

EXPERIMENT NO 6

Objective: Machining a block on shaper machine.

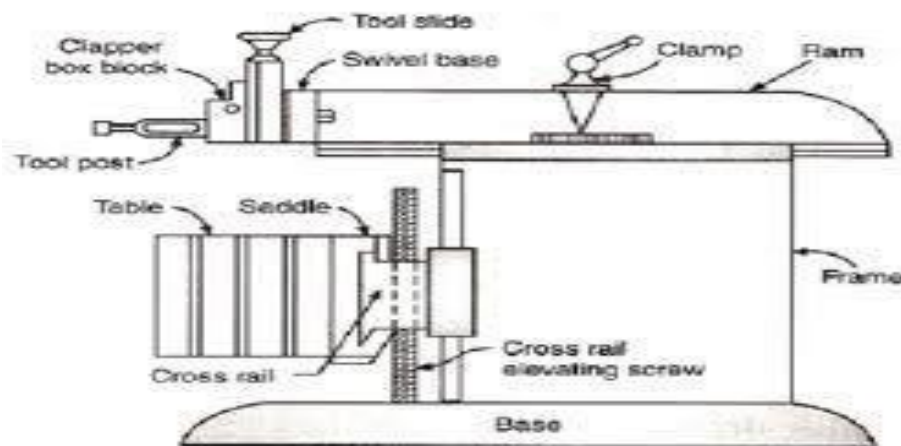
APPARATUS: Punching machine, Steel rule, Hammer, Shaper tool, Try Square

THEORY: The shaper is a reciprocating type of machine tool intended primarily to produce flat surfaces. These surfaces may be horizontal, vertical, or inclined.

The principal parts of a standard shaper are:

Base, Column, Cross rail, Saddle, Table, Ram, Tool head

PROCEDURE: (Square from round rod using Shaper)



1. The job was checked to the given dimensions.
2. The square was scribed in the outer circle of diameter of 50mm and Punching was done.
3. The job was attached in the vice of a shaper
4. The job was checked for perpendicular dimension.
5. Then the square from round was obtained in the shaper
6. The work piece was removed, and burns are removed with accuracy was checked.

Result: Thus, the square from round was performed on the given dimension in a shaper machine with the required dimensions.