

## **MultipleLabs Typical Turnkey Lab Setup Solutions Equipments Lists of various kinds of Labs in different Industries :**

### ***(A) TESTING INSTRUMENTS FOR PAINT, PRINTING INK, POWDER COATING, ADHESIVE, RESIN, THINNER, PIGMENT, VARNISH, SURFACE COATING, ETC.***

1. Abel Flash Point App.
2. Abrasion Tester (Wet & Dry)
3. Adhesion Tester / Bend Test units
4. Accelerated Leaching Apparatus
5. Abbe Refractometer
6. Brookfield Viscometers
7. Ball Mills
8. Bubble Viscometer
9. Bond Strength Tester
10. Centrifuge Machine
11. Chequer Board
12. Colour Comparators
13. Colour Tintometer
14. Colour Matching Cabinet
15. Conical Mandrel Tester
16. Cross Hatch Cutter
17. Cryptometer (P-Fund)
18. Cupping Test App.
19. Cone & Plate Viscometer
20. Conductivity Meter
21. Deformation Tester
22. Drying Time Recorder
23. Dupont Impact Tester
24. Distinctness of Image Gloss Meter (DOI)
25. Densitometer
26. Dean & Stark App.
27. Distillation App.
28. App. for testing Electrical Insulation of Varnish
29. Film Applicators, Spreaders, Spinners
30. Fineness of Grind Gauges
31. Flow Cups - BS / ASTM / DIN / ISO / IS
32. Falling Bar Viscometer (Laray)
33. Flexo Lab Printer

34. Fire Retardentability Test App.
35. Falling Weight Impact Tester
36. Gel Strength Tester
37. Gloss Meters
38. Gelation Timer
39. Gardner Liquid Colour Standards
40. Gardner Colour Discs
41. Hazemeters
42. Hiding Power Charts
43. Holiday Detectors
44. Humidity Cabinets
45. Hand Inking Roller
46. Hardness Rocker / Hardness Pencils
47. Ink Proofing Kit
48. Ink Pipette
49. Minimum Film Forming Temp. App.
50. Melt Flow Index App.
51. Melting Point App.
52. Non Slip Tester
53. Opacity Charts
54. PH Meter
55. Penetrometer
56. Panel Sprayer Automatic
57. Peeling Strength Tester
58. Permeability - Payne Cups
59. Picnometers
60. Paint Stickiness Tester
61. Pinhole Detectors
62. Painto Tester
63. Pressure Density Cups
64. Pigment Muller
65. Paint Inspection Guage
66. Pendulum Impact Tester
67. Paint Corrosion Cabinet
68. Pencil Hardness Tester
69. Pressure Test App.
70. Rotothinners
71. Red Devil Paint Shaker
72. Reflectance Meter
73. Resistivity Meter
74. Ring & Ball App.
75. Stormer Viscometer
76. Sag Index Applicator
77. Salt Spray / Cyclic Corrosion Cabinet
78. Scrub Tester
79. Surface Profile Gauge
80. Scratch Tester
81. Specific Gravity Cups

82. Spectrophotometers
83. Tubular Impact Tester
84. Titration App.
85. Test Sieves
86. Taber Abraser
87. Thickness Gauges (Wet & Dry Film)
88. Traffic Wheel
89. Tackmeter
90. Travelling Thermometer (Temp. Recording System)
91. Ultrasonic Coating Thickness Gauge
92. Viscometers
93. Vibro Shaker
94. Weatherometer
95. Wire Bar Coaters
96. Wear Tester For Road Marking Paints
97. Zahn Cups etc.

