

High quality, less CO₂: thyssenkrupp Steel to present pioneering materials solutions at Blechexpo 2021

thyssenkrupp Steel's products are as versatile as the demands that different sectors place on their preferred material. At Blechexpo 2021 in Stuttgart, the company will present a selection of current materials solutions for more performance, process reliability and climate protection in hall 10, stand 10407.

Premiere for bluemint® Steel

By launching CO₂-reduced steel products, thyssenkrupp Steel pursues its path towards climate neutrality: **bluemint® Steel**, the product highlight at this year's Blechexpo, is based on real CO₂ reductions in production, which customers can have credited against their own carbon dioxide balance (Scope 3). The portfolio under the umbrella brand bluemint® Steel continues to include the complete range of high-quality and highly functional materials solutions. The CO₂ savings methods are consistent with the standards of the international Greenhouse Gas Protocol and have been assured by external certifiers.

“With bluemint® Steel, we give our customers the certainty to use high-quality flat steel products with reduced CO₂ intensity “, says Bernhard Osburg, thyssenkrupp Steel's CEO.

The company has already been testing the use of hydrogen during blast furnace operation since 2019, at that time the first steel producer in the world to do so. The goal was and is clear: thyssenkrupp Steel aims to stop emitting climate-damaging greenhouse gases by 2050 at the latest. To this end, the company will gradually replace its blast furnaces with an integrated plant concept – direct reduction plants with innovative melting units.

Investments in technology leadership

Moreover, thyssenkrupp Steel is investing in its own production network. Within the scope of the Strategy 20-30, about 800 million euros have been approved for the new construction and modernization of various core units already underway at the Duisburg and Bochum production sites. The goal is to produce an even higher-value product portfolio, while

optimizing the cost structure. The growing requirements of automotive customers and individual industrial sectors play a particularly important role in this context. These include crash-relevant sheet steel for safety architecture of vehicles, improved surfaces, or thinner and higher-performance steels for e-mobility.

Page 2/3

Material of Mobility: Versatile solutions to meet the highest requirements

Steel is the material of mobility and particularly indispensable for e-mobility. At Blechexpo, the Duisburg-based steel producer will show the visitors how versatile and innovative its portfolio is. thyssenkrupp Steel offers its customers a wide range of products for cost-effective **lightweight design seat structures** made of steel, from highly ductile hot and precision strip with narrow tolerances down to cold-rolled high-strength multi-phase steels with excellent forming and joining properties.

Ultrahigh-strength lightweight design steels are perfectly suited for high-strength cold- and hot-formed crash-relevant structural parts for car bodies. Non grain oriented electrical steel powercore® Traction for highly efficient electric powertrains is the second pillar.

The AS Pro coating for hot forming, thyssenkrupp Steel's product ensuring maximum component and process reliability in vehicle construction, will also be presented at the trade fair.

Moreover, the steel producer will present a product novelty for chassis along with its CH-W material: perform HD - hot-rolled lightweight design steel with excellent processing properties for the chassis. The material features lightweighting potential, good welding properties and a guaranteed narrow range of mechanical values as well as greatly improved forming properties and permits to reduce production costs in the press plant.

perdur – a portmanteau of the words “performance” and “durability” – is the youngest member of the cut-to-length product family that will be presented at the trade fair. Especially excellent wear resistance is a characteristic feature of this product family and makes perdur an ideal material for components demanding high wear resistance such as in dumpers, garbage trucks, hooklifts/hookloaders and agricultural machinery.

thyssenkrupp is looking forward to meeting and discussing in person with customers and business partners at Blechexpo 2021. See us in hall 10, stand 10407, from October 26 through 29, 2021.

Contact:

thyssenkrupp Steel Europe AG

Public/Media Relations

Christine Launert

P: +49 203 52 - 47270

christine.launert@thyssenkrupp.com

www.thyssenkrupp-steel.com