Abstract

The studied electronic company would like to increase the capacity to meet the customer demand and to compete with the competitor due to an electronic business was booming during 5 years ago. This company would like to invest more money in building more factories in order to increase the capacity. Later on, the electronic growth was slowdown. This effect causes the company to change from the policy of investing more money to the policy of increasing the productivity by improving the company efficiency. The objective of this research is to study how to increase the productivity of the back end area using the same resource. The back end area is the testing section after the hard disk drive assembly come out from the clean room. This testing section is the testing for pass/fail product before packing and sending them to customer. The main equipments that use in testing are A Tester and B Tester. The efficiency improvement done by this research is to reduce the redundant testing job, replace the A Tester with B Tester in some testing procedure and reroute the process flow. The replacement of A Tester by B Tester makes the overall waiting job decrease and the overall utilization and the yield increase. The results show that the company can increase the capacity to meet the customer demand by improving its efficiency and also its yield.