

Caster Oscillators revamping for GERDAU Jackson, Tennessee (USA)

AiC North America team has been contracted to revamp caster oscillators for GERDAU Jackson meltshop plant in Tennessee, USA.

The revamping will involve replacing the existing PLC panels with new 4 Strand Oscillators PLC panels. AiC technology for oscillators is developed internally the PLC based on Allen Bradley ControlLogix5000 platform and it will be fitted to handle the 4 strands oscillators, the new software will be interfaced with the existing Caster PLC.

New HMI screens will also be developed for the touch panel installed on cabinet front door and new screens will be developed for the existing Caster HMI system. This will provide more streamlined supervision and more integrated plant control.

The cooperation with GERDAU in America has been going on for years, certifying a good bond and *win-win* partnership for both parties.

The intervention is part of the client's strategy for a package of investments aimed at expanding the merchant bar product range and operational competitiveness of the location, while improving the flexibility of Gerdau's plant network.



Figure 1 – AiC craftsmanship panel developed, as reference.

AIC Capitanio Tailored Automation is a global system integrator that designs, manufactures and commissions turn-key plants worldwide, providing advanced and tailored automation and mechatronics solutions for the steel industry, with the aim to continuously improve both efficiencies, competitiveness and safety of the production processes. With more than 1500 applications worldwide and more than 45 years of history, AIC can boast a unique experience in both greenfield and revamping projects, especially in meltshops and long products rolling mills.

Gerdau Ameristeel is one of the largest minimill steelmakers in North America, with a capacity to produce about 12.4 million tons of finished steel annually. Through about 20 mills, Gerdau operates scrap recycling operations, specialty processing centers, and rebar fabricating and coating plants. Its mini mills produce beams, flat-rolled steel, merchant bar, rebar, and wire rod primarily used in the automotive, appliance, construction, machinery, and equipment industries

For more information:



Mattia Campanini
Global Marketing Coordinator
Email: mattia.campanini@aicnet.it
Tel: +39 0365 826333