

## **Introduction of EMS System and Realization of Comprehensive Data Control**

To improve production management expertise, Huazhong decided to introduce MES system to comprehensively improve delivery capacity and realize comprehensive data control by considering actual needs of clients and enterprises. Currently, the system has been commissioned in Huazhong (Chengdu) and Huazhong (Ningbo) and has realized an obvious improvement.

Huazhong (Chengdu) will control all information of all parts from the receipt of raw materials to the supply of finished products, including information of raw materials, process parameter for plastic injections, date of production and information of operators. While satisfying clients' demand, it enhanced the control over plastic injection crafts and reduced quality-related problems due to adjustment of parameters. At the same time, the system will generate a special 2-dimensional bar code in accordance with the information of incoming materials and inventory when the raw materials are received and will automatically arrange inventory and goods allocation. When ERP system issues production orders, the system will automatically notify warehouse keepers about which allocation of goods needs materials and scan the bar code for delivery of products, thus preventing mistakes in receiving materials and improving efficiency and accuracy of warehouse keepers.

Huazhong Plastics (Ningbo) will embed such five EMS system modules as equipment performance management, equipment and moulding maintenance and management, production management, quality management and materials management, thus realizing a traceable management of products. Therefore, the problems observed in daily equipment performance statistics and equipment maintenance will be settled, the managerial expertise will be improved continuously, the capacity of manufacturing and delivery will be improved and the procedure of production will be made more transparent.