Abstract

In this paper an overview on automated storage and retrieval system AS/RS is denoted. In industries AS/RS systems are the main task that designed for automated storage and retrieval of things in manufacturing where their application vary widely from simple storage and retrieval system for small parts to central systems where production, assembly, and manufacturing operations are concentrically located around them. The selection of the storage system depends upon the available space, weight of items to be stored, method of storage operation and another factors that take the important role in the design of the automated storage and retrieval systems. This paper will have all argument that needed to construct AS/RS system in a survey form which will gives us a highlight about the factors that consider the backbone to build the warehouses. The performance of AS/RS will be the result for interaction of many complex and stochastic subsystems. The differences among the surveyed approaches are discussed and the results are summarized.
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Index Terms

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Keywords

Multi-robot system, AS/RS, warehouses, workstation.