



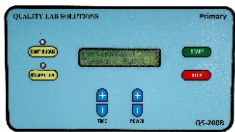
SOLUTIONS FOR SIEVING

2 Primary Model-Budget Priced (QS-200B)

THREE DIMENSIONAL
SIEVING MOTION



10mm
20µm



Dry Sieving	Standard
Wet Sieving	Optional Kit
Mode of Operation	2 modes (Continuous, Intermittent)
Intermittent Operation	At intervals upto 0.5 seconds
Capacity	Upto 8 Sieves of 50mm height Upto 16sieves of 25 mm height
Shake Time	Programmable from 1 mm to 99mm
Power Level	Programmable from 1 to 20
Amplitude	0.1mm to 2.5mm
Display	16 x 2 character alphanumeric LCD
Noise Level	Less than 61 db without sieves at maximum amplitude. Less than 71 db with sieves and material at maximum amplitude.
Dimensions (mm)	L 385 xW 305 x H 245
Net Weight	50 kg Without Sieves (Approx)

QS 200B is a micro controller based electromagnetic sieve shaker.

The instrument is powered by an electromagnetic drive which has no rotating parts, making it maintenance free and extremely quiet in operation.

The unit has been designed for user friendly operation.

The sieve shakers micro controller is used to set both the process time and the amplitude setting.

The top plate of the Sieve Shaker has clearly marked calibrated lines to aid visual inspection of the amplitude.

The unit has 2 modes of operation Continuous and Intermittent. Intermittent operation helps to clear blocked apertures.

Benefits

- ▶ Sieving with 3-D effect
- ▶ For sieve up to 203mm (8")
- ▶ Suitable for dry and wet sieving
- ▶ Measuring range 20µm to 10mm
- ▶ Digital setting and control of sieving parameters
- ▶ Reproducible and globally comparable sieving results
- ▶ Low noise, maintenance-free

Typical Sample Materials



Cement



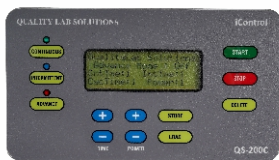
Cashew Powder

Vibratory sieve shakers are used for particle size analysis of products such as construction and filling materials, soil, chemicals, sand, coffee, coal, fertilizers, flour, metal powders, minerals, seeds, washing powder, cement clinker and many more

Advance Model-All in One Model (iControl-QS-200C) 3

SOP STORAGE
UPTO 8 PROGRAMS

ADVANCE MODE
PROGRAM OPTION



10mm
20µm

NEW



Dry Sieving	Standard
Wet Sieving	Optional Kit
Mode of Operation	3 modes (Continuous, Intermittent & Advance)
Intermittent Operation	At intervals upto 0.5 seconds
Advance Mode	Programmable time for Continuous & Intermittent (Together) in this mode
Capacity	Upto 8 Sieves of 50mm height Upto 16sieves of 25 mm height
Shake Time	Programmable from 1 mm to 99mm
Power Level	Programmable from 1 to 20
Amplitude	0.1mm to 2.5mm
Display	20 x 4 character alphanumeric LCD
Noise Level	Less than 61 db without sieves at maximum amplitude. Less than 71 db with sieves and material at maximum amplitude.
Dimensions (mm)	L 385 xW 305 x H 245
Net Weight	50 kg Without Sieves (Approx)

QS 200C iControl is a micro controller based electromagnetic sieve shaker.

The instrument is powered by an electromagnetic drive which has no rotating parts, making it maintenance free and extremely quiet in operation.

The unit has 3 modes of operation Continuous, Intermittent and Advance mode operation which helps to clear blocked apertures.

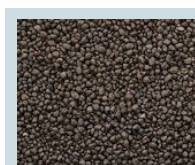
"Advance Mode" allows user to Simultaneously Program the Continuous and Intermittent Vibration in once cycle and Helping User with Smart option to come up with Ideal SOP Procedure for Respective Study.

QC-200C comes with SOP Storage Facility which allows User to store Upto 8 Programs which further reduces Daily Hustle of Programming the machine for Same Test Procedure conducted Daily.

