



**MARTI-TECHNOLOGY U.S., INC.**



***Berry Metal Company's partnership with Marti-Technology brings to steelmaking customers advanced equipment that is easily interfaced to the steelmaking process, is simple to operate, and improves steel product throughput, accuracy, quality and profitability.***

## TSM Temperature/Sampling Manipulators

Marti-Technology has provided Temperature/Sampling Manipulators to many steelmaking operations around the world.



- Applications include the EAF, LMF, LF, Tundish, RH Degasser, Desulph Stations, and Torpedo Cars.
- The Marti Temperature/Sampling Manipulators, available in single or dual Lance systems, can be specially engineered to meet your specific application.
- The dual Lance system has individually driven Lances for obtaining temperature/oxygen/sampling and other applications.
- Working parts are designed for convenient operation and maintenance, allowing for ease in inspection, lubrication, repairs and replacements.
- Fully reproducible immersion depths can be achieved providing consistent measurements.
- Safety precautions for operators are guaranteed.
- The TSM facilitates fast disposable sensor/Lance change for easy handling and repair.
- The TSM is available with a stroke length of up to 6.5m (21 ft), larger strokes upon request.
- An optional slagbreaker feature is available in applications dealing with solid slag cover.

## RTSM New Robotic Loading Temperature/Sampling Manipulators

- The RTSM automatically takes temperatures/samples at the push of a button.
- The RTSM utilizes an automatic magazine that can hold a day's shift of probes.
- It completely automates the process of taking disposable sensors, and features complete automatic loading and unpacking facilities.
- Multiple steps in the production process are eliminated, saving critical time.
- The RTSM is another major step in automating the steelmaking process.



For more information on this and other technological innovations made available through our partnering agreements, contact Berry Metal Company at 724-452-8040 or [www.berrymetal.com](http://www.berrymetal.com), or Marti-Technology at 330-220-0833 or [www.marti-tech.com](http://www.marti-tech.com).



**Advanced Steelmaking Technologies**

