MEASUREMENT & ANALYTICS

Shanghai Copper, China has successfully installed Millmate thickness gauges in their rolling mills

Shanghai Copper’s two rolling mills are running with four Millmate Thickness Gauges (MTG).

Measurement made easy

What has been achieved?
We ask Mr Zhang Wenguang, In Charge, Engineer, Technical Expansion Department and Mr Qian Min, Maintenance Engineer, who concordantly express their opinion about the MTG-gauge installations:

“ABB has a good reputation on the market and we really trust ABB products, e.g. reliable drives and MTG thickness gauges.”

“We see a big advantage with the non-contact MTG thickness gauges having very stable and reliable measurements over time. A further benefit is that the MTG-gauges are alloy-independent.”

“Both in the new line (RM1) and in the old mill (RM2) the MTG thickness gauges are working very well and the accuracy is excellent. Another important issue is the considerable reduction of maintenance.

“The new MTG-gauges are working very accurately, they are alloy-independent, they need no recalibration and the maintenance costs are getting lower and lower.”

With the new MTG-gauges we save at least 50 % on maintenance and spare parts. We really appreciate the low maintenance costs.”

“Another crucial benefit is that there are no recalibrations needed with the MTG and in case there is a strip break it does not damage the robust MTG gauges. Also, there are no radiation problems with MTG, a really good benefit compared to before.”

“To summarize, the new MTG-gauges are working very accurately, they are alloy-independent, they need no recalibration and the maintenance costs are getting lower and lower.”

Zhang Wenguang, In Charge, Engineer, Technical Expansion Department and Mr Qian Min, Maintenance Engineer at Shanghai Copper, China.
Supplied equipment
ABB Force Measurement has supplied the following equipment to Chinalco Shanghai Copper’s rolling mills in Shanghai, China:
• Two MTG systems with two Standard gauges in each.
• Four (4) standard sledges for horizontal movement of the gauges.
• Four (4) ABB PillowBlock strip tensiometer load cells, PFCL 201 with one Millmate Controller with Profibus.

Shanghai Copper is a holding subsidiary company of Chinalco
Shanghai Copper is set up on the base of copper processing and sales of former Shanghai Non-ferrous Metals (Group) Co, Ltd and specializes in the business of metals products, processing, cutting, sales of non-ferrous metals products, imports and exports of products and technology. The high quality of cupro-nickel, brass, bronze and copper strip is used in electric and electronics, building and automotive industries.

Shanghai Copper works in compliance with ISO9000:2000 standard quality management system, national and international environmental protection norms. It supplies products in a very high quality because it set an idea of “meet the demand of customer, surpass the expectations of customer” to all the employees.

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