

Indian Institute of Technology Kanpur
Department of Materials Science & Engineering



Enquiry No: IITK/MSE/SS/2013-14/0001

Enquiry date: 03/09/2013

Last Date: 13/09/2013

Enquiry for Dimple Grinder

Quotations are invited for purchase of a Dimple Grinder for Transmission Electron Microscope (TEM) sample preparation for our laboratory scale experimentation. Offered product should be taken into account the specifications given below.

Specifications:-

1.	Dimple Grinder with Autoterminator for TEM sample preparation.
2.	Sample Size: Suitable for 3 mm diameter sample
3.	Dimpling Process Specifications Dimpling Depth down to 10 micron or less. Automatic termination of the process. Both Digital & Analog Micrometer to indicate set dimple depth & actual progress of dimple depth should present on the equipment.
4.	Sample Monitoring During Process Stereo Microscope is required for better alignment of the sample on the sample table. Hence the dimple grinder should be equipped with a Stereo Microscope
5.	Consumables Different Material grinding polishing compounds must be offered as additional items.
6.	Additional Consumables:- Phosphor bronze (PB) Grinding wheel, spherical, 15mm dia, 2mm wide. Stainless steel (SS) Grinding wheel, spherical, 15mm dia, 2mm wide. Polishing wheel for 15mm @ [standard grinding wheel] 15mm dia. Felt polishing ring for 15mm polishing wheels Diamond polishing compound (2-4 μm). CBN 0-2 μm polishing compound. CBN 4-6 μm polishing compound. Alumina Suspension 0.05 urn oz.

Terms & Conditions:

1. The validity of quotations should be of minimum 60 days. The payment will be as per IIT Kanpur norms. The quotation should reach the following address latest by September 13, 2013.
2. Warranty should be for 3 years preferably (minimum one year).
3. The service charge for installation and demonstrations should be included in the cost.
4. Delivery terms can be limited to 3 months.
5. Prices should be on CIF and FOB separately (if imported).
6. An undertaking that the vendor will supply all the spares and services for the equipment for at least 5 years from the date of commissioning.
7. The prospective supplier should have a good experience of manufacturing and installing similar units in recognized laboratories, universities and companies.
8. The supplier should include in the technical bid, a list of various personnel to whom the similar unit has been supplied along with the personnel's affiliation, address and contact numbers.
9. In addition, at least one letter of "satisfactory performance" of the similar unit should be obtained from one of the clients from either a national laboratory or a government institution (e.g. to list a few are IISc, IIT, NCL, NML etc.). This letter from the client should clearly mention that the unit has been installed since when and whether it has been performing satisfactorily.

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