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KEY WORD: MTM - 2 / HGA

ASA KIMHACHANDRA : AN APPLICATION OF THE MTM - 2 SYSTEM TO THE PRODUCTION OF READ AND WRITE HEADS OF HARD DISC DRIVES. THESIS ADVISOR : ASSO. PROF. CHAUM MALILA, 137 pp. ISBN 974-635-064-1

The thesis concerns with the application of MTM - 2 system to the production of Read and Write Heads of Hard Disc Drives, which is manual assembly line, in order to determine standard time by using MTM - 2 method instead of Stop-watch method and also to minimize waste of production capacity.

The objectives of this study are to reducing variation of standard time and increasing target of production capacity from current level to the maximum level which is capable to do.

The study and motions analysis had been done in 3 selected HGA models in the operations which were manual work by using a video camera. The standard times analyzed by MTM - 2 method were tested at 95% confidence level and +/- 5% error, and then compared to the standard time by Stop-watch method under the same working conditions and the same working environment.

The result of study resulted only single value of standard times times with no variations as compared to the standard times by Stop-watch method. The observed standard times were acceptable in term of accuracy and practicability for real production. Moreover, man power had been rearranged to fit and appropriate for various level of productions capacity and also level of production capacity of the selected cells could be increased from current level to new level under specified conditions.

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