

MATERIAL TESTING EQUIPMENTS



LABTEST
Lifeline of Construction Industry

Zeal International is a leading pioneer for manufacturing & supply of Testing Equipment for construction building material since 1996. Always having a wide vision to Develop & Design equipments with modern technique a team of engineers are on continual endeavor & innovation. Zeal is exporting its equipment in the brand name "LABTEST" to around 42 countries directly & also through authorize dealers and representatives. We also supply Special purpose machine adhering to International Specification such as (BS En, ASTM, AASHTO, DIN, NF, IP, BIS). Apart from our wide range of equipments such as Soil Testing in the Field; Lab Tests for Soil; Geo-technical testing; Fresh Concrete Testing or Strength Testing; NDT for Concrete; Cement Testing; Asphalt Testing; Testing Aggregate properties, Steel Testing & General Laboratory Equipment. The Company follows the Standard Quality Management System as mandated for its registration with ISO 9001:2008 certificate. Our main clientele consist of major Construction companies carrying our Road & Highway construction, commercial buildings & high scrapers, Rail Infrastructure & Bridges, Oil & Gas, Dams & Hydro Projects, Civil Engineering Colleges, Mining Industry & Irrigation sectors.

Zeal International is always engrossed to give its clients continuous sales and service support as this had always been an investment to build a brand value in both domestic and international markets. All products are carefully handled through our quality management system to meet it as per standard specifications. Testing and calibration at each step is performed before final packing and dispatch from our warehouse to the designated consignees. Since inception, what has changed, is the diversification of our Product Range. What hasn't changed, however is our commitment to precision and quality, because every micron counts in our business! We hereby proudly present the 10th Edition of detailed user-friendly Catalogue including New Sections with Additional Products.

ZEAL INTERNATIONAL – Commitment To Its Customers

The name Zeal International is recognized throughout the World for its pioneering work in the range of Material Test Equipments.

Our Unique Services Include:

Advanced Design and Development to the Highest Quality, full Technical Advice and Support on Customer's Requirements, Equipment Quality and Timely Deliveries at an Affordable Price.

Delivery

With heavy Inventory & readily available stock, it makes it easier for our Clients to order at the time of urgencies, breakdowns at their sites / Laboratories. We maintain large Inventory on most Products listed in the Catalogue...and that means that, in most cases, we can Ship as we get Your Order.



ZEAL INTERNATIONAL

Delivering World Class

Material Testing Equipments

Globally...

QUALITY POLICY

Zeal International is committed to provide Quality Equipments as per the International Standards and also the requirements of its customers and shall ensure their satisfaction at all times through continual improvement with the effectiveness of Quality Management System.

MISSION

To provide a Standardized & Environment Friendly Equipment with the Perfect Blend of Quality, Pricing, Packaging, Delivery & its After Sales Support.

OBJECTIVE & MOTTO

Zeal International's Dedication towards its Customers is the Rich Heritage of the Company which continues today and will be fostered in future as well.

VISION & MISSION

Both Customer & Vendor Satisfaction makes an equilibrium in the market

Expand clientele base & dealer / representative network in both domestic & international markets

To be in the Top 5 companies in Material Testing Industry In India in next 5 years

LABTEST

02 CEMENT

ZI 1000

06 CONCRETE

ZI 2000

14 SOIL

ZI 3000

23 BITUMEN / ASPHALT

ZI 4000

27 AGGREGATE

ZI 5000

30 ROCK

ZI 6000

32 STEEL

ZI 7000

33 SAFETY & SURVEY

ZI 8000

36 GENERAL LABORATORY EQUIPMENTS

ZI 9000

42 GEOPHYSICAL TESTING INSTRUMENTS

ZI 10000

45 OIL & PETROLEUM

ZI 11000

46 NEW PRODUCTS

CEMENT

Cement Sampler



ZI 1001
Sampler

Blaine's Air Permeability Apparatus



ZI 1002
Fineness

Digital Blaine Air Permeability Apparatus



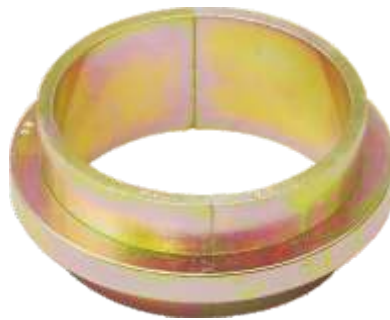
ZI 1003
Fineness

Vicat Needle Apparatus With Dashpot



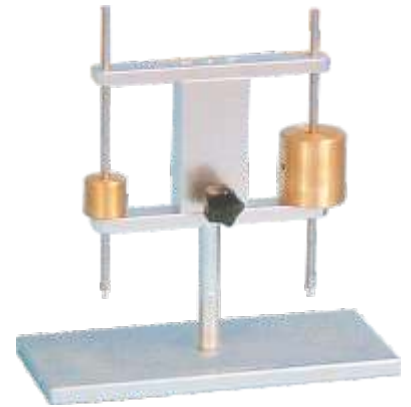
ZI 1004
Fineness

Ring Mould



ZI 1005
Fineness

Gillmore Needle Apparatus



ZI 1006
Fineness

Flow Table



ZI 1007
Flow and Workability
of Mortar & Lime

Flow Table (Motorised)



ZI 1008
Flow and Workability
of Mortar & Lime

Flow Table



ZI 1009
Flow and Workability
of Mortar & Lime

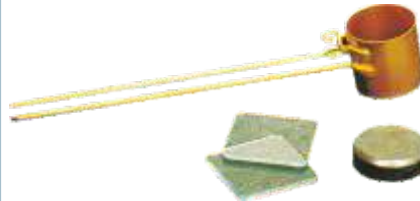
Flow Table (Motorised)



