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Industrial Research Project Title	An Improvement in Scrap Rate from Miniature Precision Shaft Cutting Process
Industrial Research Project Credits	6
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Abstract

The objective of this industrial research are improve the production technic was to reducing the scrap rate in Cutting process of production process miniature precision shaft. Accorded to study Cutting process, It was found that the cause of scrap rate depended from machine adjustment to new model. So that considered to study and research with machine set-up to new model process for solved this problem. From studied it was found that machine set-up divided are 3 part as Primary machine set-up, Inspection, and machine adjustment. Which the main part of cause depended with machine adjustment, in adjustment the bend and the length step of work pieces.

From this problem done to improve by built the Materials balancer to solved bend adjustment and done to improved Material stop set by made the scale to support the length adjustment method and improve work study, implement, area to work shop by apply the technic of industrial engineering way to solved this problem. From this improvement it could to reduced the scrap rate of Cutting department from 4.94 as 1.18 and result to the factory scrap rate from 6.77 as 4.00 and among October to December after executing the new method using to cutting process.