



METROLOGY AND MACHINE VISION LABORATORY
DEPARTMENT OF PRODUCTION ENGINEERING
PSG COLLEGE OF TECHNOLOGY, COIMBATORE - 641004

The metrology and machine vision laboratory in Department of Production Engineering has been set up with the aim of providing training and consulting services for industry and academia. The training courses are designed to enhance the skill of students, faculty of engineering colleges and practicing engineers from industry in the field of dimensional metrology used in manufacturing.

Services offered

- Training on basic metrology
- Training on calibration and evaluation of uncertainty of measuring instruments
- Study of Gauge Repeatability and Reproducibility
- Hands on training on optical measuring instruments and surface finish measurement
- Hands on training on operation & programming of Coordinate Measuring Machine
- Inspection of machined and forged parts using Coordinate Measuring Machine
- Training on vision based measurement system
- Dimensional and form measurement of components using coordinate measuring machine and machine vision system



Mitutoyo CRYSTA Apex S 544 CMM

Model	CRYSTA-Apex S 544	
Measuring range	X axis	500mm
	Y axis	400mm
	Z axis	400mm
Resolution	0.0001mm	
Workpiece	Maximum height	545mm
	Maximum mass	180kg
Probe used	TP200 (Stylus: $\varnothing 4$ X 10mm)	
Maximum permissible error (μm)	1.9+4 L/1000, (L in mm)	

For Queries, Please Contact :

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