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**BI-OBJECTIVE OPTIMIZATION FOR SUPPLY PLANNING
OF TWO-LEVEL ASSEMBLY SYSTEMS
UNDER UNCERTAINTY OF LEAD TIMES**

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December 2008

RESEARCH REPORT

2008-500-007



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Bi-objective optimization for supply planning of two-level assembly systems under uncertainty of lead times

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Abstract

A supply planning for two-level assembly systems under lead time uncertainties is considered. It is supposed that the demand for the finished product and its due date are known. It is assumed also that the component lead time at each level is a random discrete variable. The objective is to find the release dates for the components at level 2 in order to minimize the expected component holding costs and to maximize the customer service level for the finished product. A multi-objective approach is considered and numerical results are reported.



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