

Department of Mechanical Engineering

Machine Shop

Workshop In-charge: Dr. Sharanjit Singh, Dr. MP Garg & Er. Vipin Bansal

Workshop Instructor: Ravinder Singh

List of Tools & Equipment's

This laboratory is for Mechanical Engineering students with facilities for the group of students to carry out experiments independently. The laboratory is well-equipped and enables students to understand the basics of concept of manufacturing machine and manufacturing technology.

Sr. No.	Tools & Equipment's	Sr. No.	Tools & Equipment's
1	Adjustable Spanner	41	Mini Hacksaw 12"
2	Bench Grinder Machine	42	Needle File Set 6"
3	Bevel Protector 6"	43	Oil Can
4	Boring Bar 1/4"	44	Outside Spring Caliper 18"
5	Capstan Lathe Machine (Capacity 25mm)	45	Outside Spring Caliper 6"
6	Combination Set (Combination Spanner)	46	Parting Bit Holder 1/2"
7	Cross Wheel Spanner	47	Pedestal Grinder Machine
8	Dial Indicator Stand	48	Pipe Die Set 1.1/4" x 2"
9	Depth Gauge 6"	49	Pipe Die Set 1/2" x 1"
10	Dial Indicator	50	Power Hacksaw Machine
11	Double Ended Open Spanner	51	Precision Grinding Vice 75mm
12	Drill Chuck 1/2"	52	Radial Drill Machine (Capacity 25mm)
13	Drill Machine Vice 125mm	53	Radius Filler Gauge 1-7 mm
14	Drill Precision Vice 125mm	54	Radius Gauge 7.5 - 15 mm
15	Drill Vice 3side Right Angle	55	Revolving Center
16	Drilling Machine (Pillar Type)	56	Round File 8"
17	Figure Set (Punch)	57	Screwdriver Kit
18	File (Flat Basted) 10"	58	Screw Thread Gauge (Metric & BSW)
19	File (Flat Second Cut) 10"	59	Scriber 6"
20	File (Flat Smooth Cut) 10"	60	Self-Centering Vice 100mm
21	File (Square) 8"	61	Shaper Machine
22	File (Triangular) 8"	62	Sliding Ball 1/2"
23	Flat Nose Plier 4"	63	Sprit Level
24	Grease Gun	64	Steel Foot Rule 12"
25	Hacksaw Frame (Tubular) 12"	65	T Handle Spanner
26	Hammer (cross Peen) 250gm	66	Sui Block (Surface Gauge) fixed Base
27	Hand Reamer (Adjustable)	67	Surface Grinding Machine chuck 6" x 18"
28	Hacksaw Frame (Fixed Type) 12"	68	Sui Block (Surface Gauge) Adjustable Base

29	Hexagonal Ring Spanner	69	Tool Cutter Grinder Machine 4" x 20" Ta
30	Inside Side Spring Caliper 18"	70	Tool Holder 1/2" "
31	Inside Spring Caliper 6"	71	Tool Holder 3/8 "
32	Knurling Tool 1/2"	72	Tool Post Spanner 1/2"
33	Lathe Machine 4.5' (3Jaw)	73	Try Square 8"
34	Lathe Machine 4.5' (4 Jaw)	74	Tubler Box Spanner
35	Lathe Machine 6' (3 Jaw)	75	Universal Milling Machine 9" x 40" Table
36	Lathe Machine 6.5' (4 Jaw)	76	V-Block set
37	Letter Set (Punch)	77	Vernier Caliper 150mm
38	Magnifying Glass		
39	Measuring Tape 3 mtr		
40	Micrometer(Outside) 0-25mm		