Benefits

- ▶ Sieving with 3-D effect
- ▶ For sieve up to 203mm (8")
- ▶ Suitable for dry and wet sieving
- ▶ Measuring range 20µm to 10mm
- ▶ Digital setting and control of sieving parameters
- ▶ Sieve acceleration independent of power frequency
- ▶ Reproducible and globally comparable sieving results
- ▶ Integrated USB interface
- ▶ Low noise, maintenance-free

Typical Sample Materials



Soil



Zinc Powder

Vibratory sieve shakers are used for particle size analysis of products such as construction and filling materials, soil, chemicals, sand, coffee, coal, fertilizers, flour, metal powders, minerals, seeds, washing powder, cement clinker and many more

4 Premium Model-Meeting the Highest Standard for Quality Control (iPremium-QS-200P)

SOP STORAGE UPTO 16 PROGRAMS

SIMULTANEOUS MODE PROGRAM OPTION

PC CONNECTIVITY

DIGITAL AMPLITUDE



10mm
20µm

NEW



Dry Sieving	Standard
Wet Sieving	Optional Kit
Mode of Operation	3 modes (Continuous, Intermittent & Advance)
Intermittent Operation	At intervals upto 0.5 seconds
Advance Mode	Programmable time for Continuous & Intermittent (Together) in this mode
Capacity	Upto 8 Sieves of 50mm height Upto 16sieves of 25 mm height
Shake Time	Programmable from 1 mm to 99mm
Digital Amplitude Display	Programmable from 0.1mm to 3.0mm 20 x 4 character alphanumeric LCD
Noise Level	Less than 61 db without sieves at maximum amplitude. Less than 71 db with sieves and material at maximum amplitude.
Dimensions (mm)	L 385 xW 305 x H 245
Net Weight	50 kg Without Sieves (Approx)

QS-200P iPremium is Hi-Tech and Most Intelligent Model Designed by QLS.

QS 200P iPremium is microprocessor - controlled measuring and control unit of this model ensures a constant vibration height, allowing for 100% reproducibility of results even among different control shakers.

The unit has DIGITAL AMPLITUDE programming setting from 0.1 mm to 3.0 mm

All sieving parameters-vibration height, time and interval are set, displayed and monitored digitally which makes operation of the very convenient and quick.

The unit has 3 modes of operation Continuous Intermittent and Advance mode operation which helps to clear blocked apertures.

QC-200P comes with SOP Storage Facility which allows User to store Upto 8 on Machine and upto 16 Through "Smart Sieve" Software Program which further reduces Daily Hustle of Programming the machine for Same Test Procedure conducted Daily.

"Advance Mode" allows user to Simultaneously Program the Continuous and Intermittent Vibration in on recycle and Helping User with Smart option to come up with Ideal SOP Procedure for Respective Study.

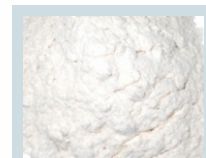
Benefits

- ▶ Sieving with 3-D effect
- ▶ For sieve up to 203mm (8")
- ▶ Suitable for dry and wet sieving
- ▶ Measuring range 20µm to 10mm
- ▶ Digital setting and control of sieving parameters
- ▶ Reproducible and globally comparable sieving results
- ▶ Low noise, maintenance-free

Typical Sample Materials



Coffee



Maida

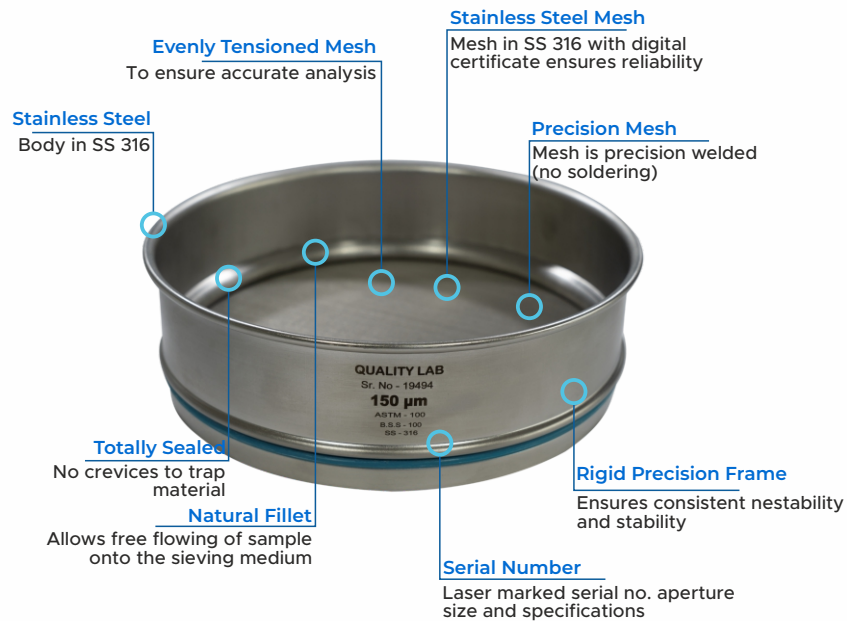
Vibratory sieve shakers are used for particle size analysis of products such as construction and filling materials, soil, chemicals, sand, coffee, coal, fertilizers, flour, metal powders, minerals, seeds, washing powder, cement clinker and many more

