



3+1 EVO UNIVERSAL TANDEM MILL INCREASED PRODUCTION WITH LONGER ROLLING CAMPAIGNS

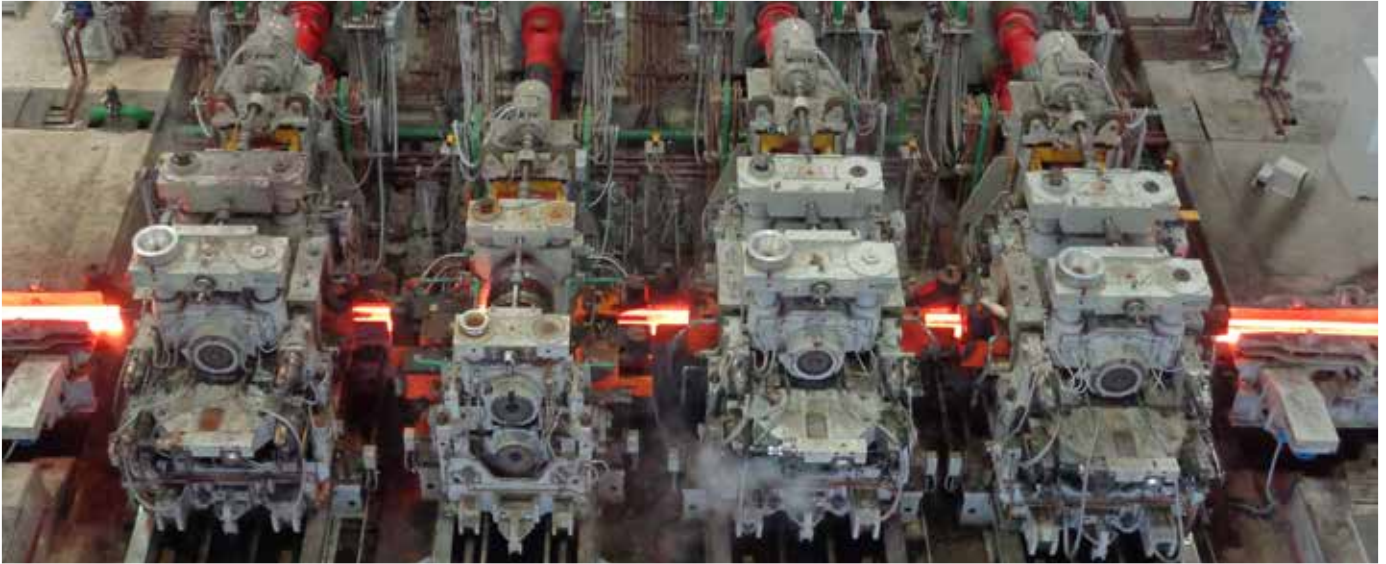
Universal tandem mills are used in rolling installations for rails and sections. The tolerance precision and surface quality of the final bar are greatly affected by the wear condition of the finishing rolls. The duration (tons) of a rolling campaign can only be extended by reducing the wear of the finishing rolls.

FIELD OF APPLICATION

Rolling mills for long products

MAIN BENEFITS

- fewer downtimes
- longer rolling campaigns with the same dimensional tolerance and finishing quality
- larger production for a given time availability
- OPEX reduction of roll sets, associated change parts, rollshop equipment
- CAPEX fast payback
- compact arrangement of the mill



MAIN FEATURES

The 3+1 EVO is a reversing tandem mill for universal rolling of rails and sections. The first three stands are arranged in universal-edging-universal configuration and operate during the reversing pass sequence. The fourth universal-finishing stand is instead kept open or off-line, and used only once for each bar at the end of the sequence. Available with housing- and housingless-type stands, the 3+1 EVO facilitates a reduction of operating costs and a fast CAPEX payback.

TECHNICAL DATA (E.G. NOMINAL 700 KTPY)

Increase of production	5%
Saving of OPEX	10-12%
Payback time	< 1 year

FEWER DOWNTIMES, LONGER CAMPAIGNS

By using the the fourth stand only for a low-reduction finishing pass, the roll wear is reduced and its lifetime significantly extended before redressing is needed. Therefore, rolling campaigns may be longer. Considerable savings of OPEX in terms of roll sets, associated change parts and rollshop equipment are possible.

REFERENCES


- FEWER DOWNTIMES, LONGER CAMPAIGNS

Primetals Technologies Italy Srl.
A joint venture of Siemens,
Mitsubishi Heavy Industries and Partners

Via Pomini 92 | 20150 Marnate | Italy
primetals.com

Order No. T06-O-N545-L2-P-VI-EN
Printed in Linz | © 09.2017

The information (including, e.g., figures and numbers) provided in this document contains merely general descriptions or characteristics of performance based on estimates and assumptions which have not been verified. It is no representation, does not constitute and/or evidence a contract or an offer to enter into a contract to any extent and is not binding upon the parties. Any obligation to provide and/or demonstrate respective characteristics shall only exist if expressly agreed in the terms of the contract. These estimates and assumptions have to be analyzed on a case-to-case basis and might change as a result of further product development. Primetals Technologies excludes any liability whatsoever under or in connection with any provided information, estimates and assumptions. The provided information, estimates and assumptions shall be without prejudice to any possible future offer and/or contract. Any use of information provided by Primetals Technologies to the recipient shall be subject to applicable confidentiality obligations and for the own convenience of and of the sole risk of the recipient. Primetals is a trademark of Primetals Technologies Ltd.

ClimatePartner 
**printed climate-
neutrally**

Certificate Number:
006-53612-0411-1001
www.climatepartner.com