De La Salle University – Dasmariñas

IMPROVEMENT ON THE MOTION SEQUENCE DESIGN BY ESTABLISHING MOTION SEQUENCE AND REDESIGNING WORSTATION

By

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ABSTRACT

Name of Institution: De La Salle University – Dasmarinas

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Title: Improvement on the Motion Sequence Design by Establishing Motion Sequence and Redesigning Workstation

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OBJECTIVES OF THE STUDY

A. General

To determine the appropriate method that would improve the motion sequence design performed by the worker

B. Specific

1. To eliminate improper motion sequences or procedures performed by the worker
2. To develop a less fatiguing and more productive workstation to the operator in order to perform work to a minimum time and shortened distances
3. To minimize fatigue through easier and simpler method of production for the worker

SCOPE AND COVERAGE

This study would only be concerned with the motion sequences or flow of processes performed by the worker in the cutting area, the time duration spent for each step or activity from the preparation of the materials, cutting, and up to the packaging of the order requirement. It is only limited in the cutting of pink foams with specifications of thickness, length, width, (6mm x 510mm x 127mm respectively) particularly for Allkey client.

METHODOLOGY

Gathering necessary data and information makes the study possible. Interview was conducted to the assigned worker and was directly observed based on the actual performance of the worker on motion sequences of cutting processes performed.

MAJOR FINDINGS

The assigned worker performs improper motion sequences or procedures due to existing workstation design and unimproved existing method.

CONCLUSION

Improper motion sequence method causes longer time duration spent for the cutting processes and maximized distances traveled.

RECOMMENDATION

Both improving existing method by establishing improved motion sequence and redesigning or rearranging the existing workstation design of Allkey client in the cutting area, existing method can be improved.