

48405314 : MAJOR : ENGINEERING MANAGEMENT

KEY WORD : TRADITIONAL ACCOUNTING COST / ACTIVITY-BASED COST

CHATCHAWAN WIJARN : A COMPARISON OF ACCOUNTING AND ACTIVITY  
BASED COSTING OF SPEAKER MANUFACTURING LINE.THESIS ADVISOR : SITTICHAJ  
SAELEM, Ph.D. 131 pp.

This research was aimed to compare the product costing between traditional cost accounting and activity-based costing of the speaker production line of the case study factory. The research was started by applying the activity-based costing in order to determine each activity cost relating to the production cost, then analyzed the engineering value level of each activity, and finally, compared the total cost in term of the traditional accounting cost and the activity-based cost. After analyzing and obtaining the engineering value level of each activity, the production processes were modified by applying the work design technique and the line balancing technique in order to minimize time loss and balance work load. Questionnaire surveying also applied in order to determine the operation satisfaction. Finally, engineering value level of each activity was analyzed and the total cost in term of traditional accounting cost and the activity-based cost were again compared.

The results showed that it was different between the two systems, either before or after the production process improvement. The manufacturing cost of 15 inches speaker, which was the highest production of this production line, the accounting cost was 765.87 Bahts and the activity-based cost was 728.84 Bahts.

After the production process improvement, there was an improvement in production cost. The new accounting cost was 745.42 Bahts and the activity-based cost was 700.68 Bahts. In other sizes of speakers, the costs were also tending to change in the same direction.

The results also showed that these costs were minor to material cost. According to each activity-based costing analysis, it can be seen that some activities had value-added while some activities did not. This benefited the administrator in making decision efficiently on reducing or eliminating non-value-added activities for production process.

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