

PRESS RELEASE

Contacts:

Wolfgang Eggert, +49 203 80398-868, wolfgang.eggert@tenova.com

Eva Meyer, +49 203 80398-880, eva.meyer@tenova.com

Sara Secomandi, +39 0331 444 111, communications@tenova.com

Ansteel Group celebrates the first coil of NGO electrical steel produced on the new ACL[®] Annealing Furnace supplied by Tenova LOI Thermprocess

Duisburg, November 27, 2024 - On November 18th, 2024 **Anshan Iron and Steel** successfully produced the first coil of **non-grain orientated (NGO) electrical steel** on the new continuous processing line **ACL[®] for Annealing and Coating** installed by **Tenova LOI Thermprocess** as part of Ansteel's new energy construction project. Tenova LOI Thermprocess is a leader in supplying industrial furnace systems for the heat treatment and melting of metals and is part of **Tenova**, a provider of sustainable solutions for the green transition of the metals industry.

This event marks an important milestone for the Ansteel Group achieving full coverage of electrical steel grades at Ansteel's Silicon Steel Division. The new processing line puts the Ansteel Group in the position of highly efficient production of electrical steel for electric vehicles with very thin gauge, high magnetization density and low material loss thus entering the first tier of the industry.

Tenova LOI Thermprocess' Annealing Furnace ACL[®] for non-grain oriented (NGO) electrical steel strip is specially designed for high annealing temperatures, high H₂ content in the process gas as well as high strip processing speed. Advanced cooling systems guarantee low cooling rates and most uniform cooling effects across the steel strip width, which are crucial for high grade NGO electrical steel strip, especially for electrical vehicles (EV).

A modern process gas separation concept enables the furnace sections to run under different process gas combinations. Tenova LOI Thermprocess intelligent mathematical models are integrated in the furnace control PLC to fulfil the demanding requirements for strip annealing accuracy and stability.

The completion of the complex project as first production line of this kind in Northeast China will enable the Ansteel Group to grow as global player in sustainable steel and facilitate a green path to industrialization.



Tenova LOI Thermprocess: ACL® for Annealing and Coating of Electrical Steel Strip at Ansteel Group, China

About LOI Thermprocess GmbH

Tenova LOI Thermprocess GmbH is one of the leading companies in supplying industrial furnace systems for the heat treatment and melting of metals. Clients all over the world from the steel, aluminium and automotive industries rely on the experience and technical solution competence of the traditional company representing the entire know-how in the field of material properties and secondary metallurgy. Tenova LOI Thermprocess is a trademark of Tenova, a Techint Group company.

For more information, visit loi.tenova.com

About Tenova

Tenova, a Techint Group company, is a worldwide partner for sustainable, innovative and reliable solutions in the metals and – also through the well-known TAKRAF and DELKOR brands – in the mining industries. Tenova leverages a workforce of over 2,400 forward-thinking professionals located in 18 countries across 5 continents, who design technologies and develop services that help companies reduce costs, save energy, limit environmental impact and improve working conditions.

For more information, visit tenova.com