

# **International Shopping**

## **DEPARTMENT OF PRODUCTION ENGG.**

**Tender for Equipment – NITT : 16/2006/TEQIP**

**Date : 4-10-2006**

TPROIS01 – Coordinate measuring machine

### **Option 1**

Type	:	Gantry/ Bridge
Measurement Volume:	X axis :	500 mm
	Y axis :	400 mm
	Z axis :	400 mm
Measuring System resolution	:	0.0005 mm
CMM Table	:	Granite with tapped holes to facilitate clamping of components
Probe	:	Electronic probe
Bearing	:	Air/ Mechanical bearing
Software and Control system	:	Suitable control system with interactive software for possibility of measuring geometric features

### ***Optional Accessories and additional requirements***

1. Reference cubes and spherical balls for calibration purpose.
2. Electronic star probe.
3. Optical non contact probe.
4. Universal probe.
5. Scanning probe.
6. CCD Camera with measuring facility.
7. Modular clamping devices to clamp/hold components.

### ***General***

1. CMM should be operated preferably on a stand alone PC to avoid obsolescence of the equipment with the obsolescence of PC model.
2. The equipment should be suitable to operate at 230V, single phase.
3. One year comprehensive warranty.
4. Prices should be quoted on CIF basis or FOR NIT, Trichy basis.
5. Installation, commissioning, calibration and prove out of the CMM at our premises.

### **Option 2**

Type	:	Gantry/ Bridge
Measurement Volume:	X axis :	500 mm
	Y axis :	600 mm
	Z axis :	500 mm
Measuring System resolution	:	0.0005 mm

CMM Table	:	Granite with tapped holes to facilitate clamping of components
Probe	:	Electronic probe
Bearing	:	Air/ Mechanical bearing
Software and Control system	:	Suitable control system with interactive software for possibility of measuring geometric features

***Optional Accessories and additional requirements***

1. Reference cubes and spherical balls for calibration purpose.
2. Electronic star probe.
3. Optical non contact probe.
4. Universal probe.
5. Scanning probe.
6. CCD Camera with measuring facility.
7. Modular clamping devices to clamp/hold components.

***General***

1. CMM should be operated preferably on a stand alone PC to avoid obsolescence of the equipment with the obsolescence of PC model.
2. The equipment should be suitable to operate at 230V, single phase.
3. One year comprehensive warranty.
4. Prices should be quoted on CIF basis or FOR NIT, Trichy basis.
5. Installation, commissioning, calibration and prove out of the CMM at our premises.