

Monthly Production Scheduling System for a Medium Sized Manufacturing Company

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Abstract

A monthly Production Scheduling(MPS) system for a small ceramic production process of flow shop is established. The MPS system determines production schedule and quantities of products considering demand forecasted, order, inventory status and production capacities.

The database system for MPS is constructed by PROGRESS relational database tool. It consists of input module and product information module for each product. A simulation is included to test effect of capacities in production process. Initial inventory is calculated including "work in process(WIP)" to set up a reasonable production plan.