

Abstract Details

Title: Lean Manufacturing Philosophy Implementation in Industry

Authors: Pinki and Deepak

Abstract: Lean Manufacturing is a systematic approach to identifying and eliminating waste through continuous improvement. Lean is about doing more with less: Less time, inventory, space, people, and money. Lean is about speed and getting it right the first time. Lean production is aimed at the elimination of waste in every area of production including customer relations, product design, supplier networks and factory management. Its goal is to incorporate less human effort, less inventory, less time to develop products, and less space to become highly responsive to customer demand while producing top quality products in the most efficient and economical manner possible. Lean Manufacturing uses less of everything compared with mass production half the human effort in the factory, half the manufacturing floor space, half the investment in tools, half the engineering hours to develop a new product in half the time. Also it requires keeping far less than half the needed inventory on site results in, fewer defects .This is accomplished through Teamwork, Communication, and Efficient Use of Resources & Continuous Improvement. Lean Thinking methods are inclusive of all employees.

Keywords: Lean Manufacturing, Industrial Applications, Gear Planning, Rack Generation.