

2006



RAJCO SCIENTIFIC & ENGG. PRODUCTS



COMPRESSION TESTING MACHINE
HAND OPERATED



COMPRESSION TESTING MACHINE
HAND OPERATED



COMPRESSION TESTING MACHINE
CAPACITY = 2000KN



COMPRESSION TESTING MACHINE
CAPACITY = 200KN
SINGLE PRESSURE GAUGE



COMPRESSION TESTING MACHINE
CAPACITY = 500KN



COMPRESSION TESTING MACHINE
CAPACITY = 2000KN
WITH THREE PRESSURE GAUGES
ELECTRIC CUM HAND OPERATED



COMPRESSION TESTING MACHINE
CAPACITY = 2000KN DIGITAL



Introduction

Dear Sir/s,

We have pleasure to introduce ourselves as one of the Leading Manufacturers and suppliers of the aforesaid equipments, as given in the Appendix enclosed, to the government and Semi-Government Departments, P.W.D. Irrigation, National Highways, Rural Roads, Research Labs, Engineering Colleges, Polytechnics, Defence, Electricity Boards, Bridges & other Construction Units and Dams etc. throughout India.

Lately, we have exported some of our equipments abroad and those are giving satisfactory performance, evidently, as we are getting Repeat Orders.

Every item manufactured by us is capturing the market more than our expectations as we make every instrument from the best quality of material available in the market and strictly according to the I.S., B.S., OR A.S.T.M. specifications and also according to the Engineer's own specifications.

Every instrument is fully tested for its performance and carries a guarantee for one year. We also provide full cooperation to the purchaser by giving practical demonstration, if required, for the instrument supplied by us.

We would request you to kindly register our name in your purchase section and mail us your regular enquiries from time to time which we assure you will receive our best attention at all times.

Thanking you for a line in reply confirming our registration, we remain .

Yours faithfully,

Rajco Scientific & Engineering Products.
(P.K. SETHI) PROPRIETOR

Registration as Manufacturers and Suppliers of

- › Cement, Concrete & Aggregate Testing Instruments.
- › Soil Testing Instruments.
- › Bitumen Testing Instruments.
- › Foundry (Moulding) Sand, Fuel, Paint, Timber Testing Machines.
- › Rubber, Plastic, Leather, Paper Testing Machines.
- › General Laboratory Instruments and Accessories.