ZI 1010

Flow and Workability of Mortar & Lime

Le Chatelier Mould



ZI 1011

Soundness of Cement and Hydrated Lime

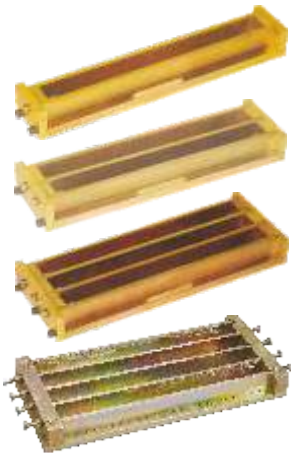
Le Chatelier Flask



ZI 1012

Soundness of Cement and Hydrated Lime

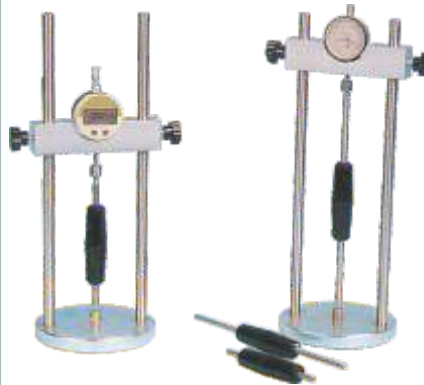
Shrinkage Bar Mould



ZI 1013-A: One Gang ZI 1013-B: Two Gang
ZI 1013-C: Three Gang ZI 1013-D: Four Gang

Soundness of Cement and Hydrated Lime

Length Comparator



ZI 1014

Soundness of Cement and Hydrated Lime

Volume Change Apparatus



ZI 1015

Soundness of Cement and Hydrated Lime

Laboratory Cement Autoclave



ZI 1016

Soundness of Cement and Hydrated Lime

Heat Of Hydration Apparatus



ZI 1017

Soundness of Cement and Hydrated Lime

Tensile Strength Tester (Electrically Operated)



ZI 1018

Tensile and Flexural Strength

CEMENT

Briquette Mould



Single Gang ZI 1019



Three Gang ZI 1020

Tensile and Flexural Strength

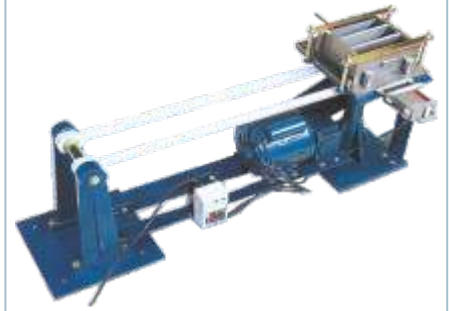
Standard Spatula



ZI 1021

Tensile and Flexural Strength

Jolting Apparatus



ZI 1022

Moulding & Sample Preparation

Prism Mould Three Gang



ZI 1023

Moulding & Sample Preparation

Mortar Mixer



ZI 1024

Moulding & Sample Preparation

Fully Automatic Mortar Mixer



ZI 1025

Moulding & Sample Preparation

Vibrating Machine



ZI 1026

Moulding & Sample Preparation

Gauging Trowel



ZI 1027

Moulding & Sample Preparation

Plunger Penetration Apparatus



ZI 1028

Building Lime, Grout and Mud Testing

Apparatus for
Reactivity of Quicklime



ZI 1029

Building Lime, Grout
and Mud Testing

Slaking Vessel



ZI 1030

Building Lime, Grout
and Mud Testing

Marsh Funnel with
Measuring Cup



ZI 1031

Building Lime, Grout
and Mud Testing

Sand Content Kit



ZI 1032

Building Lime, Grout
and Mud Testing

Bentonite Slurry Sampler
50 Meters



ZI 1033

Building Lime, Grout
and Mud Testing

Mud Balance



ZI 1034

Building Lime, Grout
and Mud Testing

Flow Cone



ZI 1035

Building Lime, Grout
and Mud Testing

Wet Sieving Apparatus



ZI 1036

Cement Compression
/ Flexure

Automatic Cement Compression
& Flexure Testing Machines



ZI 1037

Cement Compression
/ Flexure

CONCRETE

Vee Bee Consistometer



ZI 2001

Consistency & Workability

Slump Test Apparatus



ZI 2002B

ZI 2002

Consistency & Workability

Slump Cone, Plastic



ZI 2003

Consistency & Workability

K-Slump Tester



ZI 2004

Consistency & Workability

Chase Air Indicator



ZI 2005

Consistency & Workability

Kelley Ball Penetration Apparatus



ZI 2006

Consistency & Workability

Compaction Factor Apparatus



ZI 2007

Consistency & Workability

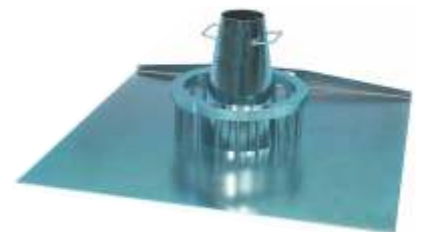
Initial Surface Absorption Test (ISAT) Apparatus



ZI 2008

Consistency & Workability

J-Ring, Narrow Gap



ZI 2009

Consistency & Workability

Concrete Flow Table Test Set



ZI 2010

Consistency & Workability

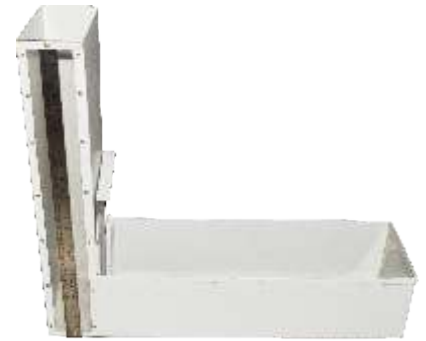
V Funnel



ZI 2011

Consistency & Workability

L Shape Box Apparatus



ZI 2012

Consistency & Workability

U Shape Box Apparatus



ZI 2013

Consistency & Workability

Pocket Concrete Penetrometer



ZI 2014

Penetration

Mortar Penetrometer



ZI 2015

Penetration

Bleeding of Freshly Mixed Concrete



ZI 2016

Mixing Equipment

Laboratory Concrete Mixer (Motorised)



ZI 2017

Mixing Equipment

Laboratory Pan Mixer (Capacity 40 Ltrs.)



