

DESIGN, ANALYSIS, STUDY AND FABRICATION OF CONCEPT OF MODULAR FIXTURE

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2009-2010

ABSTRACT

Modular fixtures, in general are used in mass production to achieve desired accuracy, higher production rates and interchangeability. In today's world the time required to manufacture a product decides the productivity of the firm. Our project mainly focuses on reducing the non-machining time of the operation, and in turn waxes the productivity.

The main objective of the project involves designing and fabricating of Modular Fixture which accommodates various components of different Part Families which enables us to perform multiple machining operations. The project results in

- ✓ Increased productivity
- ✓ Reduced setup time
- ✓ Reduced wastage of floor space for storing fixtures
- ✓ Reduced unnecessary movements
- ✓ Reduced throughput time
- ✓ Reduced changeover time and delay