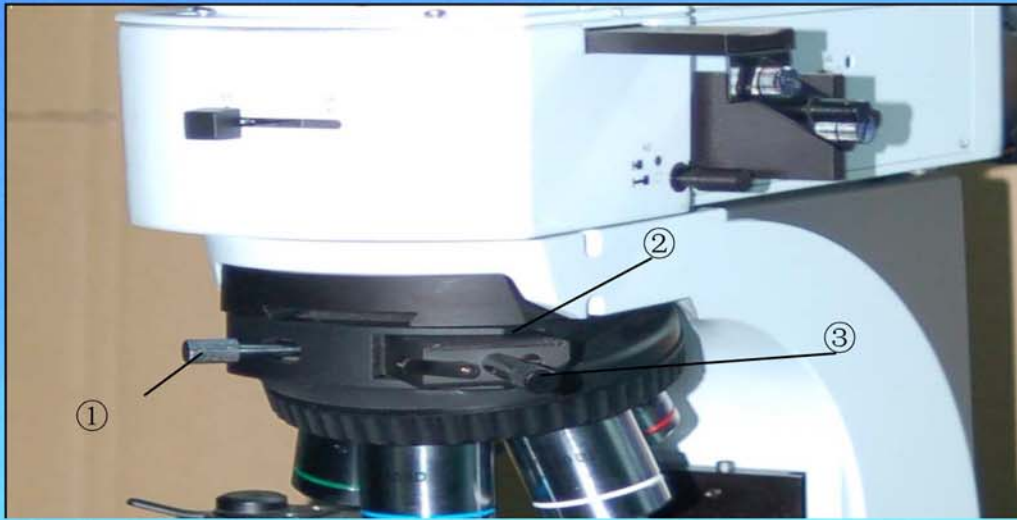




DIFFERENCE INTERFERENCE CONTRAST OBSERVATION (DIC) FOR LB-616



1. Setting the Nomarski slider

Loosen the mounting knob ① on the front of the DIC revolving nosepiece, insert the DIC slider ② and clamp by tightening the mounting knob.

2. Observation method

- 2.1 Place the specimen on the stage and adjust the focus by moving the stage up or down.
- 2.2 Adjust the field iris diaphragm so that its image circumscribes in the field of view.
- 2.3 The contrast may sometimes be enhanced by closing the aperture iris diaphragm

3. Adjust the DIC attachment

- 3.1 Adjust the background contrast by turning the slider movement knob ③ on the DIC prism as described below.
- 3.2 When the slider movement knob on the DIC prism is turned, the interference color at the background varies continuously from the gray sensitive color to magenta sensitive color (from -100 to 600 nm). Set the interference color which can provide best contrast with respect to the specimen.

- Selecting a dark background color enables dark field-type observation.
 - Selecting a gray background color enables 3D-looking observation with high contrast thanks to the highest sensibility of the gray sensitive color.
 - Selecting a magenta sensitive color allows even small phase variation to be observed as a change in color.
- * Since the DIC observation has a high detection sensitivity, take care against contamination on the specimen surface.