***(B) TESTING INSTRUMENTS FOR OIL, PETROLEUM, GREASE, BITUMEN, WAX, TAR ETC.***

1. Aniline Point App.
2. Abel Flash Point App.
3. Acidity by Extraction App.
4. Asphalt Oven / Ageing Oven
5. ASTM Colour Comparator / Discs
6. Adiabatic Bomb Calorimeter
7. ASTM Thermometers
8. Breaking Strength App.
9. Breaking Point of Bitumen App.
10. Bomb Calorimeter
11. Brookfield Viscometer
12. Burning Test Lamp
13. Bitumen Extractor
14. Consistency of Grease App.
15. Cast Iron Corrosion Test App.
16. Concrete Test Hammer
17. Corrosion Stability Test App.
18. Cleveland Fire & Flash Pt. App.
19. Constant Temp. Bath
20. Copper Corrosion Test App.
21. Copper Corrosion Charts (ASTM)
22. Conductivity Meter
23. Conradson Carbon Residue App.
24. Cloud & Pour Point App.
25. Cold Filter Plugging Pt. App.
26. Corrosion Preventive App.

27. Ductility Test App.
28. Dean & Stark App.
29. Demulsification App.
30. Density Hydrometers
31. Distillation Range App.
32. Drop Point App.
33. E.R.B.P. App.
34. Engler Viscometer
35. Existent Gum App.
36. Emcor Rust Test App.
37. Emulsion Test App.
38. Explosive Gas Detector
39. Engine Oil Lab (Portable)
40. Electrical Strength App.
41. Evaporation Loss of Grease App.
42. E.V.T. Viscometer
43. Freezing Point App.
44. Flow Cup Viscometer
45. Foaming Characteristics App.
46. Furnace Oil Viscosity Gauge
47. Float Test App.
48. Grease Worker
49. Grease Cutter
50. Hydroguage
51. Heat Stability App.
52. I. P. Thermometers
53. Jackson Turbidity Meter
54. Kinematic Viscometer Bath
55. Karl Fischer Titration App.
56. Loss on Heating App.
57. Leakage Tendency of Grease App.
58. Melting Point App.
59. Marshal Stability Test App.
60. Oxidation Test Apparatus
61. Oxidation Stability App.
62. Oil Separation on Storage of Grease App.
63. Oil Content of Pet. Wax App.
64. Oil Centrifuge
65. Pensky Marten Flash Pt. App.
66. PH Meter
67. Penetrometer
68. Peroxide Bomb Calorimeter
69. Petroleum Hydrometers
70. Potentiometric Titration App.
71. Redwood Viscometer
72. Rust Preventive App.
73. Rolling Stability App.
74. Ring & Ball App.

75. Ramsbottom Carbon Residue App.
76. Saybolt Viscometer
77. Sulphur Content App.
78. Smoke Point App.
79. Sediment by Extraction App.
80. Sulphonation Flask
81. Silver Corrosion Test App.
82. Sampling Bomb
83. Stroking Test App.
84. Surface & Interfacial Tensiometer
85. Saponification Value App.
86. Sulphated Ash App.
87. Softening Point App.
88. Tag Flash Point App.
89. TDS Meter
90. Turbidity Meter
91. Tar Viscometer
92. Titer Test Apparatus
93. Thermal Stability App.
94. Ultrasonic Cleaner
95. U-Tube Viscometers
96. Vapour Pressure App.
97. Visgage
98. Viscometers - Diff. Types
99. Water Washout App. etc.

### ***(C) ANALYTICAL TESTING INSTRUMENTS***

1. Atomic Absorption Spectrophotometer
2. Analytical Precision Weighing Balance
3. Air Breathing App.
4. Brookfield Viscometer
5. Colour Comparators / Colour Discs
6. Colour Tintometer
7. Colorimeter
8. Conductivity Meter.
9. Dissolved Oxygen Meter.
10. Dew Point Meter
11. Digital Thermometer.
12. Digital Pipette.
13. Digital Burette.
14. Deuterium / Tungsten Lamp.
15. Electro Chemistry Analyser.
16. Flame Photometer.
17. Fluorimeter.
18. Gas Flow Meter.
19. Gas Chromatograph.
20. G. C. / HPLC Columns.
21. Gas Detector Pumps / Tubes.

