

# Metrology Lab



## COORDINATE MEASURING MACHINE(CMM)

**Make :** Accurate India.

**Model :** Spectra

**Specifications:**

Measuring range( mm)	X axis	500mm
	Y axis	600mm
	Z axis	400mm
Mode of operation		Motorised / CNC
Accuracy MPE <sub>E</sub>		2.2+L / 350
Resolution (in $\mu\text{m}$ )		0.1 / 0.5
Max 3D Velocity (mm/sec)		900
Acceleration (mm/sec <sup>2</sup> )		1200
Max Workpiece weight (ka)		250
System Weight (ka)		890
Guidance		Air Bearings on all axes
Measuring table (Material)		Granite
Probe Option		TP 20 TP200 SP 25M Revo
Probe heads		MH8. MIH. PH 10. PH 20



## SURFACE ROUGHNESS TESTER

**Make** : Mitutoyo

**Model** : SJ 410

**Specifications:**

Differential Induction Method	
Measuring range	25 mm
Resolution	0.000125 $\mu\text{m}$
Stylus	Dimond
Tip radius	5 $\mu\text{m}$
Measuring force	4 mN

