

## Experiment No 5

**Objective:** Finishing of a surface on surface –grinding machine.

**APPARATUS:**

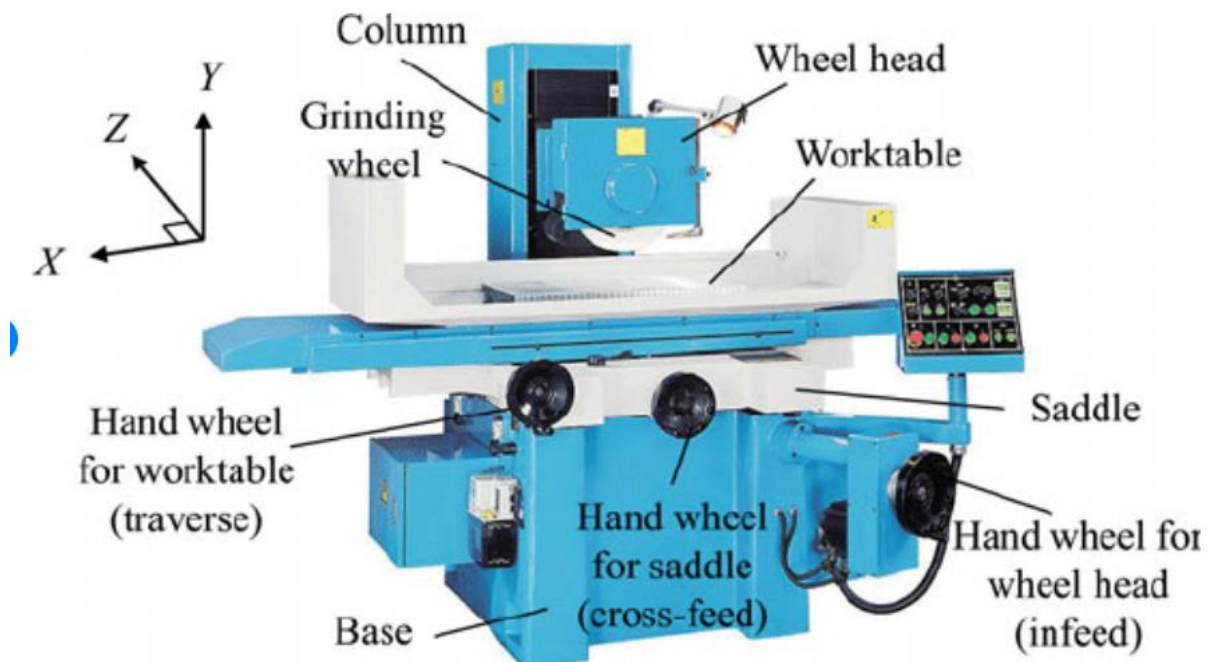
Steel rule Try square, Vernier calliper

**THEORY:** Surface grinding machines are useful to produce and finish flat and plane surface.

**Types of grinding machines:** Transverse grinding, Plunger grinding

**PROCEDURE:** (take square section)

- 1.The given work piece is taken and checked for its dimensions.
2. The job is placed on the grinding magnet at opened position.
3. Then each face is grinded to the required accuracy by constant speed.
4. The job is removed from the required accuracy. It is checked by using vernier calliper and squareness is checked by using try square.



Horizontal spindle surface grinding machine with reciprocating table (Courtesy: Prayosha Enterprise)

**Result:** Thus the square section is grinded to the required accuracy in grinding machine.