

## Wuxi Changjiang Sheet Metal's two 4-hi and one 6-hi reversing mills are running with Stressometer flatness control systems

Three Stressometer flatness control systems successfully installed and commissioned at Wuxi Changjiang Sheet Metal in Wuxi, Jiangsu, China



Wuxi Changjiang Sheet Metal Co., Ltd, is since 1997 a part of the Union Steel Group, which was established in 1962 within Dongkuk Steel Group. Union Steel is producing cold rolled steel plates, galvanized steel plates, galvalume steel plates and colored steel plates for the last 40 years, leading the steel industry in Korea. Wuxi Changjiang Sheet metal produces steel strip for applications in the fields of automotive, home appliances, electronic & electrical equipment and construction material.

With continuous technology and product development, Union Steel continues its fame as the high technology steel producer and the company takes pride in contributing to making the world beautiful with steel. (For more information, visit [www.unionsteel.co.kr](http://www.unionsteel.co.kr) and [www.unionsteel.cn](http://www.unionsteel.cn))

### What has been achieved?

We ask Mr. Shen Wei Zhong, Technical/Electrical Department Manager:

"In general, Stressometer has a very stable measurement and is a very reliable flatness system.

We want to mention our experience with Wuxi's old (version 4.0) and new (version 6.0) Stressometer system and compare the two: The Stressometer 6.0 system has better interface and the interface is more simplified with better computer technology.

With Stressometer it is very easy to detect faults and the Stressometer 6.0 system is better for maintenance.

The old Stressometer 4.0 system interface is an industrial PC compared to the new Stressometer 6.0 system interface consisting of very good graphics.

All together, the Stressometer is the best flatness control system on the market."

**"Stressometer is the best flatness control system"**

Mr. Zhang Liang, Management Department, Import & Export Department, adds his opinion about the Stressometer installations:

"Union Steel in Korea is very satisfied with all the Stressometer systems installed. That is the main reason for choosing Stressometer for the Wuxi plant. Also for spare parts and replacements we see it as a big benefit having them available within the company."



### Supplied equipment

ABB Force Measurement has supplied the following equipment to Wuxi Changjiang Sheet Metal:

#### 4-hi reversible CRM no 1

- One Stressometer 4.0 flatness control system
- One Measuring roll, 26 measuring zones, each zone 52 mm wide
- One Millmate Strip Tension system

#### 4-hi reversible CRM no 2

- One Stressometer 4.0 flatness control system
- One Measuring roll, 26 measuring zones, each zone 52 mm wide
- One Millmate Strip Tension system

#### 6-hi reversible CRM no 3

- One Stressometer 6.0 FSA flatness control system
- One Measuring roll, 27 measuring zones, each zone 52 mm wide
- One Millmate Strip Tension system

All three Stressometer system deliveries includes control of WR bending, skewing and spot cooling OnOff.



Mr. Shen Wei Zhong and Mr. Zhang Liang concordantly comment the Stressometer flatness control installations: "It is simple for the operators to do the set up with the Stressometer system."

Mill data CRM 1	4-hi Single stand mill
Rolled material	Steel
Tonnage	250 000 tons/year
Coil weight	23.5 tons
Strip width min./max.	550 – 1150 mm
Exit strip thickness min./max.	0.20 – 2.30 mm
Max. rolling speed	840 mpm
Work rolls	401 - 458 mm
Backup rolls	1244.6 - 1377.8 mm
Mill motor	2500 HP x 2

Mill data CRM 2	4-hi Single stand mill
Rolled material	Steel
Tonnage	350 000 tons/year
Coil weight	23.5 tons
Strip width min./max.	600 – 1350 mm
Exit strip thickness min./max.	0.20 – 2.30 mm
Max. rolling speed	800 mpm
Work rolls	410 - 458 mm
Backup rolls	1150 - 1250 mm
Mill motor	800 kW x 4

Mill data CRM 3	6-hi Single stand mill
Rolled material	Steel
Tonnage	400 000 tons/year
Coil weight	23.5 tons
Strip width min./max.	600 – 1300 mm
Exit strip thickness min./max.	0.15 – 1.60 mm
Max. rolling speed	1400 mpm
Work rolls	380 - 425 mm
Backup rolls	1050 - 1200 mm
Mill motor	6000 kW x 1

### Contact us

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