5 Sieve Shakers at Glance



	Primary (QS-200B)	iControl (QS-200C)	iPremium (QS-200P)
Application Feed material	Separation, Fractioning, Particle size determination, Powder, Bulk materials, Suspensions		
PERFORMANCE DATA			
Measuring Range*	20µm - 10mm	20µm - 10mm	20µm - 10mm
Max. Batch / Feed Capacity	3 kg	3 kg	3 kg
Max. Mass of Sieve Stack	4 kg	4 kg	4kg
Adjustment of Sieving Parameters	Manual (Power 1 to 20)	Manual (Power 1 to 20)	Digital 1 - 100%
Amplitude	0.1 - 2.5mm	0.1 - 2.5mm	0.1 - 3mm
Time	Digital 1 - 99mm	Digital 1 - 99mm	Digital 1 - 99mm
Interval Operation	Individual operation of Continuous & Intermittent Mode	Combined programming & operation Feature of Both Continuous & Intermittent Mode	Combined programming Feature of Both Continuous & Intermittent Mode with Digital Amplitude Programming Feature
Sieving Motion	Throwing Motion with Angular Momentum		
Suitable for Wet Sieving	Yes	Yes	Yes
Serial Interface	No	No	Yes
TECHNICAL DATA			
Suitable Sieves		100 mm - 203 mm	
Height of Sieve Stack		Upto 785 mm	
LXWXH		385 x 305 x 245 mm	
Net Weight		50 kgApprox	
Display	16x 2 Alphanumeric LCD	20 x 4 Alphanumeric LCD	20 x 4 Alphanumeric LCD
Power		230 V/50Hz (also 110V/60Hz)	
Primary Fuse		4Amp	

6 Test Sieve



ISO NORMAL APERTURE SUPPLEMENTARY SIZE R40/3	(MESH SIZE) ASTM E11-01	BSS
6.0mm		
4.75mm		
4.00mm	No.5	No.4
3.35mm	No.6	No.5
2.80mm	No.7	No.6
2.36mm	No.8	No.7
2.00mm	No.10	No.8
1.70mm	No.12	No.10
1.40mm	No.14	No.12
1.18mm	No.16	No.14
1.00mm	No.18	No.16
850µm	No.20	No.18
710µm	No.25	No.22
600µm	No.30	No.25
500µm	No.35	No.30
425µm	No.40	No.36
355µm	No.45	No.44
300µm	No.50	No.52
250µm	No.60	No.60
212µm	No.70	No.72
180µm	No.80	No.85
150µm	No.100	No.100
125µm	No.120	No.120
106µm	No.140	No.150
90µm	No.170	No.170
75µm	No.200	No.200
63µm	No.230	No.240
53µm	No.270	No.300
45µm	No.325	No.350
38µm	No.400	
32µm	No.450	
25µm	No.500	
20µm	No.635	
10µm		

- Accessories for Test Sieves**
 Collecting pans, intermediate pans, intermediate rings and sieve lids
- Accessories for Wet Sieving**
 Clamping lid with nozzles, collecting pans with outlet, venting rings
- Sieving Aids**
 Chain rings, brushes, cubes, balls (e.g. for reducing agglomerations when sieving particles < 100µm and keeping the mesh free)
- IQ / OQ Documents**
 We provide IQ / OQ documentation for the control sieve shakers to support IQ / OQ certification by our customers.



