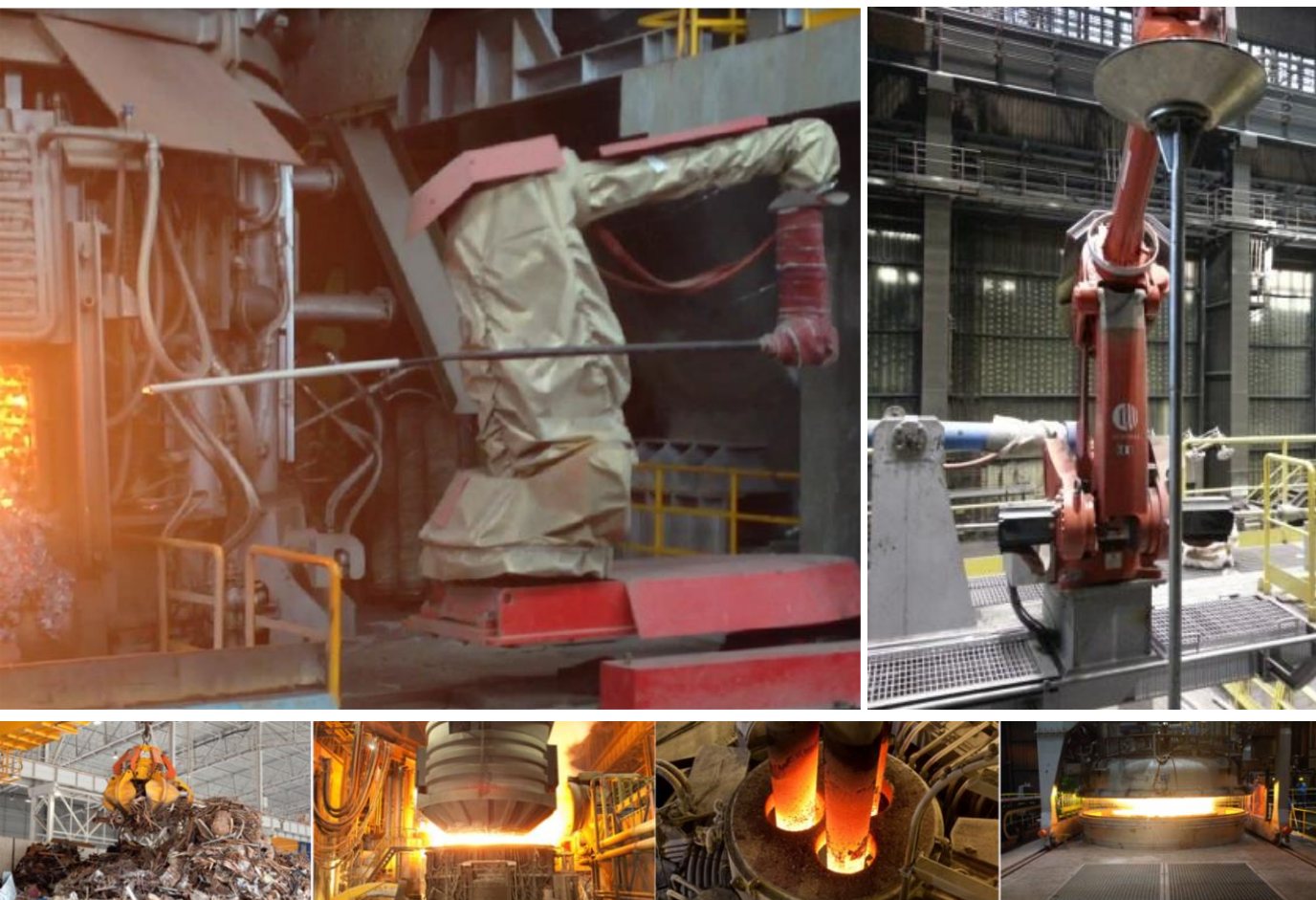


TS-Pro SAMPLER ROBOT SAMPLER FOR EAF, LF and VD

A step ahead in meltshop operations!



Steelmaking Special Products

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A step ahead in meltshop operations!

Robot technology has much to offer to electric steelmakers. In environments that pose considerable risks to humans, a robot can execute certain demanding tasks with high precision. Sampling the melt, determining the temperature and the hydrogen content can now all be done safely and efficiently by TS-Pro SAMPLER from SMS Group.

Application

SMS Group has developed a heavy-duty articulated robot arm for sampling operations in electric arc and ladle furnaces as well as vacuum degassers.

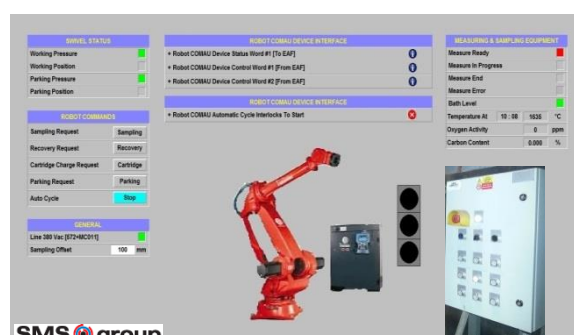
- Much more flexible technology than the old electromechanical actuators
- Installation now possible in narrow space or inside a dog-house
- The specially designed lance on the robot arm enables repeated precise sampling for chemical analyses and temperature or hydrogen content measurements
- A tough protective cover shields the robot from heat radiation and molten steel splashes

YOUR ADVANTAGES

- **Increased operational safety** – no more personnel in dangerous locations
- **Shorter power-off times** thanks to fast, consistent sampling operations
- **Flexible use** – easy installation in narrow space, automatic cartridge exchange, free selection of sampling point

TECHNICAL DATA

Tasks/ measurements	Sampling Temperature Hydrogen content
Options	Semi-automatic handover of sample to the operator
Robot integration	Fully integrated into the plant's automation systems



User-friendly interface for operators

Ease of Use and Maintenance

- Quickly in service and with far less maintenance needed than with old-fashioned units
- User-friendly interfaces to activate the robot
- Anthropomorphic robots have long been used in the automobile industry, assuring an extremely long service life

For best results

In addition to the sampling robot, we recommend SafEBT solution for cleaning, opening and filling the EBT as well as the automation system by SMS Group.

Please contact us for more information.



TS-Pro SAMPLER installed on a VD cover