ZI 2018

Mixing Equipment

CONCRETE

Labomix Concrete Pan Mixer



ZI 2019

Mixing Equipment

Tamping Rod



ZI 2020

Mixing Equipment

Tamping Bar



ZI 2021

Mixing Equipment

Straight Edge



ZI 2022

Mixing Equipment

Verification of Flatness, Perpendicularity, Straightness and Dimension of Moulds and Specimens



ZI 2023

Mixing Equipment

Cube Mould (Metal)



ZI 2024

Moulding Equipment

Cylindrical Mould



ZI 2025

Moulding Equipment

Beam Mould



ZI 2026

Moulding Equipment

Cube Moulds (Plastic)



ZI 2027

Moulding Equipment

Cylindrical Mould (Plastic)



ZI 2028

Moulding Equipment

Beam Mould (Plastic)



ZI 2029

Moulding Equipment

Gun for Mould



ZI 2030

Moulding Equipment

Stopper For Plastic Cube Mould



ZI 2031

Moulding Equipment

Filling Hopper for Mould



ZI 2032

Moulding Equipment

Cube Mould, Plastic



ZI 2033

Cube Mould, Three Gang ZI 2034



Moulding Equipment

Concrete Curing Racks



ZI 2035

Moulding Equipment

Cube and Cylinder Lifting Handle



ZI 2036

ZI 2037

Moulding Equipment

Test Cylinder Carrying Case



ZI 2038

Moulding Equipment

CONCRETE

Cylinder Carrier



ZI 2039

Moulding Equipment

Grout Sample Box



ZI 2040

Moulding Equipment

Concrete: Pad Caps and Retainer Rings



ZI 2041

Capping

Capping Set (Horizontal)



ZI 2042

Capping

Capping Set (Vertical)



ZI 2043

Capping

Melting Pot



ZI 2044

Capping

Curing Tank



ZI 2045

Curing

Poker Vibrator
(with Vibrating Table)



ZI 2046

Concrete Compaction

Vibrating Table



ZI 2047

Concrete Compaction

**DLC Vibrating Hammer
for Concrete Moulds**



ZI 2048

Concrete Compaction

**De-Mountable Mechanical
Strain Gauge**



ZI 2049

Test on Hardened Concrete

Lateral Extensometer



ZI 2050

Test on Hardened Concrete

Longitudinal Compressometer



ZI 2051

Test on Hardened Concrete

**Sand Absorption Cone
and Tamper**



ZI 2052

Density of Concrete

**Density of Fresh
and Hardened Concrete**



ZI 2053

Density of Concrete

**Compression Testing Machine
(Channel Type Load Frame)
Hand Operated**



ZI 2054

**Compression &
Flexural Strength**

**Compression Testing Machine
(Four Pillar) Hand Cum
Electrical Operated**



ZI 2055

**Compression &
Flexural Strength**

Flexure Testing Machine



ZI 2056

**Compression &
Flexural Strength**

CONCRETE

Hand Operated Flexural Testing Machine 250 kN



ZI 2057

Compression & Flexural Strength

Flexural Frame 100 kN



ZI 2058

Compression & Flexural Strength

Semi Automatic Compression Testing Machine



Digital Load Indicator ZI 2059-I

ZI 2059

Compression & Flexural Strength

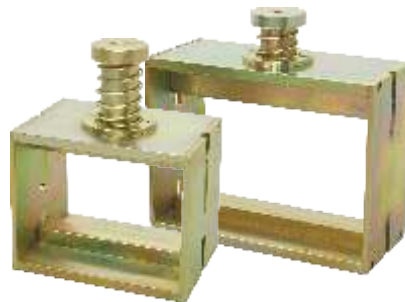
Fully Automatic Compression Testing Machine



ZI 2060

Compression & Flexural Strength

Compression and Flexural Testing Machines Splitting Tensile Test Device



ZI 2061

Compression & Flexural Strength

Hydraulic Jacks



ZI 2062

Compression & Flexural Strength

Permeability Apparatus (Three Cell Model)



ZI 2063

Permeability

Rapid Chloride Permeability Tester



ZI 2064

Permeability

B Type Air Entrainment Meter



ZI 2065

Air Entrainment

Air Entrainment Meter



ZI 2066

Air Entrainment

Crack Width Ruler



ZI 2067

Non Destructive Testing

Concrete Test Hammer (Schmidt Hammer) N Type



ZI 2068

Non Destructive Testing

Electronic Concrete Test Hammer (Schmidt Hammer)



ZI 2069

Non Destructive Testing

Testing Anvil For Mechanical & Electronic Hammer



ZI 2070

Non Destructive Testing

Ultrasonic Pulse Velocity Tester



ZI 2071

Non Destructive Testing

Digital Pull-Off Adhesion Tester



ZI 2072

Non Destructive Testing

Crack Microscope



ZI 2073

Non Destructive Testing

Digital Concrete Test Hammer



ZI 2074

Non Destructive Testing

SOIL

Plastic Limit Set



ZI 3001

Shrinkage Limit of Soil

Shrinkage Limit Set



ZI 3002

Shrinkage Limit of Soil

Linear Shrinkage Mould



ZI 3003

Shrinkage Limit of Soil

Soil Cone Penetrometer



ZI 3004

Index Properties of Soil

Semi Automatic Cone Penetrometer



ZI 3005

Index Properties of Soil

Liquid Limit Device with Counter



ZI 3006

Index Properties of Soil

Liquid Limit Device (Motorised)



