

## “High end descaling in forgings”

The continuous development in the materials, processing and joining technology, always opens up newer possibilities of application and optimization for components and complex structures. Specific forging processes require specifically adapted production units. Their development targets clearly to raise highly economical the value added in the process, to boost productivity, to increase the availability of production units, while reducing the process expenses.

In particular, extrusion processes and the use of high-alloyed or micro-alloyed steels, gaining importance in manufacturing of high quality forgings, represent a challenge for the established descaling processes.

High degrees of deformation and the demand for near net shaping require an absolute clean surface of the forging part before the first upsetting. Likewise, for the production of high-quality forged products is crucial that the temperature control can be maintained during the ongoing process within narrow limits.

More over the increased adhesive forces of the scale of modern alloys also represents a challenge to hydraulic descaling systems.

The need for hydraulic descaling systems in forging is steadily increasing. And often issues of individual part and process handling stand apart from the actual descaling process in the center.

The presentation "High end descaling in forgings" will offer an insight into the actual process of hydraulic descaling, roam through the achieved state of the art, and introduces along realized examples the most modern methods, meeting the currently owned demand of high quality forgings. More over the potentials and influences throughout the entire value chain will be exposed.

Autor:  
Gregor Przybylla  
Managing Director

SGGT Hydraulik GmbH  
Sinnerthaler Weg 7  
66538 Neunkirchen

Tel: +49 6821 92083 0  
Mail: [gregor.przybylla@sggt-wh.de](mailto:gregor.przybylla@sggt-wh.de)