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# CASTING

Plant and Technology

International

## The cold box process – a bridging technology

WWW.HUETTENES-ALBERTUS.COM

### Interview

CAEF Secretary-General Max Schumacher on upcoming challenges for the foundry sector

### Automation

State of the art in the manufacture of flaskless, horizontally parted moulds

### Position

Wolfgang Vogel, Schäfer Chemische Fabrik, comments on increasing brand piracy



## GTP SCHÄFER

### Cold box-bound Riser Systems

In the past years innovation and development activities of GTP Schaefer, Grevenbroich, Germany, have mainly been focused on the optimization of the application technology. In this

system that is in use for many years.

In order to reach this target an independent product portfolio of cold box-bound sleeves and risers has been established. In addition to the investment into an additional mixing line further investments into large scale



Product samples of coldbox-bound sleeves and risers (Photo: GTP Schäfer)

context the company was able to continuously complement and extend the existing Point-Riser product portfolio according to the market and customer demands and requirements. The main objective of this continuous enhancement is to offer the foundry men a riser system that can be customized towards the individual application case. This case-related adjustment has been possible due to a unique range of accessories, ranging from traditional breaker cores (EQ), exothermic reduction plates (RP) to metallic breaker cores with flat and conical shapes.

At the GIFA 2011 GTP Schaefer will introduce a further enhancement to the existing product portfolio. The development over the past few years mainly concentrated on the optimization of the riser materials. The target was in the improvement of the overall product portfolio as well as to develop further user/customer groups. The main focus was the introduction of a complementary binder system besides the well-established inorganic waterglass (silicate) binder

machinery have been made in order to maintain the usually short delivery times of GTP Schaefer also in this new product line.

With respect to the riser geometries available a close analogy can be observed to the existing waterglass portfolio. Nowadays all traditional and standardized sleeves are serially available in cold box-bound quality. In addition, a wide range of Thermo- and point-Risers has been made available in order to complete this product line. New types are continuously added according to the market's demand.

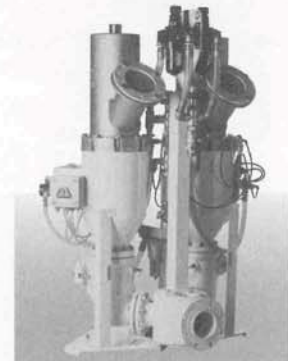
With respect to the properties of the cold box-bound materials, various formulas are available. These formulas can mainly be differentiated into exothermic and insulating formulas. The selection of the specific formula is made with respect to the individual application case.

Hall 12, Stand G29/G30  
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## We look after every grain of sand

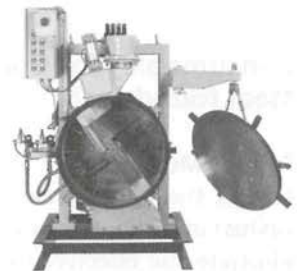
### Pneumatic conveying technology

For dry, free flowing, abrasive and abrasion-sensitive material



### Core sand preparation technology

Turn-key systems including sand and binder dosing and core sand distribution



### Reclamation technology

Reclamation systems for no-bake sand and core sand



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