22. Hollow Cathode Lamps.
23. H.P.L.C.
24. H.P.T.L.C.
25. Humidity Meter.
26. Ion Meter.
27. Infrared Spectrophotometer.
28. Leaf Area Meter.
29. Moisture Balance.
30. Membrane Filters.
31. Melting Point Apparatus.
32. Microscopes.
33. Nessleriser.
34. PH Meter.
35. Polarimeters.
36. Photoelectric Colorimeter.
37. Refractometers.
38. Syringes (FN / RN).
39. Surface Roughness Tester.
40. Slide Projector / Overhead Projector.
41. Spectrophotometer Cells.
42. Top Loading Weighing Balance.
43. TDS Meter.
44. Turbidity Meter.
45. U. V. / Visible Spectrophotometer.
46. Viscosity Standards.
47. Vacuum Filter Holder.
48. 'WHATMAN' Filter Papers etc.
49. LCMSMS
50. GCMSMS
51. ICPMS
52. ICPOES
53. Ion Chromatography
- 54.

***(D) THERMOSTATIC (TEMP.) CONTROLLED INSTRUMENTS  
'BIOTECH' MAKE.***

1. Autoclave.
2. Bunsen Electric
3. B. O. D. Incubator
4. Bacteriological Incubator
5. Bagasse Digestor
6. Constant Temp. Water Bath
7. Colony Counter
8. Cryostat
9. Crucible Furnace
10. Dehumidifier
11. Dessicator Cabinet
12. Environmental Test Chamber

13. Fume Hood
14. Heating Tape
15. Heating Mantles
16. Hot Air Oven
17. Hot Plates
18. Humidity Oven
19. Kjeldahl Digestion App.
20. Laminar Flow Bench
21. Low Temperature Bath
22. Muffle Furnace
23. Melting Point App.
24. Oil Bath
25. Pipette Washer
26. Pipette Dryer
27. Plant Growth Chamber
28. Soxhlet Extraction App.
29. Shaking Reaction Incubator
30. Seed Germinator
31. Steriliser
32. Tray Dryer
33. Viscometer Bath
34. V. D. R. L. Rotator
35. Vacuum Oven
36. Vacuum Dessicator
37. Vacuum Pump
38. Vacuum Cleaner
39. Water Still
40. Water Bath etc.

### ***(E) ELECTRONIC MEASURING INSTRUMENTS***

1. Anemometer
2. Bearing Tester
3. Cable Fault Locator
4. Dimmerstats
5. Earth Resistance Testers
6. Function Generator
7. Frequency Meter
8. Gaussmeter
9. Heating Elements
10. Hall Effect Gaussmeter
11. Hot Wire Anemometer
12. Insulation Tester
13. Kanthal Wire / Resistance Wire
14. Lux Meter
15. LCR Meter
16. Multimeter
17. Nichrome Wire
18. Ohms Meter

19. Oscilloscope
20. Panel Meter
21. RF Absorption Watt Meters
22. RPM Meter
23. RF Directional / Thru-line Watt Meter
24. Revolution Counter
25. Sound Level Meter
26. Spectrum Analyser
27. Temp. Monitors
28. Temp. Controllers
29. Temp. Recorders
30. Timers
31. Time Totaliser
32. Thermometers
33. Thermocouples
34. Tachometers / Stroboscope
35. Tong Testers
36. Vibration Meter
37. V. A. W. Meter
38. Watt Meter / Hour Meter etc.

