改善瓶頸迴流生產型態之限制驅導節奏(DRUM)的推長效應研究

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摘要

The Drum-Buffer-Rope(DBR) methodology is not utilized so popularly in the bottleneck reentry environments, such as IC manufacturing plant or multiple layer PCB plant etc. One of the major reasons is that the complexity of bottleneck reentry operations will result that DRUM can be postponing effect.
In this research, a methodology for using dissimilar dispatching rules in the DBR for the bottleneck reentry environment will be proposed. In different load, different the number of bottleneck reentry, and different ratio of bottleneck work time to distance buffer, the simulation result shows that use the CR(L) rule is better than others.

關鍵字：Theory of Constraints(TOC), Drum-Buffer-Rope(DBR), Bottleneck Reentry, Postpone Effect, Dispatching Rules