

vii. Inline quality inspection at regular interval

Traffic light system is the most effective inspection tool to reduce defect generation at source. Less number of defective seam is made less the time will be lost in repairing it. Inline checking system will alert operators in concentrating their job. It also helps in other way. May be at the start of the style an operator not understood the specification, an interaction with quality inspector will make an operator clear about the quality requirement. Poorly managed factory loses productivity up to 10% due to repair and reject as mentioned by Dr. Bheda in his article “Productivity in Apparel Manufacturing”.

viii. Operator motivation

Operator’s will is the most crucial part in productivity improvement. If they are motivated, they will put enough efforts on the work. Employee motivation generally depends on various factors like work culture, HR policies, bonus on extra effort or achieving target. In automotive manufacturing company, operator’s motivation come through extra money. Operator motivation can be improve by sharing certain percentage of you profit made from operator’s extra effort. We need to understand that employees come for work in your organization for money. Initially you may think that an incentive scheme may reduce your profit. But in real it works in opposite direction, provided that incentive system is fair for the workers and has been implemented intelligently.

ix. ARENA Professional Edition

ARENA professional simulation software is most effective when analysing complex, medium to large scale of projects involving highly sensitive changes related to supply chain, manufacturing, processes, logistic, distribution , warehouse and service system. Moreover, ARENA professional version is most effective when analysing complex simulation. It can also be used to create customized modelling product that was focused on specific applications or industries.

x. Improve the conveyor speed

In the assembly line, the torque in the conveyor’s motor should be improve using motor with high torque speed of motor such as Bosch Warmgear Motor which contain higher torque and speed. Unfortunately, there were a lot of other motor that could use in the automotive industry. Hence the manufacturing company should choose the suitable torque for their conveyor’s motor.

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