

## ACERINOX EUROPA, S.A.U.

**Award:** Safety  
**Category:** Workplace improvement

# Implementation of a Simple System to Change Wiper Roll Blocks in Sendzimir Mills

## Challenge

The objective of this project is to change in Sendzimir mills, quite simply, the upper wiper roll blocks (Pollastrelli system) in a safe way, avoiding the risk of occupational accidents, making easier and less tiring work for the operator.



*Pollastrelli left roll with risk of fall*

## Action

A new device has been developed in order to change the upper Pollastrelli blocks. This device can be used whether the strip is threaded through the mill or not.

The design consists of a mechanical or hydraulic jack modified to this effect. Pictures are annexed to the present report.

## Outcome

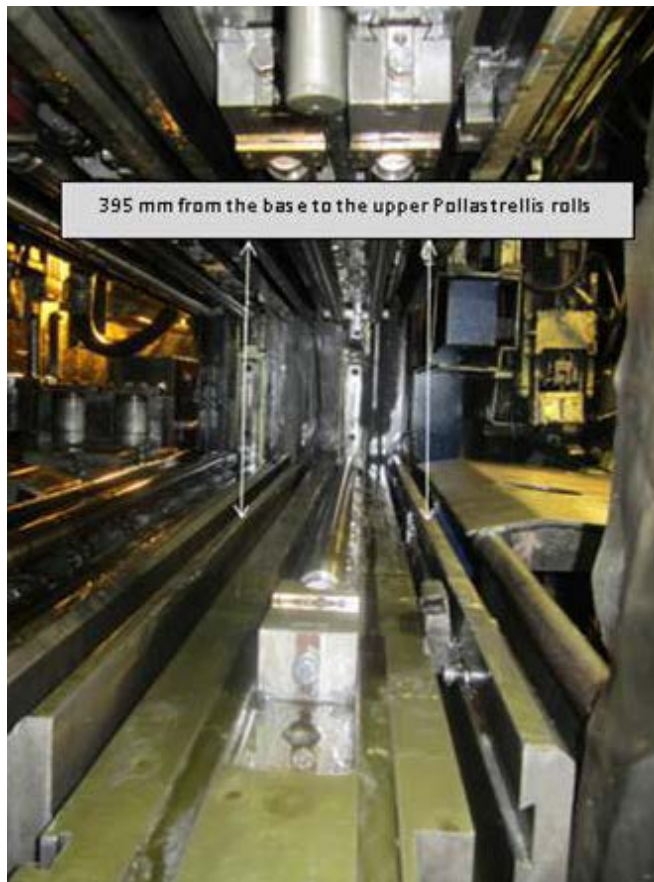
Using this device, safety of the operators will be increased and the risk of having to work inside and between the Pollastrelli blocks is eliminated:

- Avoid the risk of upper rolls falling on the hands or arms (even on the head) of operators.
- Decrease the fatigue and over-training of the operators.
- Avoid the exposure to high temperatures existing in and between Pollastrelli blocks that can produce burns and thermal stress.
- Upper Pollastrelli blocks retain rolling oil and cooling oil for bearings (oil unit). The new system avoids this mixture of hot oil drops falling on operators.

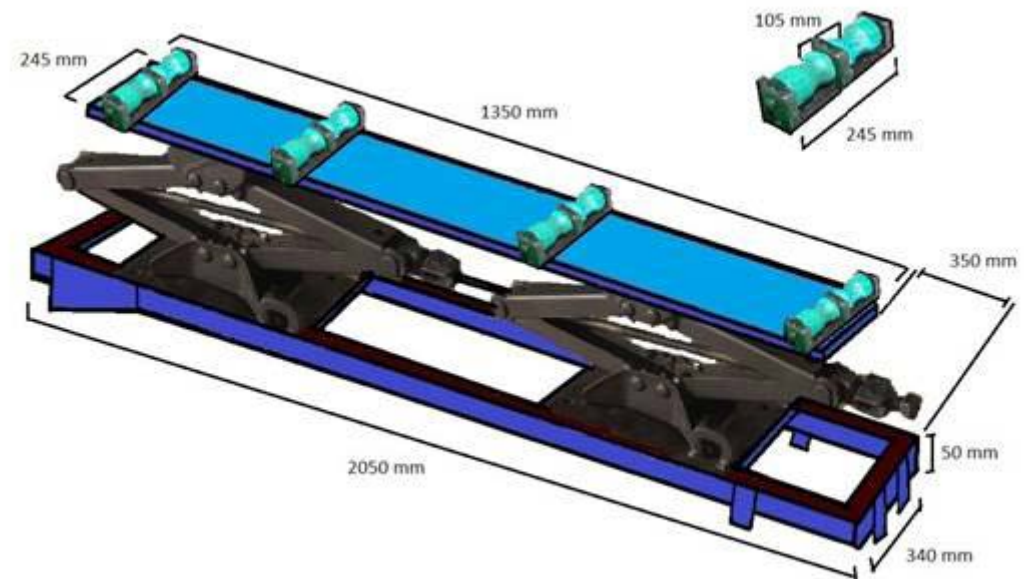
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Characteristics of the workplace



Scheme of the new device

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*Area where the device is placed*