



Indian Institute of Technology Kanpur

Samtel Centre for Display Technologies

Enquiry number: SCDT/FlexE/2015-16/29

Date: 21/01/2016

Quotations from prospective vendors are invited by Samtel Center for Display Technologies, IIT Kanpur for Rheometer.

Note: **The technical and financial bid should be submitted together in separately sealed envelopes.**

We are looking for a **Programmable Spin Coater**. The **Spin Coater** must have following minimum technical specifications.

Technical specifications for Spin Coater:

| Sl. No | Specifications | Company specifications and model number of system | Complies/Does not comply/Not applicable |
|--------|---|---|---|
| 1 | Controller should be Microprocessor controlled having Truly Unique Interactive Process to Control (NOT a cheap, limited-capability PLC). Digital Process Controller — easy to program without a manual with many advanced capabilities. | | |
| 2 | System Spin Speed should be: 100 - 10,000 RPM or better | | |
| 3 | The system Speed Accuracy should be comply with < 1% or better error across the full scale | | |
| 4 | Acceleration/ Deceleration should be up to 100 - 10000 RPM/sec or better | | |
| | The system should have Step duration of 1-9000 sec or more with increment of 1 sec or less | | |
| 5 | Programmability of system should have Preset editable programs features. | | |
| 6 | System includes Multi-steps; For each step, time, speed and acceleration should be programmable | | |
| 7 | Pumping speed should be 20 ltr/min or better having Oil free compatible Vacuum pump features. | | |
| 8 | System should have Maximum vacuum up to -730 Torr | | |

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|----|--|--|--|
| 9 | System should be Oil free and capable of holding wafers at all desired speeds with vacuum interlock facility | | |
| 10 | Vacuum Chuck Suitable for glass Substrates (about 2 mm thick) and other substrates of dimensions - 15x10 mm or bigger substrate | | |
| 11 | It should have Heating facility for substrate upto about 70°C | | |
| 12 | System have LCD display of real time Display | | |
| 13 | System include RPM, time and program Status features having RPM vs Time graph display on LCD console. | | |
| 14 | Working chamber Should be coated with non-corrosive material (with all the benefits of PTFE in terms of chemical resistance). | | |
| 15 | System must have Integrated Lid Protection Switch with On/Off Indicator features. | | |
| 16 | System should have features/options like Integrated Digital Magnetic Lid Inter-lock, Integrated Working Chamber Illumination Facility. | | |
| 17 | It should have spill drainage facility, In-situ sample dispensing port. | | |
| 18 | It should have clear description of Power Supply as per Indian standards (240 VAC, 47/63 Hz, ~300 Watts) and Dimensions for the machine. | | |
| 19 | Systems contains Safety features like Vacuum Interlock, Power Failure & Overprotection. | | |
| 12 | It must have Accessories like Auto liquid dispenser, Micro syringe, all plastic pipes required to run the system. | | |

Terms and Conditions:

1. Supplier/Vendors should submit technical and financial bids together in separately sealed envelopes.
2. Supplier who has supplied at least 5-6 similar **Spin Coater** in the national and international institutions in last two years will be preferred.
3. Financial bid will be open only for those, who meet tender technical specification.
4. Please do mention tender number clearly on envelop.
5. Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.
6. The supplier must have supplied systems to institutions of national and/or international repute.
7. Quotation must indicate FOB prices.

8. Payment terms & condition is 70% against delivery, 20% after installation and 10% after successful running of equipment for 3 months & approval.
9. Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
10. Installation, demonstration, and training-sessions at IIT Kanpur will have to be provided by the manufacturer or the vendor for the quoted system.
11. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
12. Validity of quotation should be at least for 60 days.
13. Maximum educational discounts should be applied.
14. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
15. Institute is exempted from payment of Excise Duty under notification No. 10/97.
16. The delivery period should be specifically stated. Earlier delivery may be preferred.
17. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.

Kindly send the quotation in sealed envelopes latest by 3:00 pm on dated 02/02/2016 to the following address:

To,
Dr. Monica Katiyar
Room No.305,
Samtel Centre for Display Technologies (SCDT),
Indian Institute of Technology Kanpur,
Kanpur – 208016,
Uttar Pradesh, India