

ZKG

INTERNATIONAL

>430 GOOD REASONS FOR GREEN PRODUCTION

SPOTLIGHT
"A" rating for commitment to climate protection 4

PRODUCTS
Controlled feeding of alternative fuels 13

EVENTS
Successful eighth Technical Seminar 20

MATERIALS
Recycled gypsum for gypsum plaster 50

ENGINEERING
Hybrid kiln for variable lime reactivity 56



Tgl. terima : 17-06-2020
No Induk :
Asal bahan Pustaka : Beli/Tukar/Hadiah
Dari :

4 SPOTLIGHT

PRODUCTS

- 13 Beumer Group develops screw weigh feeders for precise and controlled feeding of alternative fuels
Beumer Group GmbH & Co. KG

EVENTS

- 14 International Lime Association meets in Argentina
Dipl.-Ing. Anett Hümmer, ZKG Cement Lime Gypsum
- 20 Loesche hosted a successful eighth Technical Seminar
Loesche GmbH

MATERIALS

- 22 A novel approach in the assessment of carbonate rock types for calcination in modern vertical kilns in Southern Africa
Erinus Potgieter, Visiting Adjunct Prof. Jeremy Gaylard, Prof. Dr. Lizelle Van Dyk, School of Chemical and Metallurgical Engineering, University of the Witwatersrand, Johannesburg/South Africa
- 35 Raising the quality of calcium silicate units with simultaneous reduction of production costs using Statistical Design of Experiments (DoE)
M. Sc. Tim Schade¹, University Prof. Dr. rer. nat. Bernhard Middendorf², Dr.-Ing. Wolfgang Eden³, Prof. Dr. rer. nat. habil. Sonja Kuhnt⁴, M. Sc. Eva-Christina Becker-Emden⁴
¹University of Kassel, Kassel/Germany
²Correspondence author, University of Kassel, Kassel/Germany
³Research Association Lime-Sand eV, Hanover/Germany
⁴Dortmund University of Applied Sciences, Dortmund/Germany
- 44 Multi-functional polymers for increased gypsum board production efficiency
Dr. Markus Müller, Sika Service AG, Dr. Christina Hampel, Sika Technology AG, Zurich/Switzerland



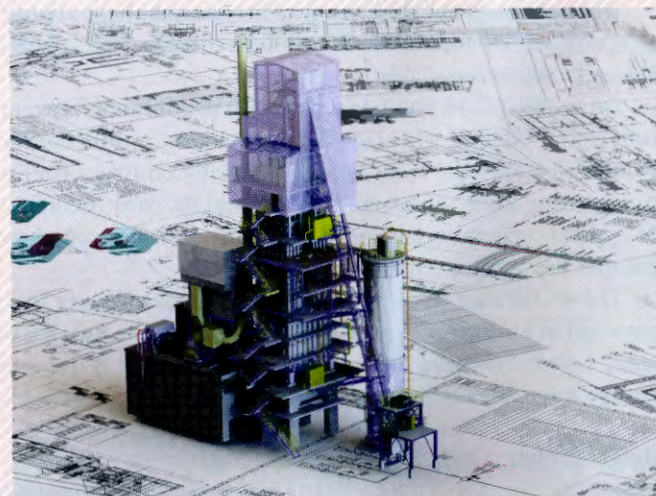
Anett Hümmer, ZKG

// Page 14
International Lime Association meets in Argentina



Authors

// Page 50
Feasibility study – Recycled gypsum for gypsum plaster and the use of cellulose ether



Maerz

// Page 56
The Maerz hybrid kiln for variable lime reactivity

Official Journal

Federal German Association of the Lime Industry
 Bundesverband der Deutschen Kalkindustrie e.V.
 Federal German Association of the Gypsum Industry
 Bundesverband der Gipsindustrie e.V.