ZI 3007

Index Properties of Soil

High Speed Stirrer



ZI 3008

Grain Size Analysis

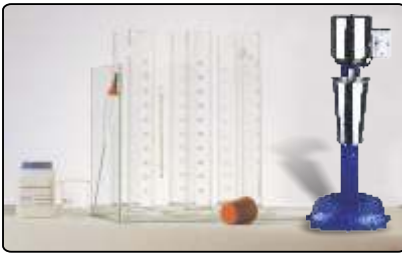
Grain Size Analysis (Pipette Method)



ZI 3009

Grain Size Analysis

**Particle Size Sedimentation
(Hydrometer Method)**



ZI 3010

Grain Size Analysis

Soil Hydrometer



ZI 3011

Grain Size Analysis

Sand Equivalent Test Set



ZI 3012

Grain Size Analysis

Methylene Blue Test Set



ZI 3013

Grain Size Analysis

**Motorised Sand
Equivalent Shaker**



ZI 3014

Grain Size Analysis

Plummet Balance



ZI 3015

Grain Size Analysis

Standard Compaction Test



ZI 3016

**Water Content &
Dry Density of Soil**

Standard Compaction Test



ZI 3017 - BS 1377-4,1924-2
ZI 3018 - ASTM D 558, D698

**Water Content &
Dry Density of Soil**

Heavy Compaction Test



ZI 3019 - ASTM D 558, D698
ZI 3020 - IS 2720 (PART-VIII)

**Water Content &
Dry Density of Soil**

SOIL

Automatic Soil Compactor



ZI 3021

Water Content & Dry Density of Soil

Proctor Needles (Spring Type)



ZI 3022

Soil Penetrometers

Pocket Pentrometer



ZI 3023

Soil Penetrometers

Vicksberg Pentrometer (Proving Ring Type)



ZI 3024

Soil Penetrometers

Water Level Indicator



ZI 3025

Soil Sampling

Dynamic Cone Penetrometer



ZI 3026

Soil Sampling

Speedy Moisture Meter (D2 Large)



ZI 3027

Moisture Meter

Rapid Moisture Meter



ZI 3028

Moisture Meter

Infrared Moisture Meter



ZI 3029

Moisture Meter

Permeability Apparatus
(Falling Head Permeability)



ZI 3030

Soil Permeability

Universal Permeability



ZI 3031

Soil Permeability

Soil Permeability 75 MM



ZI 3032

Soil Permeability

Sand Pouring Cylinder



ZI 3033

Field Density

Sand Pouring Cylinder



ZI 3034

Field Density

Sand Density Cone Apparatus



ZI 3035

Field Density

Core Cutter



ZI 3036

Field Density

Pycnometers



ZI 3037

Specific Gravity

Density Bottle
(Gay-Lussac Type)



ZI 3038

Specific Gravity

SOIL

Particle Density by Gas Jar Method (End-Over-End Shaker)



ZI 3039

Specific Gravity

Relative Density Test



ZI 3040

Relative Density

Soil Testing Kit



ZI 3041

Testing Kits

Water Testing Kit



ZI 3042

Testing Kits

Colour Standard Chart



ZI 3043

Testing Kits

Earth Resistivity Meter



ZI 3044

Testing Kits

Universal Extruder Frame Hydraulic



ZI 3045

Extraction & Sample Preparation

Extractor Frame Universal (Screw Type)



ZI 3046

Extraction & Sample Preparation

Soil Trimmer (Hand Operated)



ZI 3047

Extraction & Sample Preparation

Constant Volume Mould



ZI 3048

Extraction & Sample Preparation

Consolidation Apparatus (Single Gang)



ZI 3049

Consolidation

Consolidation Apparatus (Front Loading Type)



ZI 3050

Consolidation

Consolidation Cells (Floating)



ZI 3051

Consolidation

Consolidation Apparatus (Electronic Bench Model)



ZI 3053

Also Available: Consolidation Apparatus (Three Gang Model) ZI 3052

Consolidation

Digital Direct / Residual / Shear Apparatus



ZI 3054

Direct Shear Apparatus

Direct Shear (Motorised Twelve Speed)



ZI 3055

Direct Shear Apparatus

Unconfined Compression Tester (Motorised)



ZI 3056

Unconfined Compression Testing

Triaxial Cell



ZI 3057

Triaxial Test (Cell & Setup)

SOIL

**Pore Pressure Apparatus
10 Kg/cm²**



ZI 3058

Also Available: Pore Pressure Apparatus 20 KG/CM² ZI 3059

Triaxial Test (Cell & Setup)

Volume Change Gauge



ZI 3060

Triaxial Test (Cell & Setup)

Dead Weight Type Oil & Water Constant Pressure System



ZI 3061

Triaxial Test (Cell & Setup)

**Lateral Pressure Assembly
10kg / cm²**



ZI 3062

Triaxial Test (Cell & Setup)

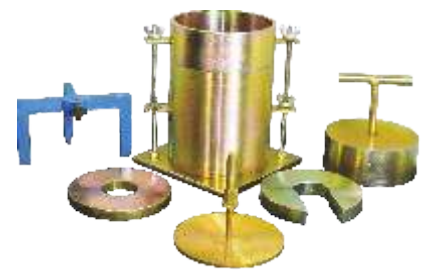
**Load Frame, Motorised
30 Speeds**



ZI 3063

Triaxial Test (Cell & Setup)

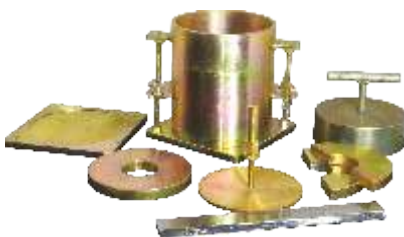
California Bearing Ratio Apparatus (ASTM Version Mould)



ZI 3064

California Bearing Ratio

California Bearing Ratio Apparatus (BS Version Mould)



