

Minscan®-LS – Fully Automated Refractory Maintenance for EAFs

Minscan®-LS is the next evolution of EAF refractory maintenance: a fully automatic, two-arm gunning solution powered by LaCam® laser measurement and **Scantrol™ automation**. It covers every step from measurement to repair, all without operator intervention.

This patented technology provides complete mechanical coverage, including continuous 360° rotation of the gunning head, simultaneous vertical movement from furnace center to the upper edge of the water-cooled panels, and remote control capability for supervision and safety. The Scantrol™ system interprets laser measurements and executes the repair directly and automatically, **without manual pattern selection or operator interference**.

💡 What makes Minscan®-LS unique:

- Measurement, evaluation, gunning strategy generation, and execution are fully integrated.
- Human expertise is translated into rules, preferences, and parameters.
- The system repairs only where needed, exactly as needed.

➡ The result:

- Increase process time for steelmaking
- Maximum consistency and repeatability
- Reduced refractory consumption
- Improved safety by removing operators from hazardous environments
- A new benchmark in autonomous furnace maintenance

#Steelmaking #Digitalization #IndustrialAI #Minscan #LaCam #MINTEQ

