

# KT2000 Classic vs. KT2000 Gen 2 Ladle Slag Detection Systems

From Proven Reliability to Data-Driven Performance

## Redefining Accuracy, Reliability, and Steel Cleanliness in Continuous Casting

For decades, the KT2000 Classic has been the trusted workhorse of ladle slag detection—helping steelmakers reduce inclusions, optimize yield, and minimize slag carryover. But today’s demands go beyond reliability.

That’s why Kiss Technologies developed the KT2000 Gen 2—the new standard in intelligent slag detection.

Powered by machine learning, KT2000 Gen 2 eliminates false signals, empowers operators, and connects your caster to a complete ecosystem of data and insight.

The result? **Higher yield, fewer defects, and measurable cost savings at every heat.**



## Already Using KT2000 Classic? Here’s Why KT2000 Gen 2 Is Worth the Upgrade

If you’ve relied on KT2000 Classic for years, you already know its proven value. But today’s challenges demand more—and reducing rework still starts with accurate detection.

Here’s how KT2000 Gen 2 takes slag detection further:

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**Immune to Plant Noise** – Delivers accuracy at every heat, unaffected by hydraulic, electrical, or mechanical interference.

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**TeemASSIST Operator Guidance** – Available on both KT2000 Classic and KT2000 Gen 2 for safe, confident draining; Gen 2 enhances this with real-time feedback and advanced analytics.

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**Connected Ecosystem** – Both systems enable remote support and data review; Gen 2 expands this with cloud dashboards and continuous optimization.

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**Proven ROI** – Less rework, higher yield, and measurable savings.

KT2000 Gen 2 doesn’t replace KT2000 Classic’s reliability—it redefines it for the next generation of steelmaking.

Ensure your system evolves with today’s challenges and maintains consistent accuracy in even the most demanding casting environments.

## At a Glance: KT2000 Classic vs. KT2000 Gen 2

| Capability                               | KT2000   | KT2000 GEN2   |
|--|--|---|
| <b>Detection Technology</b>              | Acoustic Sensing with Algorithmic Logic (legacy approach)                                      | ✓ Acoustic Sensing with Machine Learning Intelligence                             |
| <b>Immunity to Plant Noise</b>           | Susceptible to electrical, hydraulic, and mechanical interference – potential for false alarms | ✓ Immune to plant noise – maintains accuracy at every heat                        |
| <b>Dependence on Ladle Weight Signal</b> | Requires accurate ladle weight input for best performance                                      | ✓ Independent of ladle weight signal – consistent detection even with scale drift |
| <b>Operator Tools</b>                    | TeemASSIST – real-time ladle-end guidance for safe, clean draining                             | ✓ TeemASSIST Plus – enhanced feedback and operator confidence tools               |
| <b>Connectivity</b>                      | Cloud ecosystem with dashboards, heat review, and performance report                           | ✓ Cloud ecosystem with dashboards, heat review, and performance reports           |
| <b>Maintenance</b>                       | No consumables; field-proven hardware and reliable support                                     | ✓ Continuous updates and cloud-enabled support for ongoing optimization           |
| <b>Economic Benefits</b>                 | Enhances cleanliness – balances yield vs. slag carryover                                       | ✓ Higher yield, reduced rework – measurable ROI                                   |

### The Bottom Line: Both Systems Lead the Industry

The KT2000 Classic and KT2000 Gen 2 are both top performers in ladle slag detection, each setting the benchmark for accuracy, reliability, and steel cleanliness that exceeds industry standards

This comparison is designed to help you evaluate their strengths, so you can determine which system best aligns with your plant's performance goals and modernization strategy.



# The KT2000 Gen 2 Advantage: Built for Every Steelmaker

Even if you've never used a Kiss Technologies system, GEN2 delivers a measurable edge over traditional detection methods—or no detection at all.

With KT2000 Gen 2, you gain:

**Cleaner Steel** – Reduce inclusions for higher-quality output.

**Operator Confidence** – Real-time ladle-end guidance with TeemASSIST Plus reduces human error.

**Actionable Insights** – Cloud dashboards and analytics drive continuous improvement

**Higher Yield** – Optimize draining while minimizing slag carryover.

**Proven ROI** – Lower rework, higher yield, and reduced operating costs

Whether you're upgrading from KT2000 Classic or implementing slag detection for the first time, KT2000 Gen 2 sets the new benchmark for steel cleanliness and efficiency.

## The Next Standard in Slag Detection

**The KT2000 Classic defined reliability.**

KT2000 Gen 2 redefines what's possible—delivering cleaner heats, higher yield, and measurable ROI at every caster.

**It's not just an upgrade.**

It's a complete ecosystem designed to deliver accuracy, reliability, and confidence at every heat.

**Cleaner steel starts with accurate detection.**

Partner with Kiss Technologies and unlock the KT2000 Gen 2 advantage—one heat at a time.

[Talk with an Expert](#)

