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Cellular manufacturing-throughput reduction in a pharma company

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Abstract

Continuous improvement in pharmaceutical industry is paramount in order to improve the product quality, increase productivity and reduce the cost of drug product. Lean manufacturing has been successfully implemented in various industry including pharmaceutical industry with an objective to deliver customer satisfaction and improve profitability. This paper discusses that focus on eliminating the waste and change in manufacturing layout from conventional type to unicellular type could reduce the total throughput time of drug product batch from 17 days to less than 2 days. This change brings significant benefits to the manufacturer in terms of improved quality, reduction in manpower, reduced manufacturing space, increased production efficiency, enhanced ownership of employee and increased profits.

Keywords: Lean, pharmaceuticals, cellular manufacturing, through put time