



HIGH PRESSURE DESCALING JET SYSTEMS

High pressure descaling of iron scales is used as an effective tool for removing iron scale from the surface of hot metal semi-finished products.

Iron scales (iron oxide formed) occur when a semi-finished product is heated in the furnace (primary iron scale) as well as during the consequent process of re-forming while hot (secondary iron scale).

GENERAL PARAMETERS OF EQUIPMENT

- Descaling of primary and secondary iron scales (the simultaneous operations of various descaling areas is possible)
- Descaling of the whole surface of the semi-finished product as well as reduced descaling of only specific surfaces of the semi-finished product
- High level of automation control
- Implementation of "custom-built" business cases

WHAT WE OFFER TO THE CUSTOMER

A SUPPLY OF NEW TECHNOLOGY OF DESCALING IRON SCALES

- Design of technological solution and the definition of proper parameters of descaling iron scales with regard to the rolling program, quality of rolling material, operational conditions and conditions of the rolling track
- Implementation in the areas of construction, engineering, electrical, measuring and regulation, including the controlling and visualization SW
- Complete project documentation for related activities and technology, building documentation, the actual building and introductory documentation, including the related testing and quality certification of individual parts and the whole unit

- Application of jumping, no impact, no loss flow modifications to plunger pumps
- Controlling technology in the manual, semi-automated and fully automated regimes, including the relation to the superior control system of the rolling track
- Supply of equipment to the worksite, assembly, running, individual and complex testing
- Service training, warranty and post-warranty service
- Quality guarantee of the rolled out surface according to EN 10 163

B MODERNIZATION/RECONSTRUCTION OF THE EXISTING TECHNOLOGY OF DESCALING IRON SCALES

- Analysis of the current situation
- Parameter assessment of the technology of descaling iron scales
- Dynamic assessment of the whole technology or partial technological intersections
- Proposal of options for modifying the technological solution
- Selection of the optimal solution, focusing on maximum usability for the operator
- Implementation of partial modifications, re-building or implementation of the entire investment unit