DUE DATE SCHEDULING MODELS IN MAKE TO ORDER FIRMS

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ABSTRACT

Scheduling problems are NP – Hard combinatorial optimization problems, since many algorithms have been developed which offers new promising insights for solving resource allocation problems. Most of the literatures with lead time and pricing decisions focus only on simple models dealing with single machines in job shop areas. These models cannot be used to make day to day operational decisions in any other industrial applications. Such decisions are required for survival of the firms in a highly competitive market. In this paper, we address the various algorithms quoted in the literature for daily operational decisions that a make to order firm faces with respect to quoting due date to the customers to an order about to be placed.

KEYWORDS: Due Date, Make to Order, Make to Service, Scheduling