

Aggregates and concrete Testing Equipment



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Micro Deval Abrasion Testing Machine



Diameter of test barrel	200 ± 1mm
Length of test barrel	154 ± 1mm
Stainless steel beads	10 ± 0.5mm
Voltage	220v
Dimensions	450x450x1350mm
Weight	260kg

Slake Durability Apparatus



Host powerl	50W
Speed	20 rpm
Sieve tube	∅ 140*100mm
Standard sieve aperture	2mm
Water tank volume	200*170*120mm
Specimen shape	roughly spherical shape, no edges and corners
Dimensions	900*300*500mm

Electric Sieve Shaker Machin



Material	Stainless steel
Layers	1-9 Layers
Sieve Diameter	200-300mm
Noise	≤50dB
Input quantity	≤200
Amplitude	≤5mm
Speed	1450r/m

Steel Wheel Abrasion Tester



Speed of steel wheel	75r/min
Steel wheel A type	Diameter 200mm, thickness 10mm, hardness >HRC52
Steel wheel B type	Diameter 200mm, thickness 70mm, hardness HB210~240
Weight of balancing block	A type: 22500g, B type: 14000g
Hopper volume	6.5L
Wear time	0-999 (S, M, H) adjustable
Abrasive throttle speed	A Type: 150g/ 150R; B Type: >1L/min
Power	0.2KW, 380V
Dimension	600x420x1520mm (LxWxH)

Rock Point Load Tester



The maximum working pressure of the jack	50KN	100kN
Piston stroke	110mm	>140mm
Stroke of load specimen	80mm	>100mm
Dimensions of the main machine	500x300x700mm	

Sieve Shaker



Sieve diameter	300mm
Vibration amplitude	6mm
Vibration times	147 times / minute
Sieve shake times	221 times / minute

Pavement Seepage Meter



Volume of measuring cylinder	600ml
Resolution	2ml
Inner diameter of standard ring for seepage area	150mm
Counterweight	2, each 2.5Kg
Water level height	600mm
Weight	22KG
Relative humidity	≤85%
Ambient temperature	≤35°C

Fine Aggregate Angularity Apparatus



The upper part is a metal or plastic cylindrical volumetric flask with a volume of 250mL, and the bottom is a metal inverted cone funnel with a height of 38mm, the angle is $60' \pm 4'$, and the diameter of the outflow hole is $12.7\text{mm} \pm 0.6\text{mm}$. A 100mL copper receiving container is placed under the analyzer with an inner diameter of 39mm and a height of 86mm. The container is embedded in a metal plate with a thickness of 6mm, and the container and the bottom plate are filled and consolidated with epoxy resin. There is a pit in the center of the bottom of the metal base plate to align with the base position.

Cylindrical Bulk Density Measures



Capacity 1L 5L 7L 10L 15L 20L 30L 50L

Rock Elastic Modulus Tester



Size of specimen	15x15x15cm
Indication gauge	1/0.001mm
Central distance	50mm
Weight	2kg

V-funnel Model



Application	Concrete Testing
Height over all	1000 mm
Weight approx	20kg
Funnel (width x deep)	515x 75 mm

Aggregate Crushing Value Apparatus



AIV-150 Aggregate Crushing Value Apparatus comprising 150mm nominal diameter steel cylinder, plunger and base plate. Weight: 16.6 kg
 Metal Measure 115 mm diameter x 180mm deep. Weight: 870 g
 Tamping Rod 16 mm diameter x 600 mm long with rounded end.
 AIV-75 Aggregate Crushing Value Apparatus comprising 75 mm nominal diameter steel cylinder, plunger and base plate. Weight: 3.5 kg
 Metal Measure 57 mm diameter x 90mm deep. Tamping Rod 8 mm diameter x 300 mm long with rounded end.

