

限制驅導式現場排程與管理系統於瓶頸迴流生產型態之應用(獲選學術論文佳作)

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摘要

Implementing the Drum-Buffer-Rope (DBR) management system effectively increases throughput, lowers WIP, shortens cycle time, and improves on-time-delivery performance. However, implementing DBR is difficult and complex in manufacturing environments with bottleneck reentrant flows. A DBR system for manufacturing environments with bottleneck reentrant flows is proposed. The functions and specifications of the DBR system are described detailed first. A prototype system is then provided to demonstrate the feasibility of the proposed DBR system. An eM-Plant simulation model is finally utilized to test the functions provided by this prototype system

關鍵字：Constraint-Based Master Production Schedule、Drum-Buffer-Rope、Buffer Management、Bottleneck reentrant flows.