

Name of Lab: - Metrology and Quality Control Lab

Name of Lab In charge: - Prof. Bankar N. D.

Name of Lab Assistant: - Mr. Patil S. K.

The main objective of Metrology and Quality Control Lab is to perform the practical Industrial measurement like linear and angular as well as theoretical and practical aspects. The Diploma mechanical Engineer should understand, select and use various measuring instruments as he often comes across measuring different parameters of machined components and the appropriate fitment of interchangeable components in the assemblies

Maharashtra State Board of Technical Education

Equipment List

Name of Lab: **Metrology and Quality Control Lab**

Particulars: Specifications of Major/essential Equipment required for conduction of practical as per curriculum.

Sr. No.	Particulars	No Of Available	Cost
1	Vernier Caliper	1	9500
2	Digital Vernier Caliper	1	10000
3	Micrometer	1	5500
4	Dial Indicator	1	10900
5	Sine Bar	3	55000
6	Optical Profile Projector	1	120000
7	Radius Gauge	1	5750

8	Feeler Gauge	1	2600
9	Screw Pitch Gauge	1	2050
10	Gear Tooth Vernier Caliper	1	9700
11	Spirit Level Block	1	600
12	V Block	2	5000
13	Screw Thread Micrometer	1	19000
14	Vernier Bevel Protractor	1	23000
15	Vernier Height Gauge	1	28000
16	Straight Edge	1	18000
17	Floating Carriage Micrometer	1	65000
18	Slip Gauge Set	1	109000
19	Surface Plate	1	26000
20	Angle Gauge Set	12	35000
21	Pneumatic Comparator & Mini Compressor	1	73500
22	Autocollimator	1	62000
23	Snap Gauge Go & Nogo Gauge	1	1800
24	Plug Gauge Go & Nogo Gauge	1	1800
25	Ring Gauge Go & Nogo Gauge	1	2500
26	Inside Micrometer	1	2500

27	Adjustable Snap Gauge	1	8350
28	Dial Bore Gauge	1	6230
29	Thread Plug Gauge	1	1055
30	Thread Ring Gauge	1	1145
31	Monochromatic Light Source & Optical Flat	1	39000
32	Vernier Depth Gauge	1	1500
Total Cost			760980

Lab In charge

HOD