

Editorial

Dear reader,

in my early days, I was taught that buying cheap stuff will finally turn out to be far more expensive than investing in quality. This was and still is right.

Products & quality are intrinsically tied to each other - as well as the properties and the intended use of the material.

No matter whether your *product* is the raw material required to make steel, or the equipment in which this conversion is to be performed, or the processes and services related with, or the steel, the plate, sheet, tube & pipe, billet, bar, wire or all the things made of steel - the quality of any of these *products* adds value to the product of the subsequent level and so on. It reminds me of a chain reaction, or, shall I say: quality is the genetic disposition of a product to succeed in both, its application and in the market!

Well, suiting the quality to the product is like suiting the action to the word.

So, don't waste any money, time or thought on products without quality.

Reading this issue of

STEEL GRIPS

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you will, hopefully, distinguish its quality, too!

Enjoy it!



Dipl.-Ing. Kerstin Garbracht
Editor in Chief

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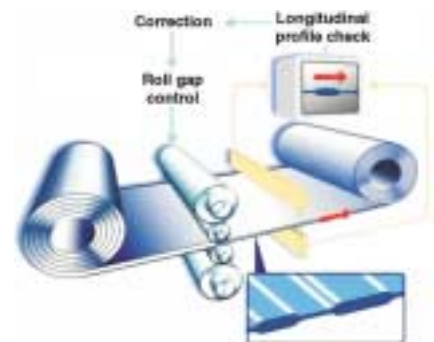
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Products & Quality

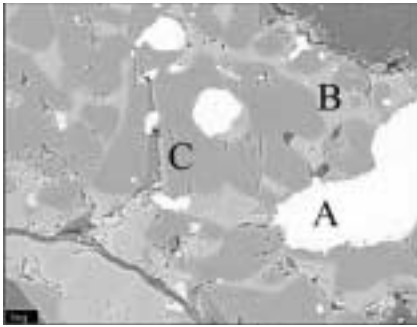


For 150 years, GMH has been well-known for iron & steelmaking in state-of-the-art plants. History shows that the high quality of their products helped them to overcome difficulties. Customers often differ in their understanding of the term product quality and, therefore, a proper structuring tool considering any factor involved may pay. Material modelling and



forming simulation, flatness measurement to maintain dimensional accuracy are further means to reliably obtain the desired product characteristics.





Manufacturing processes, such as flexible rolling open new ways for steel products, as it becomes possible to effectively design special components. The profound understanding of joining techniques and their impact on the material quality can easily solve problems. Thus, quality is created in a product properly equipping it for its individual application.



More sophisticated know-how to continue this way of steadily improving quality comes from the manyfold research and development projects. Finally, never forget that it is the responsibility of man whose skills and ability to decide tip the scales. Be sure to motivate your staff properly.



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ESR, precipitate, M41, nitrogen, non-metallic inclusions, alloying elements

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