

Technical Specifications of Automatic Polishing Machine

Technical specifications of automatic polishing machine for finer polishing on cementitious materials like cement paste or concrete, ceramics, geological specimens like soils, etc. are as below:

1. The instrument should have advanced Programmable Logic Controller (PLC) based touch screen system with pre set and editable programs (control on speed, time, force, lubrication, direction, etc.).
2. The equipment should have provision to use discs of various diameters such as 8", 12" etc. and also accommodate various specimen sizes.
3. It should have central pressure loading system.
4. The equipment parts like Aluminium disk, specimen holder etc. should be adjustable/detachable.
5. The instrument must be supplied with all the accessories for sample preparation such as diamond disk, diamond suspension/spray, lubricant for diamond polishing, epoxy and hardener for impregnation of the samples, etc.
6. The instrument should have automatic control valve for lubricant, automatic specimen head with variable speed and motorized movement (Up & down movement and clockwise & counterclockwise rotation)

General Specifications of Automatic Polishing Machine

1. The equipment must be installed by the technical persons of the vendor.
2. Proper demonstration and training should be given to the users after successful installation by the well-trained service engineer.
3. All the necessary accessories should be provided.
4. The list of at least five users of quoted model installations in India including contact details (name of the person-in-charge, email and phone number) is to be provided. This information will be used for obtaining technical and after sales support of the bidder.
5. There must be a local service engineer in Chennai or nearby cities in India. The downtime should not be more than 36 hours. Detail of service persons to be provided during bid submission.
6. Payment conditions: 90% LC at sight and 10% after installation and demonstration
7. The equipment should be delivered within 16 weeks from the opening of the letter of credit or issue of the purchase order, whichever is later.
8. Individual costs should be indicated for the different items (parts) quoted. IIT Madras reserves the right to exclude some items from the purchase. Items must be quoted separately.
9. Costs and related information should be given only in the financial bid