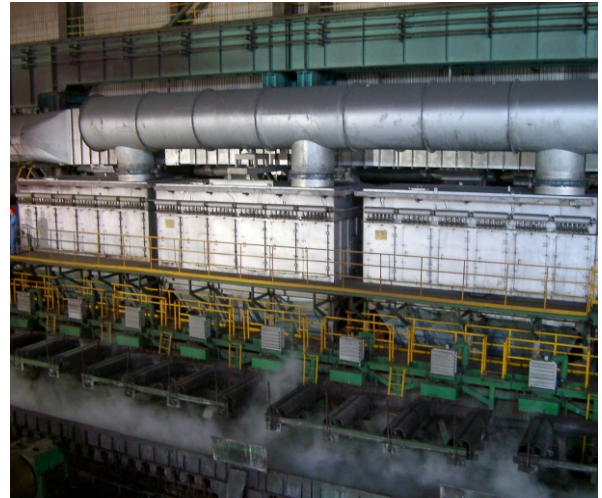


■ Process: Hot rolling of stainless steel sheet metal, China



■ The Task

Manufacturing of stainless steel sheet metal creates high demand on the availability of the entire process. The production equipment is designed for a constant operation of three working shifts over the complete year. This is the only way to reach consistent high quality levels and realize a payback of investment costs.

Furthermore an optimum surface quality of the hot rolled sheet metal is required last but not least to obtain maximum sales prices.

Therefore, it is necessary to do extraction at the finishing train (gauging) between and after the rolling stations.

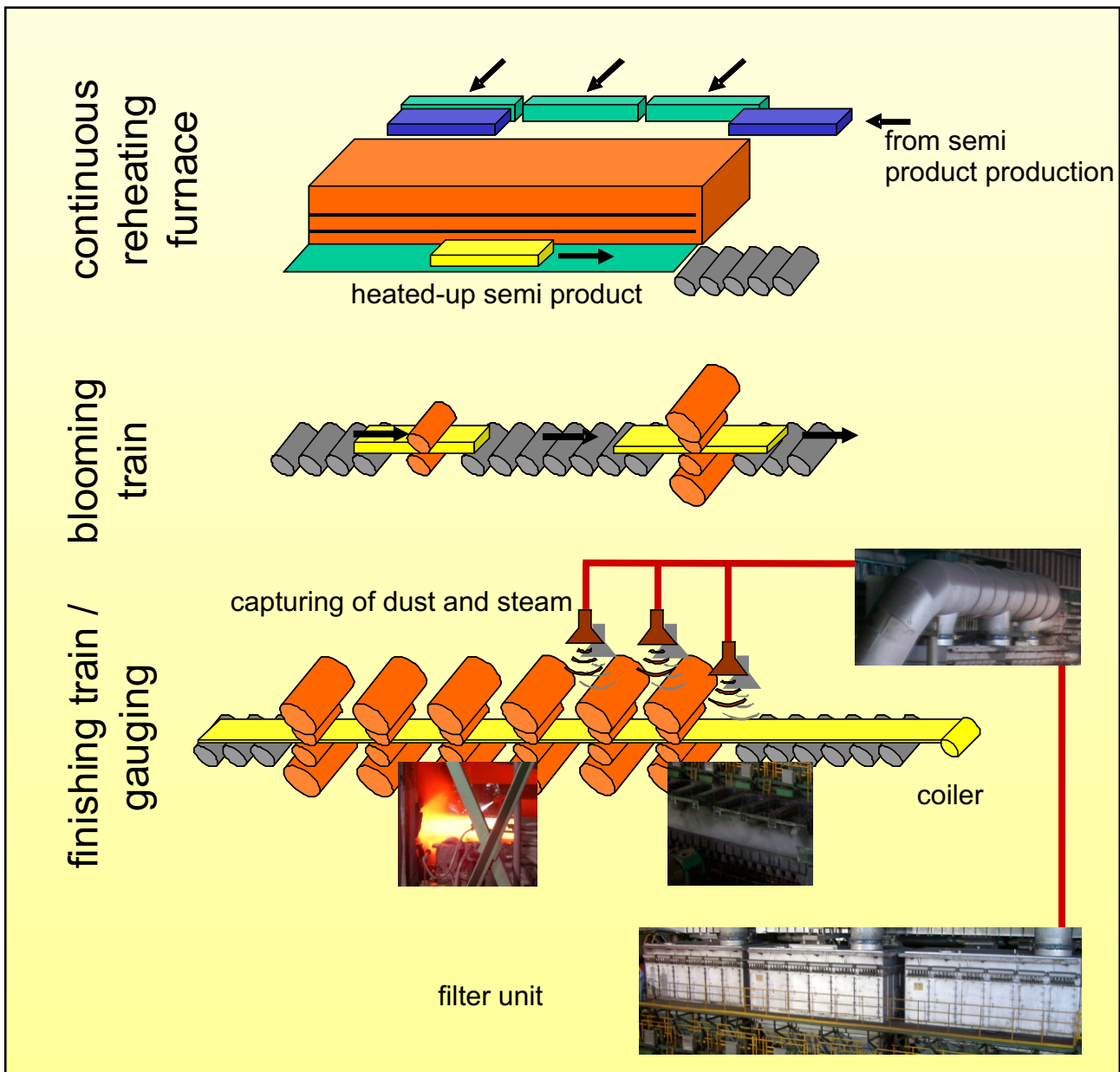
The split-off metal oxides are collected. Thus they can not be rolled into the surface of the sheet metal. Furthermore the maximum portion of the water steam from cooling is exhausted.

■ The Solution

Herding® Filtration System for the manufacturing of sheet metal

- ⇒ Air flow from 200,000 to 300,000 m³/h
- ⇒ Exhaust between the last three rolling stations and directly at the exit of the sheet metal out of the finishing train
- ⇒ Water repellent PTFE-coating for collection of dust-steam-mixture
- ⇒ Indoor installation to avoid freezing possible because of the compact unit design
- ⇒ Maximum availability of the filter system due to the compact rigid body of the filter elements with an average life time of up to 10 years guarantees maximum up time of the production equipment
- ⇒ Constant pressure drop and constant air flow due to pure surface filtration guarantee constant high product quality levels
- ⇒ Several first-class references within the steel industry

■ Process: Manufacturing of stainless steel sheet metal ...
... and the solution to the dust problem



The Herding® Sinter Plate Filter

The Advantages:

- ⇒ Constant product quality due to constant air flow
- ⇒ PTFE-coating of the filter elements and therefore pure surface filtration and capability to exhaust dust-steam-mixtures
- ⇒ Compact rigid body with maximum life time guarantees pure productivity

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