ZI 3065

California Bearing Ratio

Laboratory California Bearing Ratio Apparatus, Motorised



ZI 3066

California Bearing Ratio

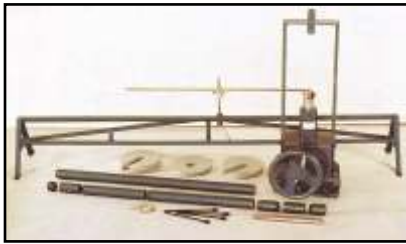
Automatic CBR Test Apparatus



ZI 3067

California Bearing Ratio

California Bearing Ration Test (Field Type)



ZI 3068

California Bearing Ratio

Swell Test Apparatus



ZI 3069

California Bearing Ratio

Auger Posthole Type



ZI 3070

Sampling Augers

Sampling Tubes



ZI 3071

Sampling Augers

Split Spoon Sampler



ZI 3072

Also Available: Split Spoon Sampler with Liner ZI 3073

Portable Aluminium Derric with Pulley ZI 3074

Static Cone Penetration Test

Drop Hammer and Guide Pipe Assembly



ZI 3075

Static Cone Penetration Test

Laboratory Vane Shear Apparatus (Motorised)



ZI 3076

Vane Shear

Pocket Vane Shear Apparatus



ZI 3077

Vane Shear

In-Situ Vane Shear Test



ZI 3078

Vane Shear

SOIL

**G. I. Frame Sieves
300 & 450 Mm Dia
(powder Coated)**



ZI 3079

Test Sieves

**Brass Frame Sieves
100, 200, 300 & 450 MM Dia.**



ZI 3080

Test Sieves

Sieve Shaker 'Rotap'



ZI 3081

Sieve Shaker

Sieve Shaker 'Gyratory'



ZI 3082

Sieve Shaker

Wet Sieve Shaker



ZI 3083

Sieve Shaker

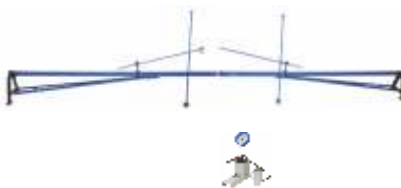
Sieve Brushes



ZI 3084

Sieve Shaker

Plate Bearing Test



ZI 3085

Plate Load Test

Light Weight Deflectometer



ZI 3086

Light Weight Deflectometer

Integral Proving Rings



ZI 3087

Load Rings

Ring And Ball Apparatus



ZI 4001

Softening Point

Ring and Ball Apparatus (Electrical)



ZI 4002

Softening Point

Ring and Ball Apparatus (Semi Automatic)



ZI 4003

Softening Point

Fraass Breaking Point Apparatus



ZI 4004

Distillation

Water In Bituminous Material (Dean-Stark)



ZI 4005

Distillation

Distillation for Cut Back Bitumen



ZI 4006

Distillation

Standard Penetrometer



ZI 4007

Penetration

Digital Penetrometer



ZI 4008

Penetration

Semi-Automatic Penetrometer



ZI 4009

Penetration

Reflux Extractor 4000 Gms



ZI 4010

Crushing & Grinding

Hardness Tester for Mastic Asphalt



ZI 4011

Crushing & Grinding

Stripping Value Apparatus



ZI 4012

Crushing & Grinding

Centrifuge Extractor (Hand Operated)



ZI 4013

Binder Extraction

Centrifuge Extractor (Motorised)



ZI 4014

Binder Extraction

Centrifuge Extractor (Motorised)



ZI 4015

Binder Extraction

Filterless Centrifuge Extractor



ZI 4016

Binder Extraction

Kinematic Viscometer Bath



ZI 4017

Viscosity

Solvent Recovery Unit



ZI 4018

Viscosity

Say Bolt Viscometer



ZI 4019

Viscosity

Saybolt Two-Tube Digital Viscometer



ZI 4020

Viscosity

Standard Tar Viscometer



ZI 4021

Viscosity

Marshall Stability Test Apparatus



ZI 4022

Paving Mix Tests, Marshall Stability & Compaction

Automatic Marshall Stability Test Machine



ZI 4023

Paving Mix Tests, Marshall Stability & Compaction

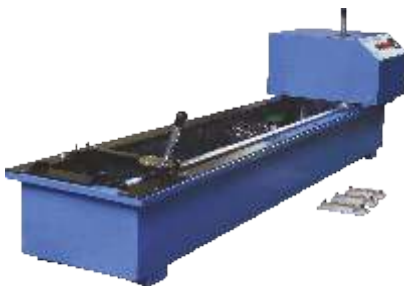
Mixer with Heating Jacket



ZI 4024

Paving Mix Tests, Marshall Stability & Compaction

Ductility Testing Apparatus



ZI 4025

Ductility

Refrigerated Ductility Test



ZI 4026

Ductility

Elastic Recovery Mould



ZI 4027

Ductility

Straight Edge (3 Meters)



