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# CATFIS

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SAMPLING AND MEASURING LANCE  
MANIPULATOR OPERATED THROUGH  
THE SLAG DOOR

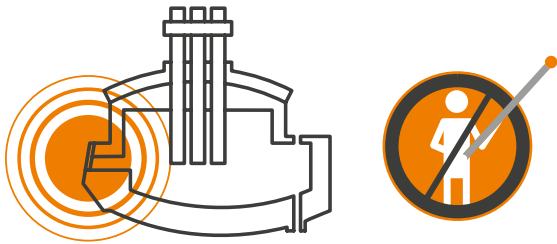
# CATFIS

## SAMPLING AND MEASURING LANCE MANIPULATOR OPERATED THROUGH THE SLAG DOOR

The manipulator has a swinging movement around two axes of rotation in order to approach from the parking to the measuring position.

The lance is water cooled, in order to guarantee a long life and a proper protection for the cabling and the measuring lance sensor. All the mechanical components are carefully shielded from heat and slag radiation by metallic protections.

In order to perform a reliable measurement, the lance insertion movement is controlled in speed and position. In case of collision detection, the manipulator retracts the lance.



### FEATURES



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**MORE** S.r.l 33013 Gemona del Friuli (UD) Italy  
**T** +39 0432 973511 **F** +39 0432 970676  
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