

PHYSICAL METALLURGY LABORATORY



Laboratory	: Physical Metallurgy Laboratory
Laboratory In-charge	: Mr.K.Raju
Technical supporting staff	: Mr.P.Karthi
Area of the laboratory	: 13*9.8 Sq.M

Major Equipments:

- Metallurgical microscope with computer image capturing system
- Binocular metallurgical microscope
- Double disc polishing machine
- Single disc polishing machine
- Table top belt grinding machine
- Hand polishing stand
- Heat treatment furnace (4' x 4' x 10)
- Computer imaging system

Major Experiments:

- Study of metallurgical microscope and sample preparation for metallographic examination.
- Microscopic examinations of ferrous alloys.
- Microscopic examinations of non - ferrous alloy.
- Microscopic examinations of welded samples.
- Hardness measurement on heat treated samples.
- Hardenability test - jomny test.
- Quantitative metallography of specimen.