ZI 4028

Surface Regularity

Travelling Beam Device



ZI 4029

Surface Regularity

Benkelman Beam



ZI 4030

Flexure

Pavement Core Drilling Machine



ZI 4031

Core Drilling

Automatic Compactor for Bituminous Mixes



**PRD Mould
BS 590:10**

ZI 4033

ZI 4032

Compaction

Loss On Heating / Thin Film Oven



ZI 4034

Asphalt Ovens

Asphalt Content Tester



ZI 4035

Asphalt Ovens

Rolling Thin Film Oven



ZI 4036

Asphalt Ovens

Asphalt Mixer Theoretical Density Meter



ZI 4037

Asphalt Density

Thickness Gauge



ZI 5001

Determination of Flakiness

Length Gauge



ZI 5002

Determination of Flakiness

Grid Sieves



ZI 5003

Determination of Flakiness

Flakiness Sieve Set



ZI 5004

Determination of Flakiness

Shape Index Caliper



ZI 5005

Determination of Flakiness

**Index Apparatus
(Flow Coefficient of Fine
Aggregates)**



ZI 5006

Determination of Flakiness

Average Least Dimension



ZI 5007

Determination of Flakiness

Cylindrical Measures



ZI 5008

Bulk Density, Voids & Bulking

Density Basket



ZI 5009

Bulk Density, Voids & Bulking

AGGREGATE

Specific Gravity and Water Absorption of Aggregates



ZI 5010

Specific Gravity and Water Absorption

Riffle Sample Divider



ZI 5011

Sampling

Riffle Sample Divider



ZI 5012

Sampling

Sample Splitter



ZI 5013

Sampling

Aggregate Crushing Value Apparatus



ZI 5014

Mechanical Properties of Aggregates

Aggregate Impact Tester with Blow Counter



ZI 5015

Mechanical Properties of Aggregates

Accelerated Polishing Machine



ZI 5016

Mechanical Properties of Aggregates

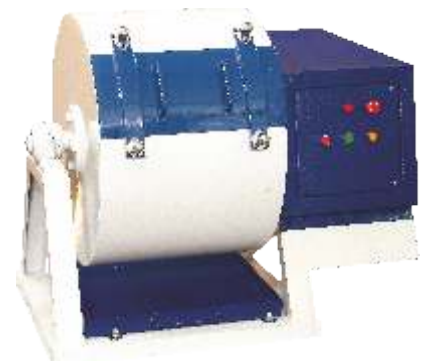
Skid Resistance and Friction Tester Standard



ZI 5017

Mechanical Properties of Aggregates

Los Angeles Abrasion Testing Machine



ZI 5018

Abrasion Testing

**Digital Los Angles
Abrasion Testing Machine**



ZI 5019

Abrasion Testing

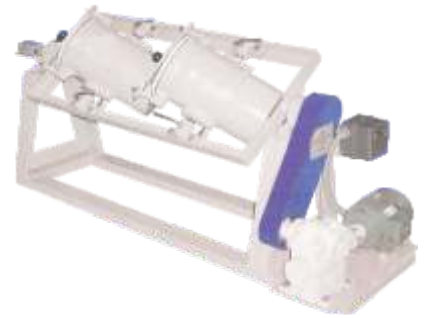
**Dorry Abrasion
Testing Machine**



ZI 5020

Abrasion Testing

Deval Attrition Tester



ZI 5021

Abrasion Testing

Jaw Crusher



ZI 5022

Crushing and Grinding

Pulveriser



ZI 5023

Crushing and Grinding

Tile Abrasion Testing Machine



ZI 5024

Tile Abrasion

Freezing and Thawing Chamber



ZI 5025

**Thermal and
Weathering Properties**

Micro-Deval Apparatus EN



ZI 5026

**Mechanical Properties
of Aggregates**

Micro-Deval Apparatus ASTM



ZI 5027

**Mechanical Properties
of Aggregates**

ROCK

Core Cutting/Core Drilling Machine (Petrol)



ZI 6001

Coring and Cutting

Portable Core Cutting Drilling Machine Petrol Driven



ZI 6002

Coring and Cutting

Core Cutting / Core Drilling Machine (Motorised)



