Microline Descaling

BEST SURFACE QUALITY OF FORGINGS
OPTIMIZES RESULTS AND PROCESSES

SGGT HYDRAULIK GMBH
Hydraulic descaling systems
fast · versatile · eco-friendly
The removal of scale from the surface inductively reheated forging parts places special demands on the hydro-mechanical descaling. Particularly in view of the limited heat capacity of the low component masses, the parameters of the applied energy such as jet pressure and specific charge must be properly selected and placed precisely to the point.

The use of the lowest possible amount of water, in combination with high operating pressures and shorter handling times, thereby enabling minimum loss of thermal energy together with optimum descaling result.

The exact guiding of the parts in the process, is just as important as the precise activation of the nozzles in order to ensure a reproducible result along with a minimum energy expenditure.

In particular extrusion forgings, demanding increased requirements for temperature control, as well as cleanest surfaces in the forming process, benefit from the implementation of the MicrolineDescaling system.

YOUR BENEFITS: ECONOMIC OPERATION

Return on investment is rapidly reached by:

- Reduction of scale based rejects.
- Increased productivity by reduction of process steps.
- Significant energy savings compared to conventional descaling.
- Minimized tool wear for dies and machining operations.
ACHIEVING BEST QUALITY ALL ROUND

YOUR ADVANTAGES

MicrolineDescaling is a water hydraulic high-tech method for descaling of small and midsized forging parts.

- Top quality through scale-free surfaces by means of hydraulic high pressure descaling.
- Shorter process times for higher productivity because “upsetting can be omitted for descaling”.
- Minimum temperature drop for optimum forming processes.
- Longer service life of the dies due to minimized wear.
- Less energy consumption due to minimal water usage and short switching times.
MADE IN GERMANY

YOUR SYSTEM

designed and manufactured in Germany
for reliable and efficient continuous operation.

Can be retrofitted into existing lines.

Independent operations, no additional components necessary.

Compact design for a small implementation area.

Central pressure water supply to several descaling units by the modularity of the units.

TO SUIT YOUR NEEDS

Series of MicrolineDescaling:

- **MD 1000** for parts dimensions up to RCS / Dia. 75/75 x 800 mm
- **MD 1500** for parts dimensions up to RCS / Dia. 120/80 x 750 mm
- **MD 3000** for parts dimensions up to RCS / Dia. 150/140 x 800 mm
- **MD 4500** for parts dimensions up to RCS / Dia. 170/160 x 1350 mm
- **MD 6000** for parts dimensions up to RCS / Dia. 200/200 x 2200 mm

Well tempered

With a very low temperature drop between about 5-15°C during the descaling process. MicrolineDescaling enables the descaling of material qualities with certain temperature limits before the hot forming process.
THE COMPETENCE OF SGGT

As a partner of rolling mills and forging companies as well as mill equipment manufacturers and machine builders SGGT Hydraulik designs and supplies individual water hydraulic components as well as complete turnkey systems for descaling and water pressure generation.

**Descaling systems:**
For first-class surface, we supply hydraulic descaling on turnkey basis. You get everything from a single source: Concept, Commissioning, Service.

**Pressure water systems:**
With systems tailored to the exactly required pressure and flow rate, matching your demand on economic overall concepts for completed systems.