

ABSTRACT

World Wide Brush is one of the most experienced manufacturers of houseware and brush products. The company has provided a number of high quality brushes for nearly 40 years. Nowadays China has an open market to export so that a lot of brushes from China have come to compete in the local market. Therefore, this project focuses on the Manufacturing Resource Planning for brush Factory to assist the company to have a competitive advantage by improving the efficiency and the effectiveness of its business with the computerized system.

The existing system is based in the manual and some computerized systems. Most data are stored on paper, while some parts of data are kept on the Microsoft Excel. Brush factory can not translate some data to information in the real. So company has to face general problems of manual system, which are error-prone and having a high maintenance cost.

The proposed system will be developed to replace the manual and some computerized system with Manufacturing Resource Planning on the Microsoft Excel. It helps managers rescheduling in real time, as the company had never done before. The adjusted optimal production schedule can eliminate all problems in production process, including inefficient production planning and scheduling systems, inefficient tracking inventory and product information, backlog goods and raw inventory, time consuming, redundancy of document, low security, inefficiency in providing budget for purchase of raw inventory and etc.