### ***(F) SOIL, CEMENT, CONCRETE TESTING INSTRUMENTS***

1. Aggregate Crushing Value App.
2. Aggregate Impact Testing Machine
3. Autoclave
4. Concrete Mixer
5. Compression Testing Machine
6. Compression Test App.
7. California Bearing Ratio Test App.
8. Cone Penetrometer
9. Consolidation App.
10. Direct Shear App.
11. Dorry Abrasion Testing Machine
12. Deval Abrasion Testing Machine
13. Extensometer
14. Field Density App.
15. Flow Table
16. Infrared Moisture Balance
17. Jaw Crusher
18. Load Frame
19. Liquid Limit Device
20. Los Angeles App.
21. Moulds
22. Pulveriser
23. Permeability App.
24. Plate Bearing Test App.
25. Proving Ring



26. Proctor Compaction App.
27. Pycnometer
28. Riffle Sample Divider
29. Rapid Moisture Meter
30. Sieve Shaker
31. Slump Test App.
32. Soil Density App.
33. Swell Test App.
34. Soil Testing Kit
35. Test Sieves
36. Ultrasonic Digital Concrete Tester
37. Vibrating Table
38. Vicat Needle App.
39. Vane Shear App.
40. Vibrating Machine etc.

### ***(G) PHARMACEUTICAL EQUIPMENTS***

1. Autoclave
2. Antibiotic Zone Reader
3. Abbe Refractometer
4. Bulk Density App.
5. Blood Cell Counter
6. B.O.D. Incubator
7. Bacteriological Incubator
8. Capsule Filling Machine
9. Dissolution Test App.
10. Disintegration Test App.
11. Fluorimeter
12. Friability Test App. / Fume Hood
13. Hardness Tester
14. Infrared Moisture Balance
15. Jet Washing Machine
16. Karl Fischer Titration App.
17. Liquid Filling Machine
18. Laminar Flow Bench
19. Melting Point App.
20. Potentiometric Titration App.
21. Polarimeter
22. Shaking Machine (Wrist action)
23. Serological Water Bath
24. TLC Unit with U. V. Cabinet
25. Tablet De-Dusting Machine
26. Tablet Breaking Pressure App.
27. Tablet Coating App.
28. Tablet Counting Machine
29. V. D. R. L. Rotator
30. Viscometers etc.

## ***(H) RUBBER TESTING INSTRUMENTS***

1. Adhesion Tester
2. Ageing Ovens
3. Bursting Tester
4. Compression Set App.
5. De-Mattia Flex tester
6. Din Abrasion Tester
7. Flammability Tester
8. Gel Time Tester
9. Hardness Tester
10. Impact Resilience Tester
11. IRHD Rubber Hardness Tester
12. Melt Indexer
13. Permeability Tester
14. Rubber Fatigue to Failure Tester
15. Resistance of Rubber Test App.
16. Ross Flex Tester
17. Rapid Plastimeter
18. Specific Gravity Balance
19. Shore Hardness Tester
20. Scott Flex Tester
21. Specimen Cutting Press
22. Tensile Testing Machine
23. Tension Set Apparatus
24. Thickness Gauge
25. Tear Tester
26. Viscometer
27. Weatherometer
28. Washability Tester
29. Westover Type Frictionometer
30. Yerzley Type Oscillograph etc.

## ***(I) METEOROLOGICAL / WEATHER TESTING APPARATUS***

1. Anemometer
2. Altimeter
3. Aneroid Barometer
4. Assmann Psychrometer
5. Barometer
6. Dew Point Meter
7. Fortins Barometer
8. Hair Hygrometer
9. Hygrograph
10. Hygrothermographs
11. Hygrothermometer
12. Hygrometer
13. Psychrometer
14. Rain Gauges

15. Sunshine Recorder
16. Temp. & Humidity Meter
17. Thermographs
18. Thermohygrographs
19. Three-cup Contact Anemometer
20. Water Level Meter
21. Water Level Recorder
22. Weather Station
23. Wet & Dry Bulb Hygrometer
24. Wind Direction Recorder
25. Wide Range Barometer etc.

### ***(J) PLASTIC TESTING INSTRUMENTS***

1. Abrasion Tester
2. Adhesion Tester
3. Endurance Tester
4. Falling Dart Impact Tester
5. Falling Ball Impact Tester
6. Gel Time Tester
7. Heat Distortion Temp. App.
8. Haze Meter
9. Hardness Tester
10. Izod Impact Tester
11. Martens Softening Point App.
12. Melt Flow Index App.
13. Oxygen Index App.
14. Resilience Tester
15. Surface & Volume Resistivity App.
16. Specific Gravity Balance
17. Slip Tester
18. Tensile Testing Machine
19. Vicat Softening Point App.
20. Viscometers etc.

