For more information on this product and on our complete package of solutions

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VESUVIUS
SENSORS & PROBES

PRODUCT

Steel Samplers

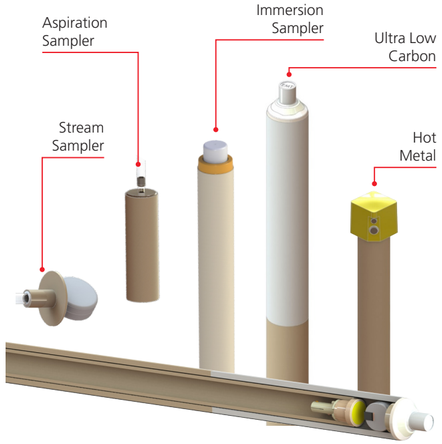
Disposable probes for collecting molten metal samples

- A fast and reliable method of obtaining samples for chemistry analysis of the molten metal
- Sampler probes for all types of applications and steel grades, including ultra low carbon
- Products for argon/vacuum systems to obtain the cleanest possible sample
- Non-splash sampler probes guarantee the safety of the manual immersions

Disposable probes for collecting molten metal samples

Efficient Steel Sampling

- Vesuvius samplers provide the steelmakers with solid, homogeneous and truly representative samples, in accordance to the requirements of spectrometric and combustion analysis.
- With the aid of its engineers, Vesuvius is able to customize protections, deoxidants, sizes and molds to optimize the results of your application.



Representative samples for all applications

- Vesuvius provides sampler probes in different shapes, sizes and types to enable the steelmaker to retrieve samples from the blast furnace to the caster mold.
- The Vesuvius Ultra Low Carbon samplers allow the steelmaker to obtain extremally pure and representative samples in the most critical applications.
- Use the aspiration samplers in the mold to precisely anticipate the composition of your final product.
- Special shapes and requirements for manipulators and robots are also available.

Sample Formats

- Vesuvius has a large variety of molds to provide the multiple shapes of steel and hot metal samples for spectrometry and combustion analysis.
- Contact us to know more about other shapes or any special demands you may have.

Vacuum - Argon Sampling System

- The Vesuvius Vacuum-Argon Sampling System was developed to provide steel samples free from contamination.
- By purging Argon into the mold through the immersion pole, the Argon-Vaccum system removes contaminants and prevents oxidation of the sample from happening.
- After the sampler reaches the aimed immersion depth, the argon purge is switched off and vacuum is applied to facilitate the filling of the mold as well to avoid the occurrence of pinholes in the sample.
- The vacuum usage during the mold filling improves the sampling efficiency in low temperature applications (< 1470°C or 2678°F).