

Abstract:**SYSTEM AND METHOD FOR INSPECTION OF WET OPHTHALMIC LENS**

5 The present invention relates to an inspection system and more particularly to a system and method for inspection of wet ophthalmic lens, preferably in an automated lens manufacturing line. The inspection system provides for capturing multiple images of an ophthalmic lens using multiple cameras, each with a customized optical unit which may use wavelength filters, and the ophthalmic lens illuminated by multiple lighting modules
10 each configured for a different wavelength, or a different polarization and triggered to strobe the illumination at the same instance or at different instances in the time domain. Suitable filters used in the optical module for each camera ensures appropriate images at different illuminating wavelength, especially when all the illuminations are strobed at the same time. Images captured and inspected by this configuration aids in
15 improvement in method of inspection with enhanced degree of reliability and quality.

Figure 1