Black light Knob



Smart Knob



Receiver



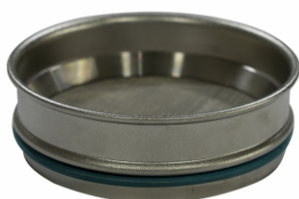
Transparent Lid



Wet Sieve Attachment



Test Sieve 200mm dia



Test Sieve 100mm dia



Horizontal Arm Locking

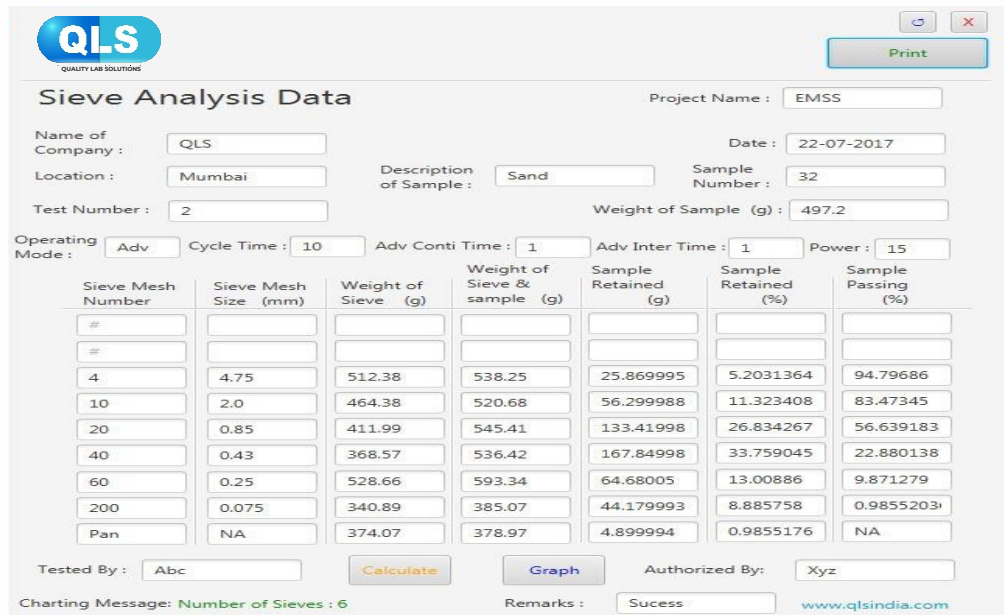


Vertical Road

Smart Sieve

Software for Sieve Analysis

- ▶ Logical design, Self-explanatory
- ▶ Measurement protocol in accordance with standards
- ▶ Complex transformation into charts and tables.
- ▶ Comprehensive data export.
- ▶ Parameter Entry.
- ▶ Evaluation.
- ▶ Sieve Analysis & Evaluation.
- ▶ Data Export.



Sieve Analysis Data

Project Name : EMSS

Name of Company : QLS Date : 22-07-2017

Location : Mumbai Description of Sample : Sand Sample Number : 32

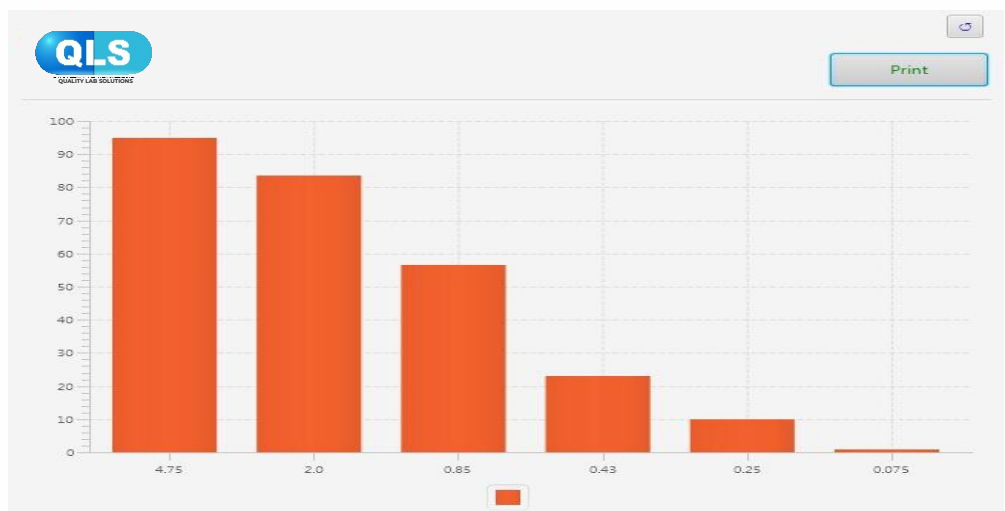
Test Number : 2 Weight of Sample (g) : 497.2

Operating Mode : Adv Cycle Time : 10 Adv Conti Time : 1 Adv Inter Time : 1 Power : 15

Sieve Mesh Number	Sieve Mesh Size (mm)	Weight of Sieve (g)	Weight of Sieve & sample (g)	Sample Retained (g)	Sample Retained (%)	Sample Passing (%)
#						
#						
4	4.75	512.38	538.25	25.869995	5.2031364	94.79686
10	2.0	464.38	520.68	56.299988	11.323408	83.47345
20	0.85	411.99	545.41	133.41998	26.834267	56.639183
40	0.43	368.57	536.42	167.84998	33.759045	22.880138
60	0.25	528.66	593.34	64.68005	13.00886	9.871279
200	0.075	340.89	385.07	44.179993	8.885758	0.9855203
Pan	NA	374.07	378.97	4.899994	0.9855176	NA

Tested By : Abc Calculate Graph Authorized By : Xyz

Charting Message: Number of Sieves : 6 Remarks : Success www.qlsindia.com



QLS understand that standard parts are not always the right answer. For that reason, QLS team can Customize and Design your sieving solutions. Thus we can help you to create precise specialized that fit your laboratory needs in cost effective way with quality Output.

Please feel free to contact us for your all above customize requirements with your valuable feedbacks to us

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