

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR
HOWRAH-711 103

Enquiry No. 02/MET/TM/CPDA/IEST/2016-17

Date: 07/03/2017

Advt.No.Web/MET/IEST/16-17/131

To,
All the Enlisted Suppliers/Dealers/Manufacturers

Sealed quotations are invited for supply of Programmable Spin Coating System, Substrate Holder & Advanced Oil-free Vacuum Pump under CPDA Account of Prof. Tapendu Mandal, Assistant Professor, Dept. of Metallurgy and Materials Engineering. The sealed quotations should be addressed to the Head of the Department indicating enquiry no. with date on the top of the sealed envelope. The sealed quotations should be submitted at the office of the department on any working day up to 16/03/2017 till 5.00 P.M.

Specification:

• Programmable Spin Coating System
Micro-controller Controlled
Brushless DC Motor
Speed Range: 100-10,000 R.P.M. [based on a Glass Substrate of Dimension 1.5" (L) X 1" (W) & Thickness 0.05"]
<±1% Error across the Full Speed Range
Acceleration: 40-5,000 R.P.M./sec [based on a Glass Substrate of Dimension 1.5" (L) X 1" (W) & Thickness 0.05"]
Duration: 1-9,999 sec/step
2 Preset Editable Programs
10 Steps (Maximum)/Program
Real-time Display of R.P.M., Timing & Program Status on 4 Line LCD Console
Non-volatile Program Memory
Teflon coated Working Chamber of 8" Diameter
User-friendly Firmware Interface
Integrated Power On/Off Switch with Indicator
Integrated Vacuum release Switch with On/Off Indicator
Warm Up Option
Calibration Option
Spill-drainage Facility
N2 & other Inert Gas Purging Port

Transparent Photo-resist Safety Lid over the Working Chamber
Power: Indian Standard
Wattage: 120 W (Maximum)
• Substrate Holder
0.5" Diameter
1" Diameter
1.5" Diameter
2" Diameter
• Advanced Oil-free Vacuum Pump
Maximum Power: 80 W
Maximum Current: 0.4 A
Maximum Vacuum: -730 Torr
Maximum Flow Rate: 20 l/min
Noise Level: 50 dB
Horse Power: ¼ HP
Net Weight: 5.2 kg
Port Thread: 5/16" = 8 mm

(Dr. S. K. Ghosh)
Professor & Head

Copy forwarded for information to:

Institute Website, IEST, Shibpur, Howrah-711103

For details the vendors may contact Prof. Tapendu Mandal (Mobile No. 96748 89808) during working hours.