1. Abbot's compaction Apparatus.
2. Augers : Post Hole Type 150, 100, 75, 50, 38mm dia.
Complete with One Metre Long Rod, Tee Piece and Handle
Extension Rod 20mm dia x 1 metre Long threaded at both ends with hexagonal couplings.
Screw Type 100, 75, 50 and 38 mm dia.
3. Automatic Compaction apparatus Universal (IS 2720 Pt. VII & VIII).
4. Bishop's Pore Pressure App.
5. Constant Volume Mould for Specimen 38, 50, 75, 100, 150 mm dia.
6. California Bearing Ratio Test App. (CBR) (FIELD TYPE) IS-2720 Part XXXI/69.
7. California Bearing Ratio Test App. (Hand Operated) (Laboratory Type) IS-2720 Part XVI/65.
8. California Bearing Ratio Test App. Motorised Laboratory Type as per IS-2720 Part XVI-1965..
9. Compaction Test App. (Proctor Compaction App.) IS- 2720 Part VII & VIII.
10. Consolidation App. Single, Three & Six gang (IS-2720 Pt. XV).
11. Consolidation Autolevel Motorised.
12. Constant Pressure System (Mercury Control) Single, Double, Triple, Quadrup.
13. Cone Penetrometer Proving Ring.
14. Cone Penetrometer (IS-2720 Pt.V)
15. Direct Shear Test App. Hand Operated (IS-2720 Pt. XIII)
16. " " " " Multiple Reversal Type, Motorised 30 speed.
17. " " " " " " " " 12 Speed.
18. " " " " " " " " Single Speed.
19. " " " " Direct Shear Test App. Large Motorised Cap 3000 kg with 12speed.
20. " " " " " " " " " " " " 30 speed.
21. " " " " " " " " " " " " 72 speed.
22. " " " " Direct Shear Test App. Turret Type 30 speed Gear Box Elect. Operated.
23. Dames and Moore Samplers (Piston Type Samplers).
24. Dynamic Cone Penetration Test App. (IS - 4968 Part I).
25. Extractor Frame universal Hand Operated.
26. Extractor Frame Universal Motorised.
27. Extractor Frame Hydraulic Cap. 50 KN (5000kgf.) Hand Operated.
28. Field Density Test App. (Soil Density Determination App.)
Core Cutter Method (IS -2720 Part XXIX/66).
29. Field Density Test (Sand Replacement Method-Sand Pouring Cylinders (IS -2720 Part XXVIII).
30. Grain Size Analysis App. (Anderson Pipette Method) IS -2720 Pt.IV.
31. High Speed Stirrer with Baffle and Glass.
32. Harvard Miniature Compactor ASTM-D-18-1958.
33. In-situ Vane Shear Test App. IS -4434-1967 (Bore Hole Type).
34. IOWA Bearing Value App.
35. Infra Red Moisture 0-100% on wet weight basis IS-2720 pt.II.
36. Jodhpur Permeameter.
37. Jodhpur Mini Compactor.
38. Jodhpur Unconfined Compression Tester Proving Ring Type Cap. 50kg.
39. Liquid Limit Device with a set of Grooving Tools (IS-2720/V).
40. Liquid Limit Device with a set of Grooving Tools and counter (IS-2720/V)
41. Liquid Limit Device with a set of Grooving Tools and counter (IS-2720/V).motorized.
42. Load Frame Hand Operated Cap. 50KN (5000kg).
43. Load Frame Elect. 1.25mm/min Single Speed.
44. Load Frame Elect. 6, 8 speed-20 KN (2000kg) and 50KN (5000kg).
45. Load Frame Elect. 12 speed- 0.0001 to 5 mm/min 500KN (50000kg).
46. Load Frame Elect. Bench Type Motorised 3 speed 1.5, 2.0, 3.0 mm/min
47. Loading jack 100KN (10000kgf) with U Bracket.
48. Load Truss 200 KN (20000kgf), 300, 500KN (30000-50000kgf).



Soil Testing Instruments

- 49 Lateral Pressure Assembly.
- 50 Mortar Mixer.
- 51 Mechanical Rotating Sample Divider IS 1607 Motorised.
- 52 Miniature Field Permeameter.
- 53 North Dakota Cone (IS-2720 Pt. XXXII).
- 54 Plastic Limit App.
- 55 Pycnometer.
- 56 Proctor Needle Spring / Hydraulic Type.
- 57 Permeability Test App. (IS-2720 Pt. XVII/66).
- 58 Proctor Penetrometer.
- 59 Permeability & Settlement Test App. 8" and 20", As per ASTM.
- 60 Pocket Penetrometer.
- 61 Plate Bearing Test App.
- 62 Proving Ring of Different Capacities for Compression/Tension Cap. 100kg. To 200 Tonnes.
- 63 Relative Density Test App. (IS-2720 Pt. XIV).
- 64 Rapid Moisture Meter 0.25, 0.50% (IS-2720 Pt.II).
- 65 Riffle Sample Divider 25mm chutes with 16 slots etc (IS-1607).
- 66 Shrinkage Limit App. IS 2720 Pt.VI.
- 67 SIEVES-Brass Frame 20, 30 cms dia Fine Series.
G.I. Frame : 20, 30, 45 cms dia Coarse Series.
- 68 Sieves Shaker : Hand Operated for 20,30 cms dia Sieves.
- 69 " " : Motorised Gyrotary Type 20,30 cms dia Sieves.
- 70 " " Rotap Motorised.
- 71 " " (Wet) Yodar Type Motorised Single, Double & 4 sets of Sieves.
- 72 Swell Test Apparatus.
- 73 Static Cone Penetrometer 30KN (3000kgf) Hand Operated (IS-4968/III).
- 74 Soil Trimmer Hand and Motorised.
- 75 Soil Lathe Motorised Bench Type Mounting.
- 76 Soil Mixer (IS-4031)
- 77 Sedimentation Analysis App.
- 78 Soil Centrifuge.
- 79 Sampling Outfit.
Sampling Tube for 38mm dia specimen, 150,300mm long.
Sampling Tube for 75, 100mm dia, 450mm long.
Jarring Link.
Sampler 50, 100, 150mm dia samples.
Split Spoon Sampler with Brass Liner (IS-2131).
Drive Weight Assembly 65kg. weight (IS-2131).
Tripod Stand with Stairing Arrangement.
Piston Sampler Stationary Type.
- 80 Triaxial Shear Test App. Hand and Elect. For 1½" dia specimen
- 81 Triaxial Shear Test App. Universal for 1½", 2", 3",4" dia specimen.
- 82 Triaxial Cell Rotating (Bush Type).
- 83 Unconfined Compression Test Proving Ring Type Hand Operated
30KN (3000kgf) (IS-2720/X and 4432/V).
- 84 Unconfined Elect. 30KN 3 speed, 1.5,2,3 mm/min.
- 85 Unconfined Spring Type (Autographic).
- 86 Vane Shear App. Lab. Hand Operated , IS-2720/XXX.
- 87 Vane shear App. Lab. Motorised.
- 88 Volume Change Gauge Single & Twin Burette.
- 89 Volume Change Self Compensating Mercury Control.
65. Volume Change Self Compensating Mercury Control.
Single, Double, Triple, Quadrap.

