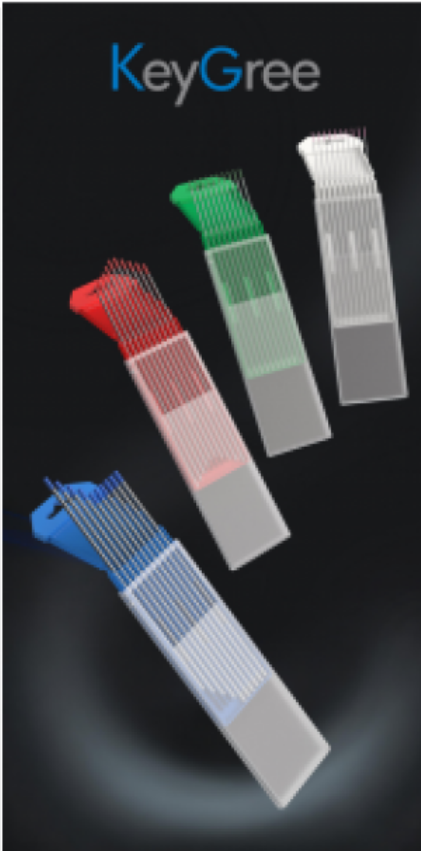


Professional TIG Welding Solutions for the Metallurgy Industry



Wenzhou, Zhejiang Apr 15, 2026 (IssueWire.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
- Support **shot 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

Welding Process

TIG, Hot Wire TIG

Supports high-deposition, high-quality welds on critical components

Applicable Materials

Carbon steel, stainless steel, alloy steel, nickel alloys, copper, aluminum

Covers full metallurgy material range

Thickness Range

2–15 mm (depending on material and process)

Ideal for pipe, plate, and structural fabrication

Weld Quality

NDT pass rate up to 100%

Meets boiler, pressure vessel, and pipeline standards

Auxiliary Equipment

Wire feeder, tungsten electrodes, filler wire, welding helmet, water cooling system

Complete system — no third-party integration needed

Annual Production

700,000 units

Ensures consistent quality and reliable supply

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

Stainless steel sheet welding (2-4mm)

KEYGREE Standard TIG welder + ϕ 1.6/2.0 tungsten electrode + stainless steel filler wire

Alloy steel pipe welding (medium plate)

KEYGREE Hot wire TIG welder + automatic wire feeder + water-cooled torch

High-pressure hydraulic pipe (34MPa)

Full TIG process + internal argon purge device

High-volume continuous production

KEYGREE Automated welding station + dual operator panels + 5m extension cable

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: ϕ 32-76mm, 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

Manufactured under ISO 9001:2015. EN 60974-1 compliant. Specifications subject to change without notice. Third-party test reports available upon request.

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