

ABSTRACT

Allegro MicroSystems Philippines, Inc is a company known in producing Semiconductor products internationally and domestically. AMPI strongly believes that the maintenance of quality and productivity is the most important factor in their field, but in spite of this, there are still some things that need improvements. The company is still experiencing higher percentage of rejection rate due to no alarm device for time monitoring in the burn in process, Insufficient Maintenance of the Singulation Test Machine which leads to Singulation machine test breakdown and lastly the Poor Anti-Static Material used in Manual Pre-Magnetization Test. This study aims to formulate solutions and to eliminate the outcome of defects by meeting the allowable 2.00% reject rate and implementing alternative courses of action that may help improve the productivity of the said company. These includes: Providing an alarm device for time monitoring, implementing monthly preventive maintenance in the Singulation Test Machine and the use of nitrile hand gloves as an alternative for finger cots in the Manual Pre-Magnetization Test implemented in the company. Indeed, these are some of the factors that contribute to the 7.43% reject rate that the company is experiencing from the months of January 2014 to June 2014. It affects the company through loss in profit and opportunity, and most of all, customers' dissatisfaction.