Cement, Concrete & Aggregate Testing Equipments.

1. Aggregate Impact Tester IS-2386/IV.
2. Aggregate Impact Tester IS-2386/IV with Auto Blow Counter.
3. Air Permeability App. (Blain Type) IS-5516 and 4031.
4. Aggregate Crushing Value App. 3", 6" and 12" (IS-2386/IV).
5. Compression Testing Machine Hand Operated Cap. 250KN (25000kgf).
6. Compression Testing Machine Hand Operated Cap. 500KN (50000kgf).
7. Compression Testing Machine Hand Operated Cap. 1000KN (100000kgf).
8. Compression Testing Machine Hand Operated Cap. 2000KN (200000kgf).
9. Compression Testing Machine Elect-Cum-Hand Cap. 250KN (25000kgf).
10. Compression Testing Machine Elect-Cum-Hand Cap. 500KN (50000kgf).
11. Compression Testing Machine Elect-Cum-Hand Cap. 1000KN (100000kgf).
12. Compression Testing Machine Elect-Cum-Hand Cap. 2000KN (200000kgf).
13. Compression Testing Machine Elect-Operated Cap. 3000KN (300000kgf).
14. Compaction Factor App.
15. Cylindrical Metal Measure 3,5,10,20,30 Ltr. Cap. (IS-2386/III).
16. Calorimeter IS-4031.
17. Capping Set Horizontal/ Vertical 15cms dia x30cms long specimen.
18. Concrete Permeability Test App. For 150mm Cubes , IS-1727, 2645, 2386.
19. Cement Mortar and Concrete Permeability App. IS-3085 for

"	100mm dia X100mm high specimen	Single Cell.
"	150mm dia X150mm high specimen	Single Cell.
"	100mm dia X150mm high specimen	Three Cell.
"	300mm dia X300mm high specimen	Single Cell.
23. Concrete Test Hammer Small in a Leather Case with Grinding Stone.
24. Concrete Core Cutting Machine Lab. and field Type.
25. Cement Autoclave.
26. Compressometer.
27. Concrete Mixer (Lab) Hand and Electrically Operated.
28. Deval Abrasion Machine IS-2386/IV
29. Dorry Abrasion Machine BS-812
30. Density Basket IS-2386 (Part III).
31. Flexure Testing Machine 10x10x50 and 15x15x70cms. Beams IS-516/59
32. Flexure Testing Machine Motorised.
33. Flow Table 76.2cms. Top. IS-1199, ASTM C-124.
34. Flow Table 76.2cms. Top. Motorised
35. Flow Table 25cms. Top. IS-5512.
36. Flow Table 25cms. Top. Motorised.
37. Flow Table 30cms Top IS-6932 (Part VII).
38. Gauging Trowel.
39. Gillmore Needle App. ASTM C-266.
40. Grinding and Polishing Machine.
41. Jolting App. IS-4031, ASTM-C-369.



