Project Title:

IMPROVEMENT IN YARN QUALITY WITH THE HELP OF ROOT CAUSE ANALYSIS

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ABSTRACT

Spinning is the process of changing of fiber into yarn. The spinning mills includes many processes like cotton mixing, carding, combing, drawing, winding. Winding is the final process in spinning mill where the yarn of small quantity is wound into a big package known as cones. The important aspect in all departments is to remove basic defects to improve yarn quality. In blow room there is improper mixing, in spindles there is speed variation issue, in moisture room there is insufficient supply, and in mixing there is no defined method. Root cause analysis is lean manufacturing tool by using this we remove all these errors. By doing this the proper mixing improves, moisture standard maintained and by proper opening yarn quality can be improved. The drawback of basic errors that we find can reduce the fiber length and it reduces the operating efficiency of the whole process. This leads to reduction in quality of yarn. The aim of the proposed work is to implement the root cause analysis and thus the quality of yarn improved.

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Dedicated To

The immeasurable Love

And

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Of

Our Parents

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