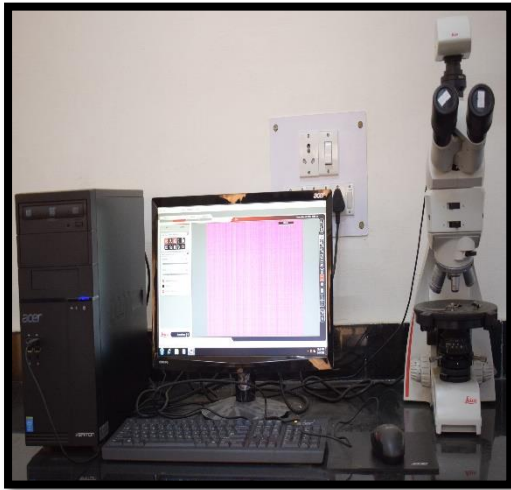


# POLORISED LIGHT MICROSCOPE



**Year of Purchase** : 2016

**Cost** :

**Experiment** : All polarizing examination: Petrography, Mineralogy, Structure Characterization, Asbestos analysis, Cola analysis (Vinitite reflection) and examination of liquid crystals.

## Descriptions

Polarized light is a contrast-enhancing technique that improves the quality of the image obtained with birefringent materials when compared to other techniques such as darkfield and brightfield illumination, differential interference contrast, phase contrast, Hoffman modulation contrast, and fluorescence. Polarized light microscopes have a high degree of sensitivity and can be utilized for both quantitative and qualitative studies targeted at a wide range of anisotropic specimens. Qualitative polarizing microscopy is very popular in practice, with numerous volumes dedicated to the subject. In contrast, the quantitative aspects of polarized light microscopy, which is primarily employed in crystallography, represent a far more difficult subject that is usually restricted to geologists, mineralogists, and chemists. However, steady advances made over the past few years have enabled biologists to study the birefringent character of many anisotropic sub-cellular assemblies.

The leica Polarization microscope is designed for all polarizing examination: Petrography, Mineralogy, Structure Characterization, Asbestos analysis, Cola analysis (Vinitite reflection) and examination of liquid crystals. Leica's Polarizing microscopes are ideal for a wide range of applications.

With versatile instrument options leica polarizing microscopes are also an ideal match for industrial analysis and quality control such as analyzing glass, plastics and polymers, textile and fiber or Testing display in the semiconductor industry. Leica microscopes always provide the most accurate and reliable results.

## **The microscope for teaching**

- Conoscopy module
- Constant Color Temperature by LED Technology
- Sturdy, Compact design with handle and cord wrap allows easy carrying , easy lifting.
- Polarizer with notch markings.
- Position objective turret, centerable.
- Accurate angle measurement with Vernier on the rotating stage.

## **Camera and Software modules**

To seamlessly interface with the new leica polarizing microscope, Leica Microsystems offer a comprehensive camera and software solution for fast, convenient documentation of your work. You can expend your system at any time using leica camera and application specific software modules. All future software and hardware components from leica will operate on a uniform interface.