

# ABB Coriolis mass flowmeter

ABB Coriolis mass flowmeter helps Zhejiang Huangma Chemical Industrial Group Co., Ltd., measure material inflow and outflow



浙江皇马化工集团以卓越品质、领先技术、优质服务、诚信经营、  
为客户提供高品质的特种产品。  
成为世界领先的表面活性剂制造商



### Brief introduction

Zhejiang Huangma Chemical Industrial Group Co., Ltd., established in 1986, is a key national hi-tech enterprise with a history of more than 20 years in the professional research and production of special surfactants and preparation agents. It is also one of the first creative pilot enterprises of Zhejiang province and the patent demonstration enterprise of Zhejiang province. It has 5 subsidiaries.

## Existing problems

The company has been established for a long time, so the used metering devices were old-fashioned and of low automation, the production process was influenced by many human factors, and the qualification rate of the final products was always low and unstable. The metering related to the materials and raw materials were originally carried out with weights, which wastes labor, materials and cost.



AG/CP102-EN 07.2012

## Solution

Zhejiang Huangma Chemical Industrial Group Co., Ltd. adopts the ABB mass flowmeter. By means of a dual elbow structure, stable vibration frequency and precise vibration measurement, the ABB mass flowmeter realizes online real-time measurement of materials, guarantees stability, and continuity of the measurement, and greatly improves the measurement's precision.

A production line underwent experimental modification first. Then, the production line with the ABB mass flowmeter was observed for 1 month, and the results proved that the device ran more stably, the qualification rate of the product was high, material metering was accurate, labor cost for control of all the equipment was reduced, laborers were liberated from many operations, and a great amount of cost was saved.

In the subsequent modification, a total of more than 70 ABB mass flowmeters were used, and the customer feedback was very good.

## Contact us

### ABB Limited

#### Process Automation

Oldends Lane, Stonehouse  
Gloucestershire, GL10 3TA  
UK

Tel: +44 (0)1453 826661

Fax: +44 (0)1453 829671

### ABB Inc.

#### Process Automation

125 E. County Line Road  
Warminster, PA 18974  
USA

Tel: +1 215 674 6000

Fax: +1 215 674 7183

measurement@us.abb.com

### ABB Engineering (Shanghai) Ltd.

#### Process Automation

No.5, Lane 369, Chuangye Road,  
Kangqiao Town, Nanhui District  
Shanghai, 201319, P.R. China

Tel: +86(0) 21 6105 6666

Fax: +86(0) 21 6105 6677

### ABB Automation Products GmbH

#### Process Automation

Dransfelder Str. 2  
37079 Goettingen  
Germany

Tel: +49 551 905-534

Fax: +49 551 905-555

[www.abb.com](http://www.abb.com)

#### Note

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© 2012 ABB

All rights reserved

3KDE010055R3001