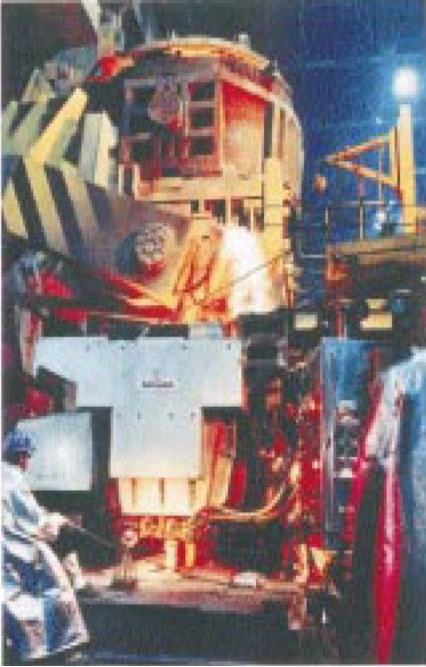


LOW COST

RELIABLE

REAL-TIME



Experienced operators have long detected vibration differences between steel and slag flow on the ladle shroud manipulator arm. Developed by Nupro Corporation and Steltech, the SlagTracker™ uses these differences to predict the onset of slag carry over.

In casting operations, the difficulty of reliable and consistent monitoring of slag carry-over from ladle to tundish can have a serious effect on yield and steel quality. During sequence casting, slag entrainment in the steel stream at the end of heats leads to build-up in the thickness of tundish slag. The results can be:

- poor steel cleanliness in the cast strand
- reduced tundish refractory life
- reduced productivity

While increasing ladle heel may reduce the amount of tundish slag, the resulting yield loss can have a significant negative impact on productivity and steel shop capacity.

The SlagTracker™: Reliable & Consistent

An accelerometer mounted on the shroud manipulator arm sends amplified signals to the system that filters and digitally processes the signals through a proprietary software package. The System is fully automatic, non intrusive, and is customized and tuned on site to meet the specific needs of each casting operation.

Benefits

- increased yield
- consistent and reliable casting
- improved steel cleanliness
- improved tundish refractory life
- reduced nozzle clogging
- minimal maintenance costs
- minimal operating costs
- typical payback less than one year



For billet, bloom or slab casting, the SlagTracker™ provides reliability and consistency in casting.

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