Los Angeles Machine



Cylinder inner diameter X inner length	710mm x 510mm(± 5mm)
Speed	30-33 rpm
Counter	4 digits
Steel ball	∅ 47.625mm-5pcs ∅ 46mm-7pcs(set of 12 pcs)

Sand Equivalent Test Equipment



Voltage	220V ± 10% 50Hz
Power	90W
Oscillation frequency	180times/min
Amplitude	203mm
Automatic timing	Arbitrarily set
Dimensions	560x320x360mm
Test tube inner diameter/height	32 ± 0.25mm/420 ± 0.25mm
Outer diameter/inner diameter of flushing pipe	6 ± 0.5mm/4 ± 0.2mm

Aggregate Compact Value Tester



Standard	JTGE42-2005
Cylindrical Mould	Dia.102x 50mm Inner surface is tempered
Cylindrical Measure	Dia.76x51 mm
Tamping Rod	Dia.16x650mm, One end of the hemispherical
Impact Hammer Weight	13.75 ± 0.05Kg
Impact Hammer Drop Height	380 ± 5mm.
Test tube inner diameter/height	32 ± 0.25mm/420 ± 0.25mm
Cylindrical Thickness	3mm

Digital Compression Testing Machine



Product Model	DYE-2000B
Test Level	Level 1
Max.test force	2000KN
Press space (mm)	320
Upper platen size(mm)	240x240
Piston stroke (mm)	0-50mm
Lower platen size (mm)	240x240
Power (KW)	0.75
Host Size (mm)	900x400x1250
Total Weight(kg)	650

Microcomputer Servo Compression Testing Machine



Product Model	DYE-2000B
Max.test force	2000KN
Test accuracy	Level 1
Space adjustment method	Manual screw adjustment
Piston stroke	80
Sensor type	Oil pressure
Maximum spacing between two pressure plates (mm)	400
Upper platen size (mm)	240x240
Lower platen size (mm)	350x260

Electro-hydraulic Servo Compression Testing Machine



Product Model	HYE-2000T
Max.test force	2000KN
Test accuracy	Level 1/0.5
Measurement resolution	1%-100%FS
Main structure	Four columns
Compressed space	320mm
Piston stroke	80mm

Digital Compression Testing Machine



Product Model	DYE-2000A
Max.test force(KN)	2000KN
Test accuracy	Level 1/0.5
Space adjustment method	Screw adjustment
Piston stroke(mm)	80
Sensor type	Oil pressure
Max.distance between two patens(mm)	400
Upper platen size(mm)	240*240
Lower platen size(mm)	350*260
Motor power(KW)	0.75
Power Supply	380V
Mainframe dimensions(mm)	900x400x1300
Overall weight(kg)	900

Single Horizontal Shaft Forced Concrete Mixing



Model	60
Feeding capacity	96L
Discharging capacity	60L
Max. discharging capacity	70L
Mixing shaft rotating speed	45(r.p.m)
Motor power	2.2KW
Mains voltage	380V

Electric Drilling And Coring Machine



Product Model	HZ-18
Maximum drilling diameter	中255mm
Nominal voltage	110/220/240N
Nominal frequency	50-60Hz
Input power	2800W
No-load speed	500/920r/min
n.w./GW.	35/39KG

Electric Drilling And Coring Machine



Product Model	Z1Z-CF02--255B2
Maximum drilling diameter	∅ 255mm
Nominal voltage	110/220/240V
Nominal frequency	50-60Hz
Input power	2800W
No-load speed	500/920r/min
N.W./G.W.	35/39KG
Size	1080*380*380mm

Pavement Core Drilling Machine



Product Model	HZ-20
Maximum drilling diameter	200mm
Maximum drilling depth	700mm
Output speed	800-1200rpm
Power	5.5/9/13
Machine weight	140Kg
Dimension	84*110*122cm

Concrete Vibrator



Power	1800W
Size	35x14CM
Voltage	220V
Rotate speed	12000r/min
Poker Vibrator diameter	3.5mm
Poker Vibrator length	45CM
Flexible shaft length	3M

Concrete Air Meter



Product Model	CA-3
Volume	7L
Gas content range	1-10%
Weight	10KG

Cube Mould(plastic)



Size:50*50*50mm/70.7*70.7*70.7mm/100*100*100mm

Concrete Weibull consistency meter



Slump cone size	100x200x300mm (Top dia.*Bottom dia. *H)
Inner diameter	240±2mm
Inner height	200±2mm
Mixture aggregate size	<40mm
VeBe value	5-30s
Vibrator frequency	3000±200 time/Min
Vibrating amplitude (empty container inside)	0.5±0.10mm
Motor power	250W
Timing range	0.1-99.9s

Slump Cone Set



Cube Mould(Cast Iron)



Size:100*100*100mm/150*150*150mm

Cylinder Mould (plastic)



Size:100*200mm/150*300mm