

ABB Coriolis mass flowmeter

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



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.



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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.

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