

New peeling line in Cold Finishing

The decision to invest in a new peeling line is our response to market demands and is one of the strategic goals of the company to increase the level of finalised products and consequently increase of added.



Starting points for the new peeling line

The sales and therefore production of peeled steel has been increasing year by year. The production of peeled steel has increased by 100% in the last five years from 2012 (21,346 t) to 2017 (39,690 t). The peeled steel sales value reached 28.3% of total company sales in 2017.

The 2018 goal is to reach 40,000 t peeled steel sales, which is the upper limit of our technical peeling capacity. The demand on the market would enable us to exceed 45,000 t sales of these steels in 2018.

This is why a decision has been made to increase the peeling capacity. The decision to invest in a new peeling line is our response to market demands and is one of the strategic goals of the company to increase the level of finalised products and consequently increase of added value. The investment was comprised in the 2016 – 2020 business plan, which planned 55,000t of peeled steel sales in 2020.

Above: production hall of the Cold Finishing

Brief introduction of the investment

The new peeling line will have an annual technical capacity of 30,000 t and the total capacity of peeled steel on all three lines will increase to 60.000 t.

The new peeling line for manufacturing and inspection of bright profiles in the Ø18 - Ø105mm range will consist of:

- peeling machine,
- polishing machine,
- chamfering machine,
- inspection line and
- packaging line.

The line with the length of 65m will be located in the existing cold finishing plant (the former plant for pre-profile preparation). The position placement is coordinated with the planned development of logistic ways in the company.

Its design is based on placement of modern lines of our competitors and adapted to our needs. The material will travel from start to end of the finishing, inspection and final packaging through the whole line. No bridge cranes will be used, which is the case with the present setup of machines. The purpose of the line is to achieve the best results without physically moving the material from one machine to the other.



Investment effects

End of March, the contract was signed with the supplier MAIR from Italy for the delivery of the main equipment ((peeling, polishing and chamfering machines). The company has already supplied the existing peeling machines and the straightening machine in the Rolling Mill. The investment value is 3,030,000.00 EUR. The delivery is planned for the start of March 2019. The contract for the purchase of an inspection line (inspection of surface defects) with the company Pruftechnik from Germany is in the final stage. The investment value is 170,000.00 EUR. A new packaging line purchase is under negotiation with companies SAS and MAIR (both from Italy). The investment value is 400,000.00 EUR. The total investment value adds up to

3,600,000.00 EUR. The funding will be arranged with a long-term source (loan or leasing).

The peeled steel sales increase in 2021 (55,000t) to 37.7% of the total company realisation in accordance with the 2018-2022 sales plan.

The investment in the new peeling line will also have technological effects such as:

- Increased productivity - reduced finishing costs,
- Finishing (peeling) of steels with increased hardness (improved steels, spring steels...) will be enabled.
- Finishing of all steel qualities within very narrow tolerances.

Alojz Gajšek, Head of Cold Finishing



Above: peeling machine from the supplier offer; below: peeled bars