RSD

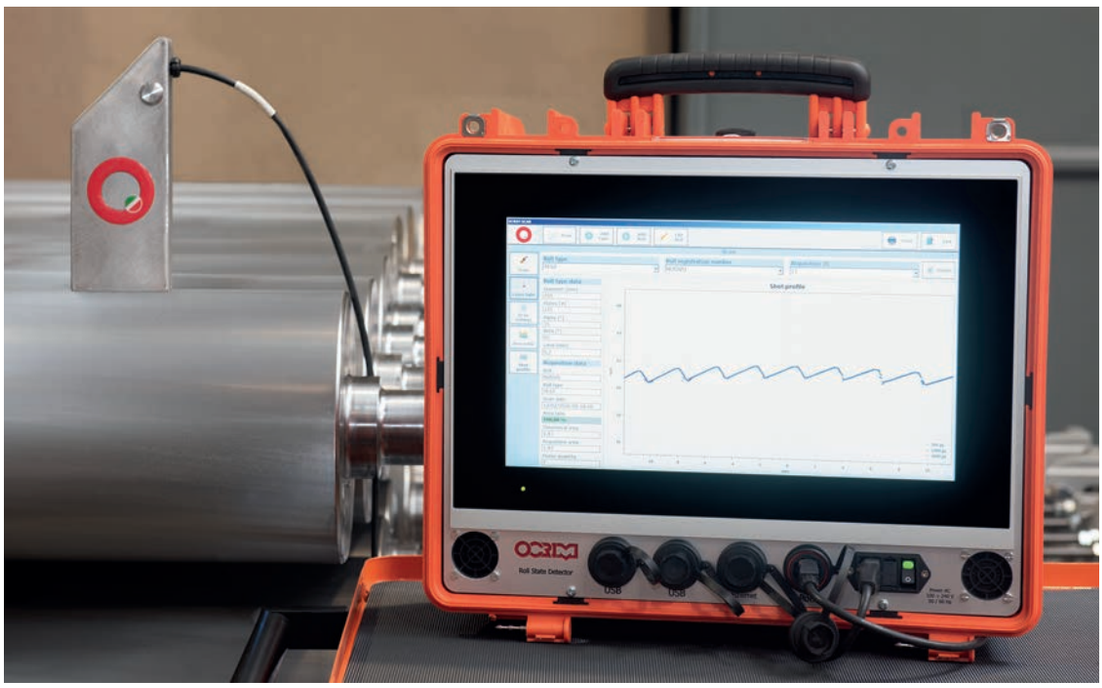
ROLL STATE DETECTOR

The roll state detector (RSD) is a new innovative device designed to check the state of rolls wear in order to improve the performance of the mill and avoid possible losses in the production process.

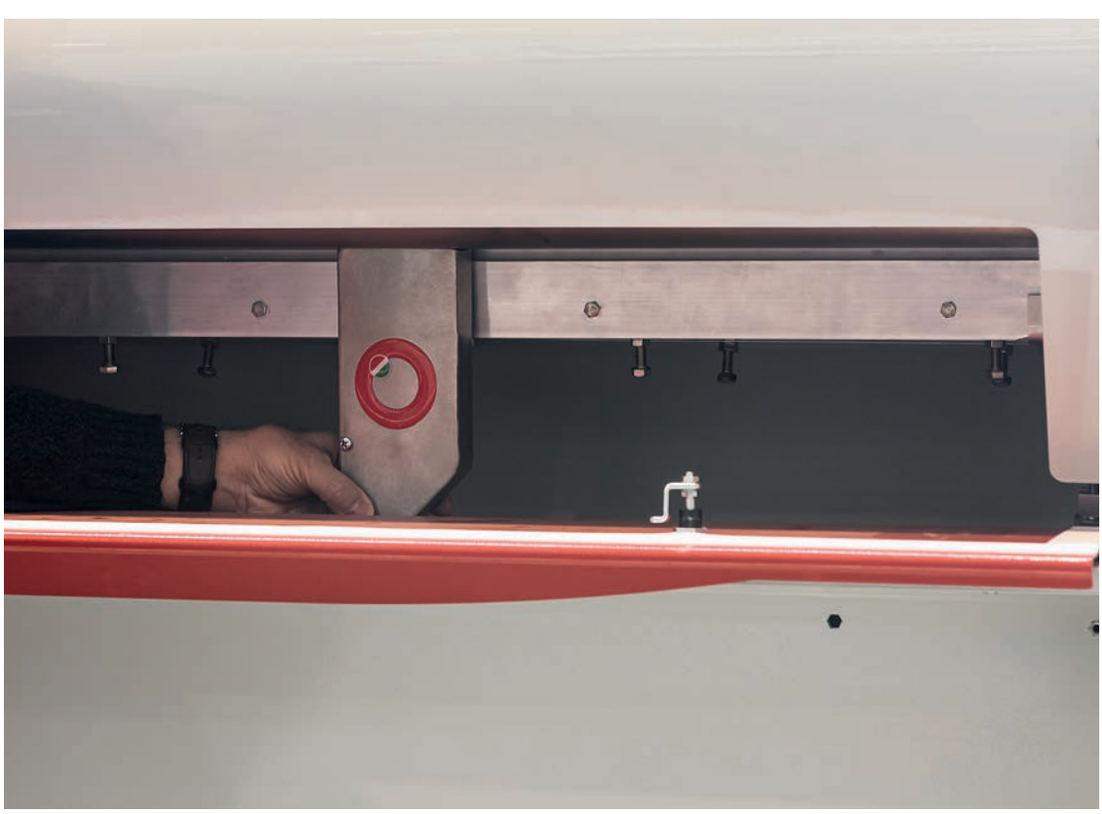
The device kit is essentially composed of an electronic gun which must be placed on the roll to allow the status of the roll wear to be detected. The electronic gun is connected to a special touch computer equipped with a software system capable of reading what is transmitted by the electronic gun and converting this reading into a signal which will then display the roll state and the toothing of the same on various sequences to determine the current roll state with extreme precision.

This will therefore allow to understand if the roll is still in a better condition for working without losing efficiency or if instead is necessary to replace it and therefore be able to plan the relative maintenance interventions.

The device is based on a sensor that sends a bright laser ray and calculates the distance with a very high precision. Distance measurement allows to obtain the profile of the object concerned. Both the reading and the processing of the data take place in real time.



It is equipped with a software, patented by Ocrim, which implements an *ad hoc* solution to estimate the wear of the grinding rolls over time, with the possibility of having the history of each single roll simply by inserting its serial number.



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printed in 2020