

## METALLURGY LAB

### PHOTO OF THE EQUIPEMENT



### SPECIFICATION

#### **Metallurgical microscopes 6 No.S**

1. Each magnification starts with 50X to 450X.
2. 45° inclination of eyepiece
3. 360° adjustable metal stage.
4. Adjustable halogen lamp power.



#### **Specimen mounting press**

1. Adjustable digital timer.
2. Stainless steel metal body.
3. Hydraulic hand operated piston.
4. Operates at load of 3 tons



### muffle furnace

furnace range from room temperature to 1000°C.  
ceramic material walls



### Disk polishing machine.

1. Adjustable knob for disk rotation, With water supply.
2. Three phase power supply



**Jomney end quenching test machine**

1. 15 lts capacity/
2. Water jet at bottom
3. 1/4<sup>th</sup> HP Motor capacity to fill the overhead tank.
4. Stand holder



**Metal stand**

Metal stand for emery papers to polish the specimens. Each stand have 4 stages to place different grade emery papers.



### **Metallurgical digital microscopes**

1. Each magnification starts with 100X to 1600X.
2. 45° inclination of eyepiece
3. 360° adjustable metal stage.
4. Adjustable halogen lamp power.
5. Material image analysis software.



### **Rockwell hardness test machine**

1. Max attain lode 250Kgf
2. Different indenters
3. Brinell hardness test
4. Rockwell hardness test

