

# Instruments for Physical Testing of Iron Ore

## Tumbler Systems



Tumbler Systems to mechanically test samples of coke, coal, iron ore, iron ore pellets according to several international standards.

These systems are electro-mechanical units where the sample is placed to be tumbled at specific revolution speed for a specific number of revolutions.

The above mentioned test conditions together with the dimension of the tumbling unit are prescribed in the standards.

The mechanical units are provided with high quality gear motors and safety cages to comply with the common safety rules in use.

A switch is installed on the door of the cage to immediately stop any rotation of the tumbler in case of opening of the cage during the run of the test.

On the larger unit, a positioning function allows to rotate the tumbler at slow speed to help the operator on loading and unloading of the sample in the tumbler.

The control cabinet connected to the mechanical unit is equipped with a preset counter to set up the number of revolutions at which automatically the test is stopped.

*From R.B. Automazione - Italy*

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