

MEASUREMENT & ANALYTICS

JSW Steel, Bellary, Karnataka, India has successfully installed Stressometer flatness control systems



JSW Steel's 2-stand compact cold rolling mill and skinpass mill running with two Stressometer 7.0 FSA flatness control systems.

Measurement made easy

01

01 Cold rolling mill at JSW Steel.

02 Entrance of JSW Steel, Bellary, India.

What has been achieved?

We ask Mr. G S Rathore, Senior Vice President, about the Stressometer 7.0 installations: "ABB, in general, is the major supplier for JSW, has the biggest installations and is the partner for most equipment within JSW Group. We are very satisfied with the Stressometer systems; the availability is high; we have seen considerable yield improvements. We summarize: Stressometer is a beautiful piece of machine."

"Stressometer is big help in stand-alone skinpass mill. We have full ramp up in skinpass mill and the use of levelling line is down by 20 %."

"We perceive good thickness and flatness through ABB Automation as well as good thickness through the AGC."

"With Stressometer all operators provide even and consistent strip quality and we are proud to say that German appliances customers are very happy with the strip quality."

Mr. Sanjay Sharma, Associate Vice President – CRM, comments the Stressometer 7.0 installations: "There is a good service level from ABB. We can get service within 12 hours. It is important with local service."

"There are low maintenance costs for Stressometer. We appreciate supervision from ABB in different issues and in order to keep up the knowledge level we are sending people to Sweden for Stressometer training. Through your frequent visits at JSW Steel our business relations feel serious on a satisfactory level."

02



Company profile

JSW Steel, the flagship company of the JSW Group, is today an integrated steel manufacturer and the largest private sector steel manufacturer in terms of installed capacity.

In 1994, in order to achieve the vision of moving up the value chain and building a strong, resilient company, Jindal Vijayanagar Steel Ltd. (JVSL) was setup, with its plant located at Toranagallu in the Bellary-Hospet area of Karnataka, the heart of the high-grade iron ore belt and spread over 3,700 acres of land. In 2005, JISCO and JVSL merged to form JSW Steel Ltd.

JSW Steel offers the entire gamut of hot and cold steel products. By 2020, the company aims to produce 34 million tons of steel annually with Greenfield integrated steel plants coming up in West Bengal and Jharkhand.

JSW Group is one of the fastest growing business conglomerates with a strong presence in the core economic sector. This Sajjan Jindal led enterprise has grown from a steel rolling mill in 1982 to a multi-business conglomerate worth several billions within a short span of time.

For more information visit:
www.jsw.in

—
"We are very satisfied with the Stressometer systems; the availability is high and we have seen considerable yield improvements. We summarize: Stressometer is a beautiful piece of machine."

G S Rathore, Senior Vice President at JSW Steel,
Bellary, Karnataka, India.





Supplied equipment

ABB Force Measurement has supplied the following to JSW Steel:

Compact Cold Rolling mill, 6-hi 2-stand TCM reversible

- One Stressometer 7.0 FSA flatness control system
- Two Stressometer 33 measuring zones standard rolls, diameter 313 mm
- PillowBlock strip tension system
- AC drive

The Stressometer 7.0 FSA system delivery includes control of skewing, work roll bending, IMR bending and Spot OnOff cooling.

4-hi skinpass mill

- One Stressometer 7.0 FSA flatness control system
- One Stressometer 33 measuring zones standard rolls, diameter 313 mm
- PillowBlock strip tension system
- AC drive

The Stressometer 7.0 FSA system delivery includes control of skewing and work roll bending.

Mill data

Compact Cold Rolling mill, 6-hi, 2-stand TCM, reversible	
Mill builder	SMS Siemag
Rolled material	Steel strip
Tonnage	0.85 Mtons/year
Coil weight	62 tons
Strip width min./max.	800 mm to 1650 mm
Exit strip thickness min./max.	0.30 mm to 3.0 mm
Max. rolling speed	1350 m/min
Mill motor	6000 kW
4-hi skinpass mill	
Mill builder	SMS Siemag
Rolled material	Steel strip
Tonnage	0.875 Mtons/year
Coil weight	32 tons
Strip width min./max.	800 mm to 1650 mm
Exit strip thickness min./max.	0.30 mm to 3.0 mm
Max. rolling speed	1000 m/min
Mill motor	1400 kW



ABB AB
Measurement & Analytics
Elektronikgatan 35
S-721 36 Västerås, Sweden

abb.com/stressometer
abb.com/stription

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB. Copyright© 2020ABB. All rights reserved.