

## AMAG Certifies Final Acceptance of Danieli Twin-Coiler Rolling Mill

In 2012, AMAG rolling GmbH selected Danieli to design, manufacture and install a new aluminum hot rolling mill, with its auxiliaries. Danieli took the challenge and supplied a plant that meets AMAG's high quality standards, and achieves the demanding quality performances required from the machine.

This hot rolling mill is used to process products ranging from medium-thickness plates to thin-strip coils, for alloys ranging from series 1xxx to 8xxx for aerospace, marine, transportation and commercial applications.

The aluminum ingots are rolled to produce either plates or coils. The rolling stock is precisely and automatically measured in line in order to comply with the stringent tolerance targets. After cutting, the plates are marked and stacked for the next process phases.

Alternatively, the slabs can be rolled in multiple passes to produce coils that are automatically removed from the mandrel, strapped, weighed and marked. The plant is able to produce tread coils and clad materials as well.



The rolling line is fully controlled and operated by the L1 and L2 automation system developed by Danieli Automation, which allows the plant to be run with just a few operators.

The project was carried out in a spirit of full collaboration by Danieli and AMAG, and all the obstacles that developed during implementation were effectively resolved by the team.

The first plate was successfully hot-rolled in September 2014, ahead of the contractual milestone, and AMAG signed the Final

Acceptance Certificate in October 2015.

The performance tests have achieved all the quality performance targets, over and above the contractual requirements. During this project, Danieli received the approval of TÜV Austria, which is one of Europe's most important institutes for certifying machines' quality and performance compliance.

Thanks to these excellent results, AMAG has decided to continue working with Danieli by awarding another order for a completely new slitting and coil preparation line.

## Sapa Sees Aluminum Sales 'Bump' in Bid to Make Cars Lighter



Sapa AS, the maker of aluminum products, expects a significant bump in sales to automotive companies in North America as more of the metal is used in passenger cars and commercial vehicles.

"With all-aluminum-bodied products such as new electric car lines and increased

adoption of aluminum by Ford Motor Co. in its F-Series pickup trucks, auto is a huge growth market for us," Charlie Straface, the Oslo-based company's North American business area president, said.

Car and truck makers are turning to aluminum to reduce vehicle weights and boost fuel efficiency ahead of stricter U.S.

emissions rules. Sales to automotive customers represent 10 to 15 percent of Sapa's North American portfolio, according to Straface. Light-vehicle output in the region is projected to grow to a record this year, IHS Automotive said. Ford is expanding its use of aluminum to include 2017 Super Duty trucks after the company employed the material as part of efforts that shaved as much as 700 pounds from the best-selling F-150. More of the metal is also being used in Sapa's largest market, commercial transportation, where shaped aluminum rails help streamline truck-trailer assembly and protect the vehicles when they're being loaded, Straface said.

Aluminum for delivery in three months rose 0.9 percent to settle at \$1,482 a metric ton on the London Metal Exchange. The price has slumped 21 percent in the past 12 months.