

Department of Materials Science and Engineering
Indian Institute of Technology, Kanpur

Call for quotation of Universal Testing Machine

Enquiry Number: IITK/MET/568

Enquiry date: 21st Aug 2013

Closing date: 4th September 2013

We are interested in the purchase of Universal Testing Machine (UTM) with single footprint that is capable to handle cyclic loading of metallic materials with flat specimen geometry. The desired specifications of the equipment are given below:

1. Capacity: minimum 15kN
2. Servo-hydraulic UTM is best suited. Compact, easy to handle mobile unit with minimum weight required. System should be easily installed with no site preparations required and system to be running on a single phase supply
3. Ability to carry out static as well as cyclic tests. All tests should comply by ASTM geometry.
5. Suitable extensometer for strain measurement
5. Ability to carry out tests at constant cross head velocity, strain rate and load
6. Software to handle test parameters like velocity, strain rate, strain and load
7. On-site training and minimum 1 year warranty
8. There should be scope for up-gradation in the future to include fracture experiments

Eligibility criteria: Vendors should have prior experience in supplying servo-hydraulic fatigue test systems and it is mandatory to submit at least two references (either PO/reference letters) of such systems being supplied in the last three years.

Interested vendors are encouraged to submit sealed quotations with technical specifications in the name of IIT Kanpur. The quotations should reach Dr. Nilesh Prakash Gurao, Department of Materials Science and Engineering, IIT Kanpur, Kanpur-208016, UP, India by 4th September 2013.

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