LABORATORY JAW CRUSHER



HAMMER MILL
SIZE = 12"



CEMENT AUTOCLAVE
DIGITAL



Cement, Concrete & Aggregate Testing Equipments.

42. Jaw Crusher Lab Type.
43. Jack Hydraulic 10, 20, 30, 40, 50, 100, 200 Tons capacity..
44. Kelly Ball Penetration App.
45. Los Angeles Abrasion Testing Machine IS-2386/IV
46. Lateral Extensometer for 15cms dia X 30cms High Cylinders.
47. Length Gauge IS-2386/1.
48. Le-chetlier Mould IS-5514 and 4031
49. Moulds Cube 5cms., 7.06, 10, 15, 20, 30cms. Cast Iron with Base Plate.
50. Moulds Cube 5cms., 7.06cms and 10cms. Steel.
51. Moulds Cylindrical 10x20cms., 15x70 cms. Cast Iron.
52. Moulds Beam 10x10x50 and 15x15x70 cms. Cast Iron and Steel IS-516.
53. Moulds Briquette made of Gun Metal Single Gang.
54. Moulds Briquette Made of Gun Metal Three Gang.
55. Needle Vibrator.
56. Pulverizer Lab Type.
57. Pugmill.
58. Pozzolona Cement Mortar Permeability App. Six Cells. Model IS-5514 and 4031.
59. Slump Test app. Slump Cone.
60. Standard Cone App.
61. Southard Viscometer IS 6932 (Pt. VI).
62. Shrinkage Bar Mould with Two and Three Compartments.
63. Standard Spatula.
64. Tensile Strength Tester Hand and Motorised.
65. Tile abrasion Testing Machine IS/1237 and 1706.
66. Tile Flexure Strength Tester IS/654 and 1237.
67. Thickness Gauge.
68. Tamping Rod & Tamping Bar.
69. Timer.
70. Vee Bee Consistometer.
71. Vacuum Pump Single and Double Stage.
72. Vibrating Machine (Mould Vibrator) IS-4031.
73. Vibrating Table in different sizes.
74. Vicat Needle App. IS-5513 and also with Dashpot.



LAB. CEMENT AUTOCLAVE



PULVERIZER DISC = 7"



ROLL CRUSHER



JAW CRUSHER
SIZE = .4" X 6"



JAW CRUSHER
SIZE = 12" X 20"



Strength of Material Testing Machine (for Metals etc.).

1. Brinell Hardness Tester.
2. Cupping Testing Machine for Metals as per IS.
3. Fatigue Testing Machine.
4. Rockwell Hardness Tester.
5. Torsion Testing Machine for wire & Rods Hand/Elect.
6. Transverse Strength Testing Machine for Cast Iron Bars.
7. Universal Pendulum Impact Testing Machine for IZOD & CHARPY Tests.
8. Universal Spring Testing Machine for Compression and Tension Tests.
9. Universal Wood Testing Machine for compression , Bending, Shear and Tension Tests.
10. Universal Testing Machine for Compression, Tension, Bending etc.
11. Universal Tensile Testing Machine from 100 kgf to 10000kgf.

