

NIQ for high-end inspection microscope (RP02211/CEQPT)

A high-end microscope is required, with the following specifications including:

1. 150mm stage shall be provided to accommodate sample holders / samples
2. Built-in vertical illuminator, 12V 100W long life halogen bulbs reflected light illuminator.
3. Bright field, Dark field, polarized light & Differential interference contrast with easy change over from one mode to another.
4. Total Magnification from 12.5X to 1000 X using a set of 1.25X, 2.5X, 5X, 10X, 20X, 50X & 100X Dry parfocal semi-apochromatic objectives. Objectives 50X and 100X shall have a working distance of 1mm to be mounted on the revolving nosepiece.
5. Optical System should incorporate universal infinity system for infinity correction. So that no change of magnification occurs when the distance between tube lens & object is changed, total magnification shall remain constant even when prism/ slider are inserted between object & tube lens, eliminating comma aberration.
6. Optical System should provide for wavefront aberration should provide natural colour reproduction.
7. The system should comply SEMI S2/S8 standards.
8. The frame & 6 inch stage are to be coated with anti static treatment to prevent static build up.
9. 2 stage focusing mechanism with co-axial control knob. High sensitive focusing knob in 1 μ m increment, focusing stroke 25 mm.
10. Suitable C-Mount adaptor so that image seen through the eye piece
11. 5 MP CCD the micro imaging digital camera 2448 x 1920 pixel resolution.
12. Interface: Camera Head: IEEE1394b (9 pin) with PCI slot.
13. Exposure time: Auto: 2-1/20,000 s.
14. Progressive scanning method.

General Terms and conditions:

1. Vendors are requested to send their quotes (technical specs and prices in separate sealed envelopes, both placed in a sealed envelope) to the office of Prof. S. K. Koul, Rm. III-319, CARE, IIT Delhi-110016, before 5 PM, April 15, 2013.
2. Please ensure that the technical bid includes terms of payment (but not prices). Payment after delivery is preferred, but L/C can be arranged.
3. Give FOB Price.
4. Agents (including Indian branches of foreign manufacturer) have to include currently valid 'authorized agent' certificate from original manufacturer.
5. Quote should be valid for at least 90 days.
6. IIT Delhi reserves the right to accept or reject any/bill of the quotations.