

## ABSTRACT

According to the statistical bulletins released by the Ministry of Labor and Employment Promotion, Manufacturing Industries are considered high risk, where the highest number of accidents occur, including physical efforts and false movements.

The present research work was carried out in an industry dedicated to the production of plastic articles for the home and its objectives were the evaluation of occupational risks due to exposure to load handling, forced postures and environmental conditions. Management alternatives to control these risks were also evaluated and an action plan was presented.

The type of research is applied, the methodology that was used included the Study Unit, the Population, the size and selection of the Sample. The field work consisted of the recognition and occupational analysis, evaluation of exposure to disergonomic risks and environmental conditions at work.

The results obtained show the risk levels of exposure to manual handling of loads, forced postures and occupational environmental conditions such as noise, lighting and thermal stress. The results show that Ergonomics was not considered when the installation was built and when it began to operate.

The results obtained facilitate diagnoses, ratify the hypotheses, and also allow the implementation of an action plan in order to apply Ergonomics in the Occupational Health and Safety Management System. The aforementioned will allow minimizing occupational environmental risks in jobs.