### ***(K) WATER TESTING INSTRUMENTS***

1. Colorimeter
2. Chlorine Analyser
3. Colour Discs
4. Conductivity Meter
5. Chloride Analyser
6. D. O. Meter
7. Dew Point Meter
8. Flocculator
9. Horrock's App.
10. Hardness Testing Kit
11. Humidity Meter
12. Ion Analyser
13. Nephelometer

14. PH Meter
15. Spectrophotometer
16. Turbidity Meter
17. Thermometers
18. TDS Meter
19. Water Level Indicator
20. Water Analysis Kit etc.

***(L) APPARATUS FOR ENGINEERING COLLEGES, RESEARCH INSTITUTES***

1. B-H Curve Unit
2. Begg's Deformeter
3. Capacitance and Permittivity Kit
4. Composite Piezo-Electric Oscillator
5. Cooling Curve Kit
6. Di-Electric Cell
7. Electronic Balances
8. Fourier Analysis Kit
9. Forbidden Energy Gap Kit
10. Holography Kit
11. Heat Capacity Kit
12. Load Cells
13. Lattice Dynamics Kit
14. Michelson Interferometer
15. Microscopes
16. Prestressing Bed
17. Proving Rings
18. Stefan's Constant Kit
19. Ultrasonic Interferometers
20. Ultrasonic Concrete Tester etc.

***(M) MUD TESTING EQUIPMENTS***

1. Ageing Cells
2. Alkalinity Test Kit
3. Centrifuges
4. Corrosion Test Cells
5. Filter Press
6. Funnel Viscometer (Marsh)
7. Mud Balance
8. Mud Test Kit
9. Oil & Water Retort Kit
10. PH Meter
11. Particle Size Plate Kit
12. Resistivity Meter
13. Rheometer
14. Roller Ovens
15. Sand Content Kit
16. Thermometers
17. Viscometer (FANN)

18. Water Analysis Kit
19. Water Hardness Kit

### ***(N) 'MITUTOYO' PRECISION MEASURING INSTRUMENTS***

1. Bore Gauges
2. Combination Square Sets
3. Dial Indicators
4. Depth Gauges
5. Height Gauges
6. Holtests
7. Micrometers
8. Magnifiers
9. Pitch Gauges
10. Radius Gauges
11. Surface Roughness Tester
12. Screw Gauges / V-Blocks
13. Thickness Gauges
14. Universal Bevel Protractor
15. Vernier Calipers, etc.

### ***(O) METALLURGICAL TEST INSTRUMENTS***

1. B. N. F. Jet Test App.
2. BCS Standard Samples
3. Carbon & Hydrogen Det. App.
4. Combustion Tube Furnace
5. Diamond Paste
6. Electrolytic Analysis App.
7. I.I.W. Blocks
8. Metallurgical Microscopes
9. Metallurgical Mounting Press
10. Magnetic Crack Detector
11. Metal Hardness Tester
12. Rapid Silicon Determination App.
13. Rapid Phosphorous Determination App.
14. Sklero Tester
15. Ultrasonic Flaw Detector etc.

### ***(P) POLLUTION / ENVIRONMENT MEASUREMENT INSTRUMENTS***

1. Anemometers
2. Dust Fall Measuring Kit
3. Dew Point Meter
4. Flue Gas Analyser
5. Fume Hood
6. Flowmeters / Pitot Tubes
7. High Volume Air Sampler
8. Humidity Meters
9. Laminar Flow Bench
10. Manometers / Rotameters

11. Multigas Sampling Kit
12. Sound Level Meter
13. Stack Monitoring Kit
14. Thermometers
15. Wind Direction Recorder, etc.

