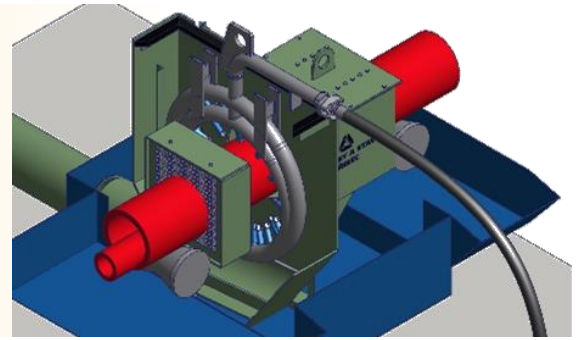




HIGH PRESSURE DESCALING



Strojírny a stavby Třinec, a.s. offer high pressure descaling, an effective method of scale removal from the surface of a hot metal semiproduct. This is the descaling of the metal product surface by high pressure water jet. It leads to improving the surface quality of the final product.

This method of surfaces cleaning is most commonly used before and during of the steel rolled forming. Scale are formed during the heating of semiproduct in the furnace (primary scale) and during the subsequent process of hot forming (secondary scale). Scale must be removed in order to not during the subsequent forming (rolling, forging) be pushed into the base material and by that not to reduce the mechanical properties and quality of the semiproduct.

We can apply high pressure descaling to various profiles of rolled material (square, round or flat) and their dimensional range. We offer a supply of various types of nozzles incl. the possibility of its tilting.

The equipment we are able to design and deliver acc. to the technical requirements and customer specifications. We offer high pressure descaling technology incl. water system on the key.

REFERENCE: TŘINECKÉ ŽELEZÁRNY – TUBE MILL PLANT

High pressure descaling of tubes is situated behind the walking beam furnace, in which the heat treatment is performed. After tube descaling are tubes calibrated on calibration device.



Rolled material

Circular tube	Ø 168 up 406 mm
Tube material	Steel
Tube temperature	550-700°C
Tube length	max. 14 m

High pressure descaling data

Working liquid	Water
Rate of flow	430 l/min
Working pressure	220 bar
Number of nozzles	32
Max. number of descaling cycles	34 pcs/hr
Min. number of descaling cycles	5 pcs/min

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