ZI 6003

Coring and Cutting

Rock/Concrete Cutting Machine



ZI 6004

Coring and Cutting

Asphalt & Concrete Floor Saw



ZI 6005

Coring and Cutting

Core Cutting Grinding Machine



ZI 6006

Sample Preparation

Polishing & Lapping Machine



ZI 6007

Sample Preparation

Automatic Grinding machine



ZI 6008

Sample Preparation

Point Load Index Tester



ZI 6009

Strength Index

Digital Point Load Test Apparatus



ZI 6010

Strength Index

Brazillian Test Apparatus



ZI 6011

Strength Index

Slake Durability Apparatus



ZI 6012

Strength Index

Rock Bolt Pull Out Test Apparatus



ZI 6013

Pull Out Test

**Load Frame for Universal Compression Test of Rocks
12 Speed 200 kN**



ZI 6014

Rock Strength

Hoek Triaxial



ZI 6015

Deformability

Digital Rebar Pull-Out Force Tester



ZI 6016

Pull Out Test

Automatic Uniaxial & Triaxial Testing Machine



ZI 6017

Triaxial Testing System

Compression Jig Assembly for Rock Core Specimens



ZI 6018

Triaxial Testing System

STEEL

Hydraulic Computerized UTM



ZI 7001

Universal Testing Machine

Torsion Testing Machine



ZI 7002

Torsion Testing Machine

Rockwell Hardness Tester



ZI 7003

Hardness Tester

Brinell Hardness Tester



ZI 7004

Hardness Tester

Charpy Impact Tester



ZI 7005

Impact Tester

Fatigue Testing Machine



ZI 7006

Fatigue Testing Machine

Tensile Testing Machine



ZI 7007

Tensile Testing Machine

Metallurgical Inverted Microscope



ZI 7008

Metallurgical Lab

Double Disc Polishing Machine
ZI 7009



ZI 7010

Specimen Mounting Press

Metallurgical Lab

Scaffold Poly Clip



ZI 8001

Safety Equipments

Round Post Hole Form



ZI 8002

Safety Equipments

Square Hole Form



ZI 8003

Safety Equipments

Corner Guard



ZI 8004

Safety Equipments

Impalement Safety Covers



ZI 8005

Safety Equipments

Protective Caps for Rebar, Pipe, Bolts



ZI 8006

Safety Equipments

Safety Helmet



ZI 8007

Safety Equipments

Safety Cone



ZI 8008

Safety Equipments

Electronic Theodolite



ZI 8009

Survey Equipments

Total Station



ZI 8010

Survey Equipments

Total Station Builder



ZI 8011

Survey Equipments

Laser Distance Meter



ZI 8012

Survey Equipments

Automatic Level



ZI 8013

Survey Equipments

Automatic Level



ZI 8014

Survey Equipments

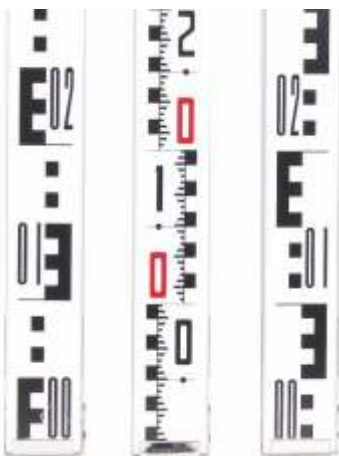
Automatic Level



ZI 8015

Survey Equipments

Levelling Staves



ZI 8016

Survey Equipments

Range Pole



ZI 8017

Survey Equipments

Prism with Pole



ZI 8018

Survey Equipments

Aluminium Tripod



ZI 8019

Survey Equipments

Wooden Tripod



ZI 8020

Survey Equipments

GPS System



ZI 8021

Survey Equipments

Planimeter



ZI 8022

Survey Equipments

Geological Hammer



ZI 8023

Survey Equipments

Brunton Compass



ZI 8024

Survey Equipments

Prismatic Compass



ZI 8025

Survey Equipments

Plane Table Set



ZI 8026

Survey Equipments

Reflectorless Total Station

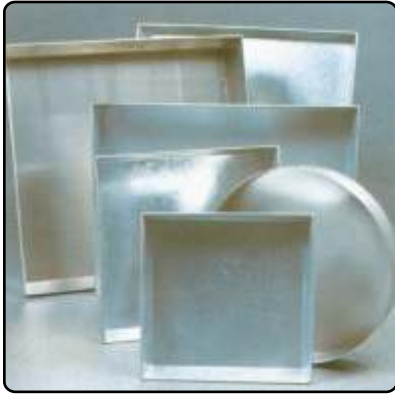


ZI 8027

Survey Equipments

GENERAL LABORATORY EQUIPMENTS

Sample Trays



ZI 9001

Measuring Tapes



ZI 9002

Graduated Measuring Jars



ZI 9003

Funnels and Flasks



ZI 9004

Moisture Tins



ZI 9005

Enamel Trays



ZI 9006

Sampling Bowls



ZI 9007

Stand, Bossheads & Clamps



ZI 9008

Laboratory Scoops



ZI 9009

Water Bath (6 Holes)



ZI 9010

Universal Water Bath (Serological Type)



ZI 9011

Digital Universal Water Bath (Serological Type)



ZI 9012

Laboratory Oven



ZI 9013

Digital Double Door Drying Oven



ZI 9014

Hot Plate (Circular)



ZI 9015

Hot Plate (Rectangular)



ZI 9016

Heating Mantle



ZI 9017

Vaccum Pump



ZI 9018

GENERAL LABORATORY EQUIPMENTS

Humidity Chamber



ZI 9019

Humidity Chamber



ZI 9020

Humidity Chamber Cooling (Side Panel)



ZI 9021

Muffle Furnace



ZI 9022

Laboratory Incubator



ZI 9024

Pipette and Burette



ZI 9025



Evaporating Dishes

ZI 9026

Laboratory Thermometers



ZI 9027

Dial Thermometer



ZI 9028

Room Thermometer



ZI 9029

Maximum & Minimum Thermometers



ZI 9030

Digital Temperature Humidity Meter



ZI 9031

Electronic Thermometer



ZI 9032-A

ZI 9032-B

Dial Gauge



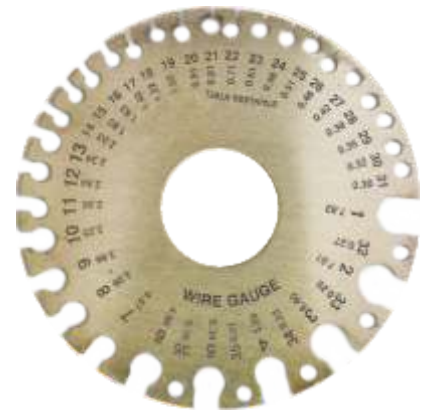
ZI 9033

Digital Dial Gauge



ZI 9034

Disc Type Wire Gauge



ZI 9035

Digital Vernier Caliper



ZI 9036

Daily Rain Gauge



ZI 90137

Tripod Stand



ZI 9038

GENERAL LABORATORY EQUIPMENTS

Rubber Tubing



ZI 9039

Mortar & Pestle (Porcelain)



ZI 9040

Spatulas



ZI 9041

Fume Hood Cabinet



ZI 9042

Triple Beam Balance with Vernier



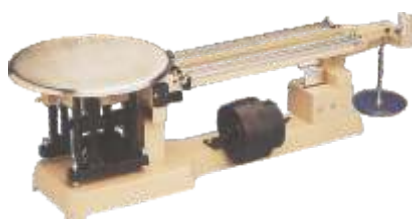
ZI 9043

Triple Beam Balance



ZI 9044

Heavy Duty Balance



ZI 9045

Electronic Balance



ZI 9046

pH Tester



ZI 9047

TDS Meter



ZI 9048

Filter Paper



ZI 9049

pH Paper



ZI 9050

Plastic Wash Bottles



ZI 9051

Hand Gloves



ZI 9052

Trowels



ZI 9053

Brushes



ZI 9054

ZI 9054

Tool Kit



ZI 9055

Laboratory Trolley



ZI 9056

GEOPHYSICAL TESTING INSTRUMENTS

Exploration Seismograph
GEA-24



ZI 10001

Exploration Seismograph
ANTCO



ZI 10002

Exploration Seismograph
GEA-3



ZI 10003

Exploration Seismograph
16524-P



ZI 10004

Land Vertical Geophones
4.5 Hz Vert.



