**Press Facts**

High-efficiency descaling

Microline Descaling at Buderus Edelstahl

Buderus Edelstahl invests in new descaling technology

**Neunkirchen, Germany, October 7, 2021 Buderus Edelstahl GmbH has placed an order with SGGT Hydraulik for the supply of a Microline Descaling system. The machine, designed for the descaling of semi-finished products, such as billets of different steel grades, is characterized by very short cycle times and high energy efficiency.**

Buderus Edelstahl will use the new, type MD 3000, machine for the descaling of up to 140 mm round and square billets with maximum lengths of 400 mm. The descaler’s pressure intensifier will be equipped with SGGT-patented quick-acting nozzle valves, which minimize water consumption. Consequently, the water requirement per part descaled will be below 3 liters.

The up to 320 bar process pressure will be activated only when needed, i.e. when a product is passing through the spraying ring. This makes operation of the machine extremely energy-efficient. The hydraulic output of around 156 kW at the nozzles is achieved with a motor power of only around 15 kW.

Thanks to innovative conveyor and control systems for all related processes – including parts feeding and water filtration –, the machine can descale products within a cross-section range of up to 140 mm and up to 45 kg weight in just 8 s cycle time.

Hot commissioning of the new Microline Descaler is scheduled for January 2022.

**200 words**

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| Fig. 1: The SGGT-patented, quick-acting nozzle valves open and release the up to 320 bar pressure only when the system captures a product present within the spraying area.  File name: SGGT\_Spritzring\_MD\_2.jpg |  |

Photos: courtesy SGGT Hydraulik GmbH

**About SGGT Hydraulik**

SGGT Hydraulik GmbH based in Neunkirchen/Saar, offers system technology and service for descaling and water hydraulics. SGGT equipment is used in the hot forming of metals wherever high pressure is required, often in combination with high flow rates; for example in the steel industry for descaling of slabs, billets and hot strip. The systems are experiencing an increasing demand in the forging industry and in particular in applications where hydraulic descaling was previously not common. The company's customers include renowned forges worldwide. SGGT supplies to many customers directly, and in addition, world-renowned plant engineering companies incorporate SGGT systems in their modern lines.

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