

ABSTRACT

This project concentrates on how to improve quality of Flexible Printed Circuit (FPC) by using principle of continuous improvement. For effectiveness and efficiency, continuous improvement and seven tools technique are fundamental to finding out the defect item, the root causes are cause of problem for reducing the percentage of final reject and optimizing on benefit.

Because of current economic crisis, Thai economy has encountered such crisis. There are many manufacturers in Thailand that have shut down because they can not stand for loss in manufacturing. So MKT-042S-0A which is one of many Flexible Printed Circuit is the heart of hard disk drivers to work completely of hard disk drivers. Nowadays, quality of FPC is not accepted by our customer. So quality improvement by using principle of continuous improvement help us to be accepted by our customer and to get more benefit also.

This project applies seven tools technique and principle of continuous improvement to solve the problem and increase quality. We reduce the percentage of final reject and improve quality of this product by finding out the root cause and implementing the possible solutions, monitoring quality continuously.

After improving quality of MKT-042S-0A continuously, the final reject decrease from 1.23% to 0.92% making the company gain more benefit.