



## Enterprise Resource Planning in Textiles

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### ABSTRACT

A survey on the application of enterprise resource planning (ERP) systems in the textile and apparel industry was conducted. The survey identifies software packages that are used and linkages to applications such as e-commerce. The barriers to system implementation and factors considered in selection of software are described.

KEYWORDS: Enterprise Resource Planning, Textiles, Apparel, e-commerce

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### Introduction

An exploratory survey of ERP systems in textile manufacturing was conducted in November 2001. The survey investigated the following issues:

- What functions are included in textile ERP systems?
- Who are the vendors of ERP systems used in Textiles?
- What are the main factors in selecting an ERP system?
- What are the barriers to implementing ERP systems?
- What functions are linked with textile ERP systems?
- Are companies using electronic commerce?

Enterprise resource planning is defined as

- 1) An accounting-oriented information system for identifying and planning the enterprise wide

resources needed to take, make, ship, and account for customer orders. An ERP system differs from the typical MRPII system in technical requirements such as a graphical user interface, relational database, use of fourth-generation language, and computer assisted software engineering tools in development, client/server architecture, and open-system portability.

- 2) More generally, a method for the effective planning and control of all resources needed to take, make, ship, and account for customer orders in a manufacturing, distribution, or service company. [1]