ZI 10002

Horizontal Geophones
4.5 Hz



ZI 10003

Borehole 3D Geophones
GFA 50/100



ZI 10004

3D Land Geophone
-HVSR-MASW-Holisurface
GEMINI 2 Hz



ZI 10005

Energizer



ZI 10006

**Resistivity Meter
with Multi Electrode**



ZI 10010

**Earth Resistivity Meter
16 GL-N**



ZI 10011

**TDS MetEarth resistivity
/ Rechargeable Accumulator
P-100-2-N**



ZI 10012

Well Camera - 1



ZI 10013

Well Camera - 2



ZI 10014

Water Level Meter - BFK



ZI 10015

Water Level Meter WM5-02



ZI 10016

**Water Oil Interface
Interfaccia Acqual Olio**



ZI 10017

Borehole Inclination Tester



ZI 10018

GEOPHYSICAL TESTING INSTRUMENTS

Pile Echo Tester



ZI 10019

Cross Hole Ultrasonic Monitor



ZI 10020

Geopocket Penetrometer



ZI 10021

Geology Penetrometer



ZI 10022

Geology Scissometer



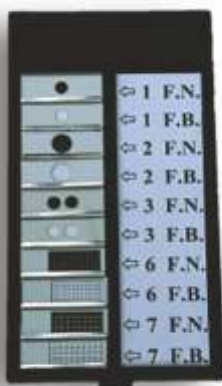
ZI 10023

Mirror Stereovisor



ZI 10024

Micropaleontology slides



ZI 10025

Carbon Residue, Conradson



ZI 11001

Carbon Residue

Cloud & Pour Point



ZI 11002

Cloud & Pour Point

Flash Point - Cleveland



ZI 11003

Flash Point

Abel Flash Point Apparatus



ZI 11004

Flash Point

Flash Point (Closed) Pensky-Martens Apparatus



ZI 11005

Flash Point

Redwood Viscometer



ZI 11006

Viscometer

Saybolt Viscometer



ZI 11007 / ZI 4014

Viscometer

Standard Tar Viscometer



ZI 11008 / ZI 4021

Viscometer

Engler Viscometer



ZI 11009

Viscometer

Blaine Air Permeability Apparatus, Automatic

CEMENT



ZI 1038

Fineness

Semi-Automatic (Motorized) Cement Compression & Flexure Testing Machines

CEMENT

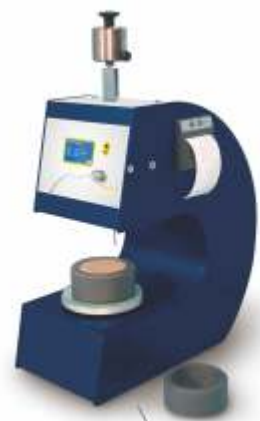


ZI 1039

Compression & Flexural Testing

Automatic Computerized Vicat Recording Apparatus

CEMENT



ZI 1040

Consistency and Setting Time

High Pressure Cement Autoclave

CEMENT



ZI 1041

Soundness of Cement & Hydrated Lime

Ultrasonic Pulse Velocity Tester High Technology

CONCRETE

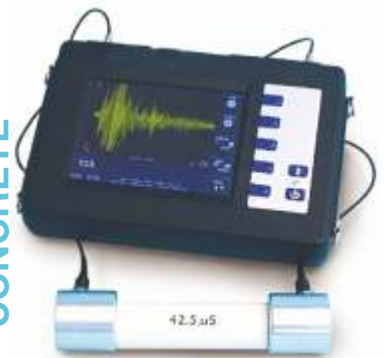


ZI 2075

Non Destructive Testing

Ultrasonic Pulse Velocity Tester High Technology

CONCRETE



ZI 2076

Non Destructive Testing

Pulse-Echo Tester

CONCRETE



ZI 2077

Non Destructive Testing

Mini Rebar Locator

CONCRETE



ZI 2078

Non Destructive Testing

Four Column Automatic Compression Testing Machines

CONCRETE



ZI 2079

Compression & Flexure Strength

Cementometer Moisture Meter

CONCRETE



ZI 2080

Moisture Meter

Large & Extra Large Type Direct Shear Testing Machine

SOIL



ZI 3088

Direct Shear Apparatus

Sieve Shaker with Frequency & Time Adjustment

SOIL



ZI 3089

Sieve Shaker

Electromagnetic Digital Sieve Shaker

SOIL



ZI 3090

Sieve Shaker

Triple Motion Sieve Shaker

SOIL



ZI 3091

Sieve Shaker

Balloon Density Apparatus

SOIL



ZI 3092

Field Density

Plate Loading Test Set

SOIL



ZI 3093

Point Load Test

Triaxial UU Test Systems

SOIL



ZI 3094

Triaxial Test Systems

Triaxial CU-CD Test Systems

SOIL



ZI 3095

Triaxial Test Systems

BITUMEN / ASPHALT

Automatic Digital Bitumen Penetrometer



ZI 4038

Penetration

Vialit Plate (Adhesion Test) Apparatus



ZI 4039

Surface Regularity

BITUMEN / ASPHALT

Automatic Ring and Ball Apparatus



ZI 4040

Softening Point

Falling Weight Deflectometer

BITUMEN / ASPHALT



ZI 4041

Deflectometer

Wide Wheel Abrasion Testing Machine

AGGREGATE



ZI 5028

Abrasion

Microlance Instant Moisture & Temperature Tester

AGGREGATE



ZI 5029

Moisture & Temperature Tester

Magnesium Sulphate / Sodium Sulphate Test Water Bath

AGGREGATE



ZI 5030

Water Bath

Quantab Chloride Titrator Type

AGGREGATE



ZI 5031

Chloride Content

Alkali Aggregate Reaction Bath

AGGREGATE



ZI 5032

Chemical Properties

NOTES

Lined area for taking notes, consisting of multiple horizontal dotted lines.



ZEAL INTERNATIONAL

1, Netaji Subhash Marg, Darya Ganj,
New Delhi 110 002 (INDIA)

Phone: +91-11-23276114, 23244474
23250281, 23278846

Fax: +91-11-43580558

Email: sales@zealinternational.com

Web: www.zealinternational.com