Foundry (Moulding) Sand Testing Equipments

1. Auto Sand Riddler.
2. Core Hardness Tester.
3. Drying Cabinet.
4. Flowability Indicator.
5. Green Compression testing Machine.
6. Green Hardness Tester.
7. Jolting Machine.
8. Permeability Meter, Core Permeability Tube.
9. Rapid Sand Washer.
10. Rotap Sieve Shaker with Timer.
11. Sand Rammer.
12. Split Specimen Tube.
13. Sieves Shaker.
14. Sand Sampler.
15. Sand Mixer (Lab).
16. Speedy Moisture Meter.
17. Sand Specimen Dryer.
18. Sand Hydrometer.
19. Sand Testing Sieves.
20. Triple Beam Balance.
21. Torsion Balance Moisture Meter.
22. Universal Sand Strength Meter.



TILE ABRASION TESTING MACHINE



PENDULUM IMPACT TESTING MACHINE FOR PLASTIC



Bitumen, Fuel, Tar Testing Machines

1. Able's Flash Point Test App.
2. Bomb Calorimeter.
3. Bitumen Penetrometer.
4. Benkelmen Beam App.
5. Cleveland Flash & Fire Point Test App.
6. Cutback Distillation Test App.
7. Centrifuge Extractor both Hand & Electrically Operated.
8. Ductility Testing Machine.
9. Engler Viscometer.
10. Float Test App.
11. Grease Worker.
12. Hubbard Field App.
13. Haveem Stabilometer.
14. Haveem Cohensimeter.
15. Kneading Mixer and Compactor.
16. Marshall Stability Testing App.
17. Moisture Determination App.
18. Pensky Martin Flash Point Test App.
19. Red Wood Viscometer No. 1 and 2.
20. Ring & Ball App.
21. Saybolt Viscometer.
22. Standard Tar Viscometer.
23. Smith Triaxial Test App.

Testing Machines for Plastic, Rubber, Leather, Paper, Timber Paint etc.

1. Compression Set App. Constant Stree Type.
2. Compression Set. App. ASTM Method B.
3. Density Balance.
4. Demattia Flex Tester.
5. Du- Pont Croydon Tester.
6. Dumbell Cutter.
7. Fatigue Tester.
8. Plastimeter.
9. Permeability Tester.
10. Resilience Tester.
11. Ross Flex Tester.
12. Shore A Hardness Tester Least Count 1 Shore.
13. Shore C Hardness Tester Least Count 2 Shore.
14. Shore D Hardness Tester Least Count 2 Shore.
15. Specimen Cutting Press.
16. Thickness Gauge as per IS-3400 or ASTM Specifications.
17. Tensil Testing Machine Cap. 250 kgf and 500 kgf.
18. Paper Testing Machine.
19. Wood Testing Machine.
20. Paint Testing Machine.
21. Plastic & rubber Testing Machine.
22. Leather Testing Machine.
23. Carbon & Sulphur Determinator.

1. Dial Gauge.
2. Pressure Gauge.
3. Furnaces.
4. Glassware.
5. Hot Air Oven.
6. Humidity Cabinet.
7. Incubators.
8. Survey Equipments.
9. Thermometers.



**GYRATORY SIEVE SHAKER
DIGITAL TIMER FULLY COVER BODY**



**GYRATORY SIEVE SHAKER
WITH TIMER**



**GYRATORY SIEVE SHAKER
WITH ADAPTER 18" 12" 8"**



**HAND SIEVE SHAKER
SIZE = 12" X 18"**



**WET SIEVE SHAKER
DOUBLE SET**





CUBE MOULDS

SIZE :-

5 X 5 X 5 cm

7.06 X 7.06 X 7.06 cm

10 X 10 X 10 cm

15 X 15 X 15 cm

Prem Sethi





RAJCO SCIENTIFIC & ENGG. PRODUCTS

**Mfrs of : Material Testing Equipments for Soil Cement, Concrete,
Aggregates, Rock, Survey, Foundry & General Laboratories Utilities**

Regd. Office:

Mr. P. K. Sethi +(91)-9810293322
Phone: +(91)-(11)-25130328/25595857/25529384
36/1, Ground Floor, Ashok Nagar
New Delhi, Delhi - 110 018, India

e-mail : rajco@nda.vsnl.net.in
Website : www.rajcoscientific.com

Authorised Dealer
