

PRODUCT APPLICATION NOTE

SN0502

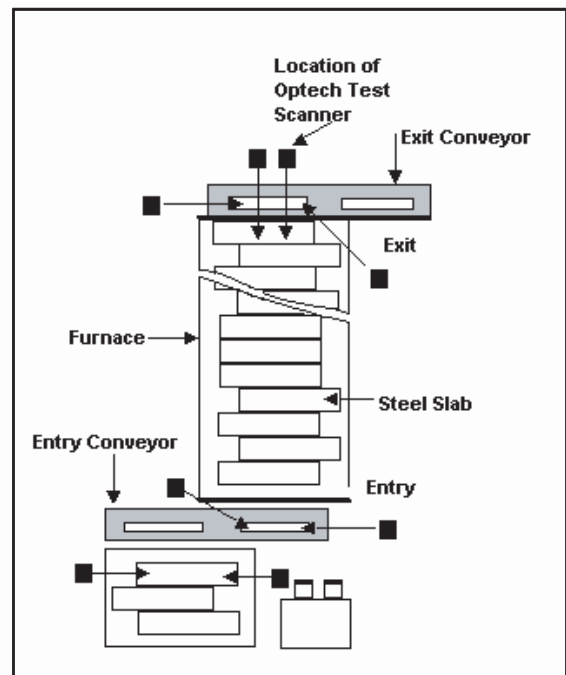
Industry:	Primary Metal Industries
Application:	Steel slab positioning
Optech Equipment:	Sentinel/Watchman
Application Description:	The customer required a sensor to position steel slabs entering their pusher furnaces.

Optech tested its Sentinel/Watchman, a non contact laser level monitor for hot materials, at a very large resource company operating a steel processing plant. The Sentinel/Watchman was tested as a hand-held unit to determine if it could measure the distance to a slab exiting the pusher furnace, as well as measuring into the furnace directly. Since the Sentinel/Watchman can measure to objects with temperatures of up to 1,500°C, the tests were successful. This resulted in the client placing an order.

The Sentinel/Watchman has demonstrated its capabilities in steel slab positioning. It can now be used to tackle other applications in the steel industry, resulting in improved plant efficiency, reduced costs, and improved work safety.

KEY ADVANTAGES OF LASER TECHNOLOGY IN THE STEEL INDUSTRY

- Non-contact measurements
- Short setup time with no calibration required
- Measurements unaffected by temperature variations
- Measurements can be made to targets with temperatures of up to 1,500°C
- Measurements can be made even in turbulent air flow
- Measurements can be made in moderate amounts of dust



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