



# DESCALING SYSTEMS

## MOBILE DESCALING OPTIMIZER

### RELIABILITY & EFFICIENCY

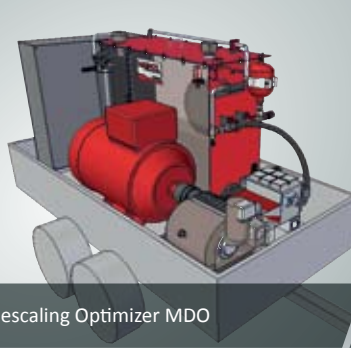
Increasing quality standards on steel and forging products are also forcing the standards on modern descaling systems:

- scale free surfaces in consideration of minimal cooling of the parts
- integration in existing production lines and compliance with specified cycle times
- environmentally friendly use of the resource water
- efficient energy input

With the “mobile descaling optimizer MDO” we realize as your reliable system partner the essential development step for the conceptual design of descaling systems. You can carry out descaling tests quickly, flexibly and with minimal effort under real operation conditions in existing production lines. Findings gathered from the tests and the determination of the impact are ensuring an optimal conceptual design of descaling systems from the very beginning.



Descaling box, block descaling



Mobile Descaling Optimizer MDO



Pump stations hollow block descaling





# OPTIMIZED SYSTEM DESIGN

## SYSTEM RESPONSIBILITY IN ONE HAND

In addition to the design of the spraying headers and the complete water hydraulic, the key factors for the successful and failure free operation of the production process are the construction of the descaling box, the manipulation of the parts and the optimized automation of the complete system. With the divisions robotics & hand-

ling, waterhydraulic & treatment, hydraulic and electronic systems HAINZL has the ability to design and implement systems without interfaces. The complete responsibility is out of one hand initiating at the calculation and execution of tests with the MDO, the engineering and realization to the point of installation and commissioning.

## ADVANTAGES

-  Approved design by a number of implemented systems
-  Standardized units for quick delivery time and economically priced solutions
-  Optimized package solution with adjusted units
-  Low – wear sealing technique



Standardized descaling valve blocks



Descaling Cartridge

## UNITS FOR CUSTOMER DESIGNED SOLUTIONS

Descaling valves are essential units in a descaling system, due to operation at extreme demands caused by high switching cycles, abrasive fluids and high flow. Together with well known steel producers HAINZL developed its own descaling cartridge and optimized it

in consideration of material selection, surface treatment and sealing arrangement. The result of this development is the HAINZL valve type series from DN 32 to DN 150, which is characterized by extreme wear resistance combined with flow optimized design.