Visit us!
 interpack, Düsseldorf, Germany
 May 7-13, 2020
 Hall 12, stand C21

50 **Feasibility study – Recycled gypsum for gypsum plaster and the use of cellulose ether**
 Dipl.-Ing. (FH) Sonja Menz, Dr. Jörn Breckwoldt, Dow Construction Chemicals, Bomlitz/Germany
 Dipl.-Ing. Andreas Hübner, Dr.-Ing. Ulrich Kothe, Casea GmbH, Ellrich/Germany

ENGINEERING

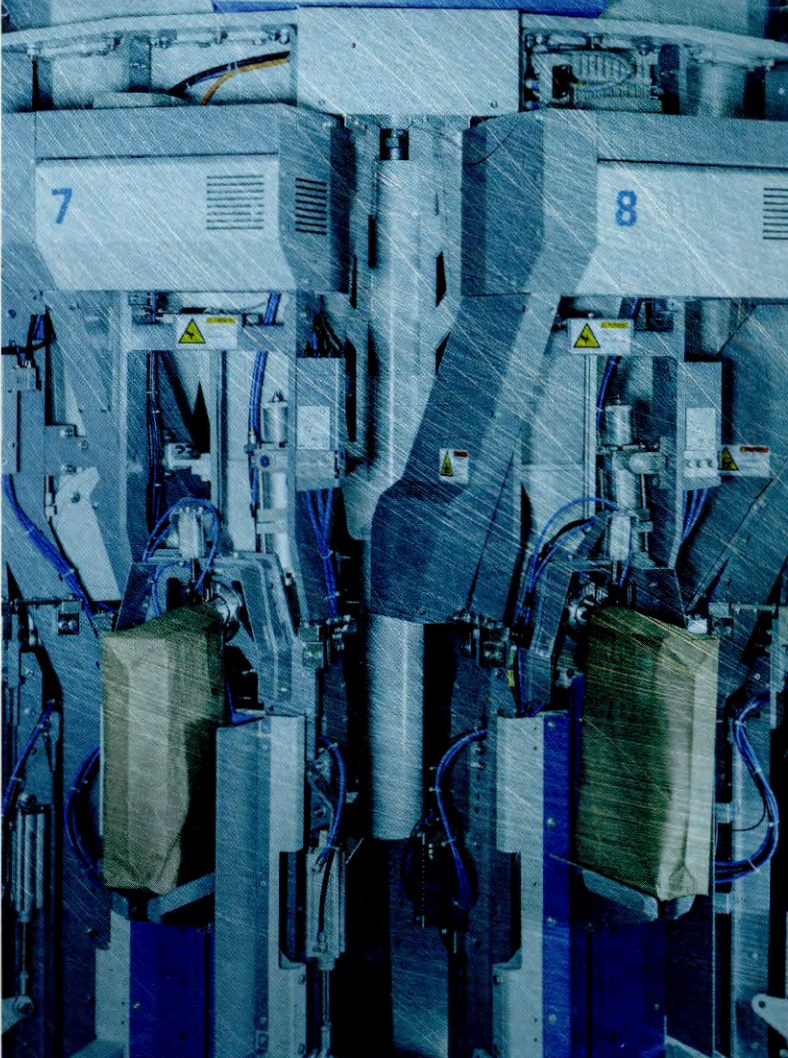
56 **The Maerz hybrid kiln for variable lime reactivity**
 Hannes Piringer, Technical Director, Maerz Ofenbau AG, Zurich/Switzerland

61 **PATENTS**

63 **COLUMN**

64 **EVENT PREVIEW**

64 **IMPRINT**



**SOME THINK
 THAT BAG
 FILLING CAN'T
 BE OPTIMISED.
 WE THINK
 DIFFERENT.**

ZKG INTERNATIONAL

>430 GOOD REASONS FOR GREEN PRODUCTION

LOESCHE INNOVATIVE ENGINEERING

The success story of LOESCHE plants with their patented technology is continuing. The LOESCHE mill series LM CS revolutionised the cement industry. More than 430 mills sold stand for highest comminution and separating efficiency for unbeatable low specific energy consumption with LOESCHE vertical roller mills. LOESCHE's key competence is the design and development of individual concepts for grinding and drying plants for the cement, steel and iron, power, ores and minerals industry.
www.loesche.com