designed for precision, flexibility, and reliability. Whether you're in fabrication, maintenance, or repair, this machine offers exceptional arc characteristics for both AC and DC applications.

Key Benefits

- True Versatility: TIG AC for aluminium and magnesium alloys; TIG DC for stainless steel, mild steel, copper, and titanium. Also includes full MMA (stick welding) capability with support for cellulosic electrodes and pulse functionality.
- Advanced Arc Control: Features activArc® for a tighter, more focused arc and spotArc® for precise tack welds — ideal for thin material assembly.
- Dual Voltage Ready: Operates on 110V or 230V single-phase power — perfect for workshop or on-site use.
- Cooling Options: Can be hired as gas-cooled (suitable for most jobs up to moderate amperage) or water-cooled for extended duty cycles and high-current applications.

Technical Capabilities

Material	AC or DC	Typical Thickness Range	Notes
Aluminium & Alloys	AC	1 mm – 7 mm	Clean AC arc with balance control ensures excellent cleaning and penetration.
Stainless Steel	DC	0.5 mm – 10 mm	Ideal for food-grade pipework, thin sheet fabrication, and frames.
Mild/Carbon Steel	DC	0.5 mm – 10 mm	Great for structural work, brackets, and general fabrication.
Titanium	DC	0.5 mm – 3 mm	High arc stability makes it suitable for sensitive, aerospace-quality welds.
Copper, Bronze	DC	1 mm – 4 mm	Requires good gas shielding – this machine maintains stable arc at low amps.



Thin Material Performance: Thanks to its low-start capability down to 3 amps, the Tetrix XQ 230 is perfect for ultra-thin sheet metal without risk of burn-through.

Thick Section Capability: For heavier materials (5mm+) pairing with a water-cooled torch allows extended operation at higher amperage (up to 230a @ 40%) without overheating.

Ideal Applications

- Precision fabrication and prototyping.
- Aluminium TIG welding (e.g. intercoolers, tanks, motorsport).
- Stainless steel handrails, kitchens, dairy pipework.
- Sheet metal work and car panel restoration.
- Maintenance and repair jobs.
- On-site TIG work with 110v capability.

What's Included with Hire

- EWM Tetrix XQ 230 AC/DC TIG Inverter (gas or water-cooled version).
- TIG Torch (gas or water-cooled depending on cooling option).
- Earth Return Lead.
- Argon regulator, flowmeter and gas hose.
- 3.5 m mains cable with 16A plug. Adaptors available.
- Torch accessories and consumables on sale or return.

This welder offers pro-level features in a compact format. It's suited to both first-time TIG users and advanced welders who need precision and performance in one unit. The machine's generator compatibility and dual-voltage design mean it's as comfortable on a site as it is in the shop.

Need help deciding on cooling format or torch options? Get in touch — we're happy to guide you based on the materials and thicknesses you'll be welding.

Disclaimer:

The information provided in this guidance sheet is for general use and aims to assist customers in the safe operation of welding plant and equipment. Customers are responsible for ensuring equipment is used in line with relevant UK health and safety regulations, manufacturer instructions, and safety standards.

The equipment must be operated by trained personnel, and proper safety procedures must always be followed. The company accepts no liability for loss, damage, or injury due to misuse or failure to adhere to safety instructions.

Recommended materials and thicknesses may vary based on factors such as the customer's environment, power supply, and gas supply. Customers should ensure suitability before use.

For further assistance, please contact us on 02380 339443 or via hire@rhdaveywelding.co.uk.