**ABSTRACT**

Lean Manufacturing is a structured program whose objective is to maximize the effectiveness of the company. It is based on the practices and methods of KAIZEN / LEAN applied by the world’s best companies. The experiences from the Author led us to the conclusion that the Lean Manufacturing is based, among others, on the following concepts:

– Total Productive Maintenance TPM

– Single Minute Exchange Die SMED

The Lean Manufacturing focuses on the systematic pursuit and elimination of waste and losses. The losses identified are analyzed, evaluated in adequate manner to the attribute processes. The result of the analysis determines where and how to intervene.

In the paper has been presented the bases of Lean Manufacturing. The results of the implementation of Lean Manufacturing in different companies have been described. The main issues of Lean Manufacturing implementation have been characterized.