***(Q) PAPER, PAPER-BOARDS, CARTONS TESTING INSTRUMENTS***

1. Ash Incinerator
2. Box Compression Test App.
3. Bursting Strength Tester
4. Cobb Tester
5. Collapse Tester for Paper Tube
6. Drop Tester
7. Elmendorf Tear Tester
8. Folding Endurance Testing Machine
9. GSM Quadrant Scale
10. Moisture Balance
11. Puncture Resistance Tester
12. Stacking Test App.
13. Sizing Tester
14. Tensile Testing Machine
15. Thickness Gauge, etc.

***(R) SUGAR TESTING INSTRUMENTS***

1. Beaume Hydrometers
2. Brix Hydrometers
3. Bagasse Digestor
4. Ball Mill
5. Colour Comparators
6. Colour Discs
7. Jawa Hydrometers
8. Polarimeter
9. Refractometers
10. Specific Gravity Hydrometers
11. Sikes Hydrometers
12. Sachharimeter
13. Twaddle Hydrometers
14. Thermometers
15. "WHATMAN" Filter Papers, etc

## **(S) EQUIPMENTS FOR ADHESIVE CONVERTING AND PRINTING INDUSTRIES**

1. Adhesion Testers
2. Drawdown Coaters
3. High Speed Release Tester
4. High Speed Unwinding Machine
5. Hot Roll Laminator
6. Hot Melt Coaters
7. Hand Rollers / Cutters
8. Laboratory Laminators
9. Loop Tack Testers
10. PSTC Instruction Videos
11. PSTC Accessories
12. PSTC Test Method
13. Rolldown Machine
14. Sample Slitters
15. Shear Testers, etc.

## **(T) GAS DETECTION INSTRUMENTS**

1. Breath Analyser
2. Combustible Gas Monitor
3. Co-Detectors
4. Exhaust Gas Analyser
5. Electrical Shock Hazard Detector
6. Explosive Gas Detector
7. Flue Gas Analyser
8. Fyrite Analyser
9. Fire Control Monitor
10. Gas Leakage Tester
11. Halogen Leak Detector
12. Hexane Detector
13. Hydrogen Gas Leakage Tester
14. Methane Detector
15. Smokemeter, etc.

## **(U) SURVEY TESTING INSTRUMENTS**

1. Deep Draw Tester
2. Gloss Meter
3. Hardness Tester
4. Micrometers
5. Rotary Fatigue Tester
6. Reverse Bending Apparatus
7. Tensile Testing Machine
8. Torsion Testing Machine
9. Vernier Caliper
10. Wrapping Tester, etc.

## **(V) LEATHER / FOAM TESTING INSTRUMENTS**

1. Bursting Strength Tester
2. Colour Fastness Tester
3. Flexometer
4. Shrinkage Tester
5. Scuff Resistance Tester
6. Specimen Cutting Press
7. Tensile Testing Machine
8. Thickness Gauges
9. Water Resistance Tester
10. Water Vapour Permeability Tester, etc.

## **(W) TESTING INSTRUMENTS FOR FOOTWEAR**

1. Abrasion Tester
2. Compression Set App.
3. Fatigue Bending Tester
4. Ross Flex Tester
5. Sole Adhesion Tester
6. Shoe Flex Tester
7. Split Tear Tester
8. Specific Gravity Balance
9. Tensile Testing Machine
10. Toe Cap Impact Tester, etc.

## **(X) TESTING INSTRUMENTS FOR YARN, FABRICS, CARPETS, VINYL COATED FABRICS, BITUMEN FELT, WOOD FELT**

## **(Y) TESTING INSTRUMENTS FOR POLYETHYLENE FILMS, PVC & HDPE PIPES, PVC FLOOR COVERING & TILES, HELMETS**

## **(Z) TESTING INSTRUMENTS FOR INSULATION & ADHESIVE TAPES, ENAMELLED COPPER WIRES, CABLES, CONDUITS FOR ELECTRIC INSTALLATION, ELECTRIC**