

from TOP Technology and Operational Practice

*Fritz-Peter Pleschiutchnigg, Vilas Vishnu Jamnis,
Sukhdev Raj Talwar, Atul Kumar Misra, Ratna Prasad V. Atluri,
Prem Shankar and Vijay V. Kanetkar:*

- 324 The Dolvi-based CSP plant of Ispat Industries Ltd., India: Developments, state-of-the-art and production targets**

Hans Fischer and Birgit Reichert:

- 333 Developments at Salzgitter Flachstahl GmbH**

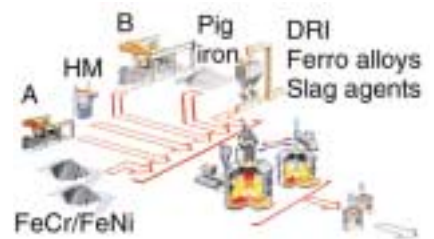
Rolf Brisberger and Holger Behrens:

- 340 The CVGL technology: main results of the first galvanising tests**

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- 351 37. IISI Annual Meeting in Chicago**

The combination of Conarc steel-making and CSP rolling has developed a surprisingly economic steel-making alternative. The results summarised here are by far not the end.



Strip casting, precision texturing, new steel grades, steel sheets with manifold surfaces are within the focus of today's steelmakers. Together



with plantmakers, they help to improve both plant and process technology in performing on-site operational tests. All these efforts concentrate on only one target: the creation of customised products offering a wide range of properties required by the individual application. Fundamental support is available from the scientific investigations. Understanding the basics always represents the best preparation for practice!



from R&D Research and Development

Jnan P. Hajra, Fritz Aldinger and Hans J. Seifert:

- 353 Derivation and applicability of the partial functions of the ternary system using interaction coefficients**

*Woo-Gwang Jung, Hang-Soo Kim, Sung-Youp Chung,
and Hyun-Soo Choi:*

- 361 Equilibrium of vanadium between molten iron and CaO-SiO₂-MgO_{sat.}-Fe_tO slag**

Simone Calvi, Carlo Mapelli and Walter Nicodemi:

- 367 Model and validation for the description of the Diescher mill**

*Brigitte Kriszt, Christian Kolbeck, Andreas Kottar,
Siegfried Figoutz, Walther Pelzer, and H. Peter Degischer:*

- 374 Characterization of open cell iron based cellular material**

Starting from purely thermodynamics a bow is drawn to the theoretical mastery of the Diescher process



and further on to the structural and mechanical properties of FeCr-based sponges. Evaluation of manufacturing techniques such as, e.g., joining, smoothe the way for the customer.



After all, even the properties of an enterprise may a be decisive factor - for the product as well as for the customer. Think of profitability and competitiveness!

This work of art vividly expresses properties: material properties are addressed by the combination of steel and plastics, maybe, even product properties if you consider



this a compound. Chemical and electrochemical properties are obvious from the occurrence of corrosion. Last, but not least, physical properties as strength and elasticity are represented by the springs as is the capability of mechanical joining.

P. Bala Srinivasan, V. Muthupandi and V. Sivan:
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from P&S Plantmakers and Suppliers

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