

Professional TIG Welding Solutions for the Metallurgy Industry

WENZHOU, ZHEJIANG, CHINA, April 15, 2026 /EINPresswire.com/ -- Trusted by steel mills and metal processing plants worldwide | 700,000+ welding equipment sets annual production capacity

KEYGREE GROUP CO., LTD. supplies [reliable TIG welding solutions](#) to metallurgy plants, steel processing facilities, and industrial fabrication workshops globally — backed by ISO 9001:2015 certification, EN 60974-1 compliance, and 700,000 sets annual production capacity.

We Understand the Welding Needs of the Metallurgy Industry

In the metallurgy sector — processing steel plates, aluminum, copper, stainless steel, and other raw materials — welding requires exceptional stability, weld quality, and endurance for long-duration operations.

KEYGREE provides complete TIG welding solutions for your production line:

- TIG Welding Machines — Optimized for carbon steel, alloy steel, stainless steel, nickel-based alloys, and dissimilar metals
- Tungsten Electrodes & Filler Wires — High-quality consumables for smooth, clean welds in continuous production
- Welding Protection — Professional auto-darkening helmets for operator safety in high-intensity environments

Why Choose KEYGREE TIG Welding Equipment?

1. Stable & Reliable for Continuous Operation

Ideal for boilers, pipelines, hydraulic systems, and other demanding applications



Supports full TIG welding process; NDT pass rate meets design requirements

Stable performance, smooth weld appearance, low spatter rate

Backed by 700,000 units annual production -- proven quality at scale

2. Precise Control for Multiple Materials

Welds stainless steel, alloy steel, heat-resistant steel, and more

Supports hot wire TIG process for improved efficiency and deposition rate

Suitable for thin to medium plates (2-15mm)

3. Complete Solutions – One-Stop Sourcing

We supply not just welding machines, but also:

□ Tungsten electrodes – Multiple sizes for different materials

□ Filler wires – Carbon steel, stainless steel, alloy steel available

□ Welding helmets – Auto-darkening, lightweight design to reduce fatigue

□ Wire feeders – Step feeder for precise speed control

Technical Specifications — KEYGREE TIG Welding Solutions

Parameter	Specification	Metallurgy	Application	Value
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Welding Process	TIG, Hot Wire TIG	Supports high-deposition,	high-quality welds on critical components	
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Applicable Materials	Carbon steel, stainless steel, alloy steel, nickel alloys, copper, aluminum			
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Covers full metallurgy material range				
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Thickness Range	2–15 mm (depending on material and process)	Ideal for pipe, plate, and structural fabrication		
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Weld Quality	NDT pass rate up to 100%	Meets boiler, pressure vessel, and pipeline standards		
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Auxiliary Equipment	Wire feeder, tungsten electrodes, filler wire, welding helmet, water cooling system	Complete system — no third-party integration needed		
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Annual Production	700,000 units	Ensures consistent quality and reliable supply		
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Manufactured under ISO 9001:2015. EN 60974-1 compliant. Third-party test reports available upon request.

Selection Guide for Your Industry Needs

Your Requirement	Recommended Configuration
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Stainless steel sheet welding (2-4mm)	KEYGREE Standard TIG welder + ϕ 1.6/2.0 tungsten electrode + stainless steel filler wire
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Alloy steel pipe welding (medium plate)	KEYGREE Hot wire TIG welder + automatic wire feeder + water-cooled torch
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High-pressure hydraulic pipe (34MPa)	Full TIG process + internal argon purge device
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High-volume continuous production	KEYGREE Automated welding station + dual operator panels + 5m extension cable
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Customer Success Stories

Nickel-Iron Smelting Project – Major Steel Group

Hydraulic piping system: 9,600m total length, approx. 1,800 welds

KEYGREE TIG welding process + internal argon purge device

Result: 50% reduction in argon consumption, project completed 25 days ahead of schedule
Digital Workshop – Leading Boiler Manufacturer
Serpentine tube production line
Materials: Carbon steel, alloy heat-resistant steel, stainless steel
Specifications: ø32-76mm, wall thickness 3-15mm
Result: Digital control achieved, fully traceable quality with KEYGREE equipment

Contact your welding supply chain assistant--KeyGree:
Get your customized welding solution from one of China's largest welding equipment manufacturers:

We offer:

Free welding process consultation

Sample trial welding service

Complete equipment + consumables quotation

Overseas shipping support (FOB/CNF/CIF)

Contact KEYGREE: www.keygree.com | Response within 24 hours

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