

## Abstract Details

**Title:** Case study to develop a standard operating procedure for laser machines for metal cutting

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**Abstract :** In metal cutting industry, laser machines are very prominent now to cut the metal sheets into desired product on which further processing will take place. Not only cutting of metals, but efficiency, effectiveness and reduced wastage are also important factors. In metal cutting industries, generally due to lack of proper standard operating procedure machine breakdown hours increase and also wastage of material increases which reduces the productivity and hence results in decreased profit and increased cost to a company. so it is desirable to make a proper S O P to operate the laser machine and also give training to operators about that standard operating procedures and direct them to follow it. This will certainly result in improvements in terms of reduced wastage and reduced machine breakdown.

**Key words-** SOP-standard operating procedure, breakdown hours