

ABSTRACT

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A Computer-Based Parts Handling System for Consolidated Appliances Limited

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The present system of handling of Parts and Components at the Trincity production facilities of Consolidated Appliances Limited has failed to keep pace with manufacturing changes which have occurred in recent years. The management of the Company is concerned about the number of product-defects occurring as a result of incorrect parts being used to build appliances and feel that an upgrading of the Parts Handling function within the Company may be necessary.

In this thesis, the present methods and procedures for making parts and components available to the Company's three (3) assembly lines are examined. Two alternative methods for Parts Handling and Defects Control are proposed and the Computer-Based alternative is selected as the superior option, and is developed further.

The proposed Computer Based Parts Handling System was tested using sample data and found to satisfy the Management of the Company.