



Press release

ASK Chemicals offers important levers for increasing efficiency

GIFA 2019: More efficiency in the process chain gives an edge over the competition

Hilden, June 3, 2019 – Efficiency and quality are key competitive advantages. If you want to reduce costs, increase productivity and at the same time offer a high-quality product, you have to keep an eye on the entire value chain. Potential levers can be found in many places here, for example in the selection of suitable raw and auxiliary materials, but also by taking appropriate measures to reduce emissions.

At GIFA 2019 from June 25 to 29, ASK Chemicals will present solutions that make a valuable contribution to increasing efficiency (Hall 12, Stand A22)

Foundry processes are complex. Sands and binders, release agents and coatings, feeders and filters, rejects and post-processing, input quantities and much more – there are numerous levers with which costs can be saved and productivity increased.

"With our efficient solutions, we support our customers in optimizing their total cost of ownership, i.e. the cost-effectiveness along their entire process chain," explains Dr. Volker Böhm, Chief Business Development Officer at ASK Chemicals. "This is how we help them to maintain and increase their competitiveness in a sustainable way."

The total cost of ownership is the sum of all costs associated with an asset, including ongoing indirect or direct expenses. The calculation quickly shows the advantages of the efficient use of raw materials along the entire value chain.

In addition to the key aspect of efficiency, other aspects are relevant for a sustainable future, explains Dr. Böhm: "Our products ensure that our customers are also on the safe side when it comes to new requirements for occupational safety and environmental protection."

Replace process steps or raw materials

One example is the hybrid additives offered by the Hilden-based company with its VEINO ULTRA product family. At GIFA 2019, ASK Chemicals will be presenting the new VEINO ULTRA 4874, the latest addition to the range, which makes it possible to dispense with coating.

Hybrid additives offer numerous advantages depending on the field of application. For example, they increase material efficiency – less material is needed to achieve the same performance. They also help prevent veining and other casting defects, reducing post-processing and scrap costs. In addition, hybrid additives reduce material input elsewhere by making the use of expensive special sands partially or completely unnecessary.

Increase efficiency

One approach that the Hilden-based company has been successfully pursuing for many years is to optimize the efficiency of its products to such an extent that two effects are achieved: Not only do customers need less product to achieve the desired performance but what's more, fewer emissions are released. An example of this are the emission-reduced ECOcure BLUE binders. Foundries can work with less resources or materials without having to make concessions with regard to strength, reactivity or casting results. On the contrary, the formulation of the product even reduces emissions – especially VOC, BTX, phenol and formaldehyde.



Reducing reworking

An important lever for increasing efficiency in engine casting is the avoidance of coating residues in the casting, as the requirements for residual dirt content in engines are constantly on the rise. The removal of coating residues is time-consuming and cost-intensive, but with MIRATEC TS this additional processing is no longer necessary. This innovative coating offers excellent protection against veining and penetration defects and also contains special peel-off additives. Thanks to this formulation, the coating is almost automatically detached from the component after casting, solidification and cooling. This enables OEMs to meet their high requirements without additional investment in equipment or loss of productivity.

Reduce cleaning intervals and increase productivity

The use of release agents is already standard practice today. They help to ensure that the sand core can be easily removed from the core tool. Of course, this also affects the tool: Increased efficiency of the release agent translates into lower contamination and wear of the core tool. Here, the formulation of the release agent is of critical importance. Modern ECOPART release agents are environmentally friendly and label-free, reduce application cycles and thus have a positive influence on downstream cleaning intervals — while even protecting the tool

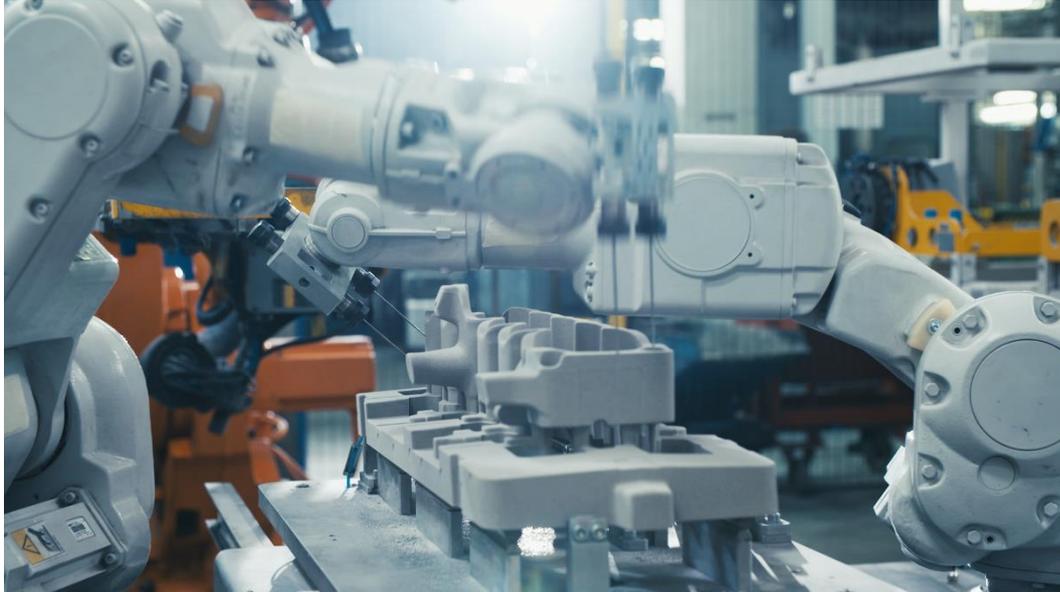
ASK Chemicals is presenting this and other efficiency enhancing solutions at the GIFA in Düsseldorf from June 25-29, 2019 in Hall 12, booth A22.

Further information about GIFA is available at www.gifa.ask-chemicals.com.

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Images for the press release



Picture 1: Advanced foundry chemicals and consumables help make the entire process chain more efficient



About ASK Chemicals

ASK Chemicals is one of the world's largest suppliers of foundry chemicals and consumables, with a comprehensive product and service portfolio of binders, coatings, feeders, filters, and release agents, as well as metallurgical products including inoculants, Mg treatment, and inoculation wires and master alloys for iron casting. Core manufacturing and development of prototypes, as well as a broad offer of simulation services, complete the range of supply.

With research and development in Europe, America, and Asia, ASK Chemicals sees itself as the driving force behind industry-specific innovations and is committed to offering customers a consistently high level of quality. Flexibility, quickness, quality, and sustainability, as well as cost-effective products and services, are of key importance.

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