



Emissions caused from transporting and refrigerating aluminium cans are lower than plastic and glass equivalents : ICF

A new study conducted by ICF International for the Aluminum Association finds that Combined Greenhouse Gas (GHG) emissions caused from the transformation and refrigeration of beverages in aluminium cans are lower than that of beverages in glass or plastic bottles under the same external conditions.

Taking into account a unit of per liter beverage, the study finds that, emissions caused from transporting and refrigerating aluminium cans are 7 to 21 per cent lower than plastic bottles and 35 to 49 per cent lower than glass bottles. The results vary within the mentioned ranges according to the size of the comparative bottles and the types of refrigerators in which beverage is stored before consumption.

On the basis of per container, emissions from beverage packaged in a 12-oz aluminium can is 45 percent lower than in a 12-oz glass bottle and 49 percent lower than in a 20-oz plastic bottle. This is found when the beverage is delivered and chilled in small markets and convenience stores.



Shandong Weiqiao Aluminium & Electricity has awarded FAC to SMS group



Shandong Weiqiao Aluminium & Electricity Co., Ltd. has awarded SMS group the Final Acceptance Certificate (FAC) for a three-stand tandem cold mill for aluminium.

The private enterprise is a subsidiary of the Weiqiao Pioneering Group, which is ranking among the top 500 companies in China. Among others, the company is running several oil-fired power stations and works for electrolytic production of aluminium.

In the course of downstream expansion, Shandong Weiqiao Aluminium & Electricity Co., Ltd. has erected an aluminium strip production complex at Zouping, Shandong Province. Apart from the tandem cold mill, SMS group has also supplied a hot rolling mill, two single-stand cold rolling mills as well as a fully automated high-bay racking system for aluminium coils to be integrated in the complex.

Zhang Yuedong, Deputy General Director of the appropriate business unit New Material Branch, Shandong Weiqiao Aluminium & Electricity Co., Ltd. said: "In the face of the operational results achieved, we are convinced that we are able to meet reliably any customer requirements in China and worldwide as well by the three-stand tandem cold mill supplied from SMS group. By this investment, Shandong Weiqiao Aluminium & Electricity Co. Ltd. has established themselves as a new player on the market of aluminium flat products."

The tandem cold mill was delivered in a complete manner including the entire entry- and exit-side equipment. It is provided with the most advanced rolling technology by SMS group. CVC® plus in combination with further technologies, ensuring the excellent

strip quality, is included. A special feature is the High Efficiency Cooling (HEC) newly developed by SMS group.

With the HEC installed in the interstand section, the temperature-sensitive rolling oil is cooled in a most efficient way. Because of the increased cooling effect, it is possible to roll with higher rolling speeds and therefore with increased productivity.

The Multi Plate® filter systems installed in the cold rolling facility are provided with a total cleaning capacity of 33,000 liters per hour and belong to the most powerful filter systems of this type ever supplied by SMS group. Efficient cleaning of the exhaust air is fulfilled by the Airwash system.

With this tandem cold mill Shandong Weiqiao Aluminium & Electricity is now capable of producing up to 2,150 millimeters wide differently alloyed aluminum strip with small final gauges up to a nominal annual capacity of 300,000 tons. In this production facility mainly challenging products, like material used for can body and can ends are produced.

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