Precision Machining Laboratory

The following machines are available in this laboratory

1. CNC Machining Centre (MCV-600)
   **Main Features:**
   - Controller Fanuc Series Oi-MC
   - Spindle rotation speed ranges from 120 to 8000 rpm
   - Tool storage capacity is 20
   - It is used to manufacture the mould and dies

2. CNC Turning Centre (TURN-345)
   **Main Features:**
   - Controller GE FANUC Series 21
   - Maximum Spindle speed is 6000rpm
   - Turret tool holding capacity is 12
   - Resolution of C-axis is 0.01 degree
3. CNC Jig Grinder (JG510)
Main Features:
- Controller FANUC 18i-MB
- Total numbers of controlled axes are 6
- It is mainly used to grind the holes and irregular profiles internally and externally
- The grinding accuracy is up to 1/10 of micron

4. CNC Wire Cut EDM (G43S)
Main Features:
- Brass wire is used to cut the different profiles
- The maximum 200mm thick plate can be cut
- CHMER Controller is used to control the functions