

A Hierarchical Cellular Manufacturing System

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Abstract

Group technology proved to be advantageous in manufacturing a variety of products which have something in common. Cellular manufacturing is one of the most common and popular methods in order to take advantage of group technology. Cellular manufacturing helps the manufacturer to avoid surplus costs by bringing order to the whole manufacturing process. Of particular interest, applying Cellular Manufacturing Systems (CMSs) increases the efficiency of the applied transportation system by designing an efficient working floor. Controlling the amount of material