

# Pomini Inspektor .NET system for Roll Inspection

**Andrea Tognoni**

Pomini Tenova

andrea.tognoni@it.tenovagroup.com

**Giovanni Bavestrelli**

Pomini Tenova

giovanni.bavestrelli@it.tenovagroup.com

## ABSTRACT

Eddy Current and Ultrasound inspection systems today are the proven methods of non destructive testing for surface and sub-surface roll defects respectively. Such technologies are used daily in modern roll shops, but as customer requirements become more demanding in terms roll surface quality, ability to detect smaller and deeper defects with higher repeatability and reliability, reduced scan times and increased safety, the applications became more and more complex. Pomini Tenova, with its strong experience coming from over 350 inspection systems supplied throughout the world, designed a new generation inspection system to meet the growing customer demands in system performance as well as to simplify the system design. The new system has an increased number of sensors and probes, higher repeatability and reliability of measures, capability to detect smaller defects in more positions on the roll surface and inside the roll body, while at the same time having a smaller number of hardware boards than any other system on the market, and no dedicated hardware inside the controlling PC. This comes from the adoption of standard Ethernet technology, used not only to connect the Inspektor PC to the other machines on the network, but also to connect to the dedicated hardware inside the inspection system.

## Keywords

Roll Inspection, Eddy Current, Ultrasound

## REFERENCES

1. A. Tognoni (2006) Digital roll inspection technology becomes Plug & Play, *Steel Times International*, Vol 30 Jan/Feb 2006, pag 30