



**Electromagnetic Sieve Shaker**

## 8 or 16 Sieve Capacity Particle Size Analyser



### Tri-dimensional Sifting Motion

- The instrument produces tri-dimensional movement combining a vertical movement with a rotation of the material to be sifted on the surface of the sieve



### 2 Modes of Sifting

- Continuous
- Intermittent (helps to clear blocked apertures)



### Low Maintenance

- Instrument is powered by an electromagnetic drive which has no rotating parts, making it maintenance free and quiet in operation



### Isolation of Vibrations from Work Surface

- Non-metallic springs and anti-vibration mountings are fitted to isolate vibrations from work surfaces and reduce noise levels



### Quality by Design

- The instrument is powered by an electromagnetic drive which has no rotating parts, making it maintenance free and extremely quiet in operation
- Programmable shake time from 1 min to 99 mins
- The vibratory action produced by the power unit moves the sample all over the sieve in a unique way producing faster and more efficient sieving
- Amplitude level of 0.5 mm to 2.00 mm
- 16 x 2 character alphanumeric display
- Intermittent and continuous shifting motion with 15 programmable levels of amplitude
- The top plate of the sieve shaker has clearly marked calibrated lines to aid visual inspection of the amplitude
- The instrument is fitted with a special clamping device that ensures that the sieves are held firmly and allows them to be quickly removed and replaced
- Suitable for dry and wet sieving



Particle size analysis



Programmable sieving duration



Low noise



**Electromagnetic Sieve Shaker**



Capacity  
(200 mm dia)

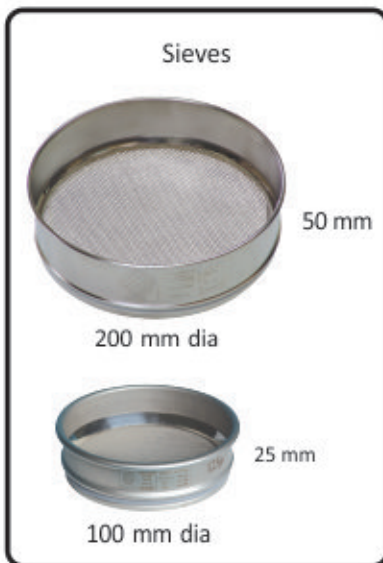
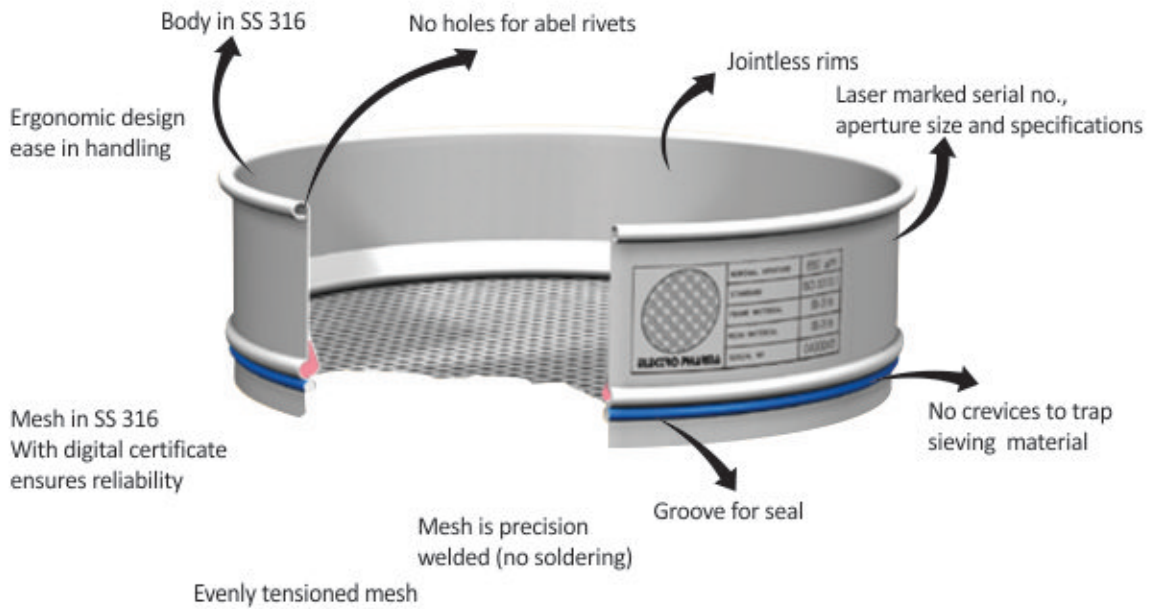


Capacity  
(100 mm dia)

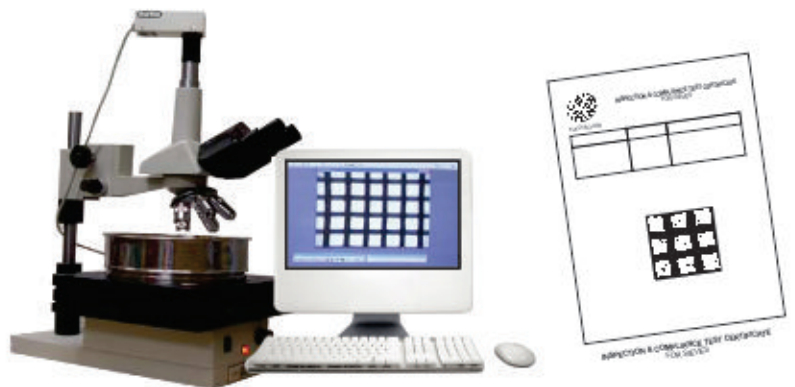


User friendly

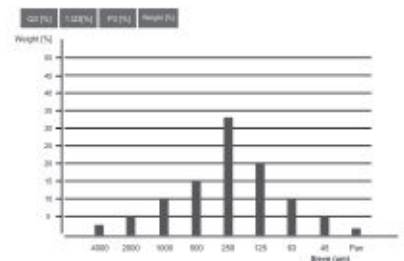
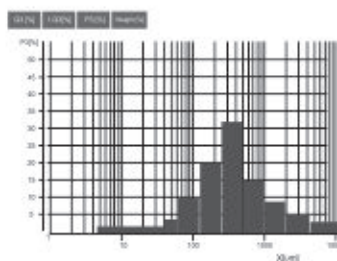
## Advantages of our sieves



### Calibration Certificate (optional)



## SieveEasy™ Particle Size Analyzer Software





### Standard accessories



Locking Arm (Horizontal)  
for 200mm Dia Test Sieves  
Part no - 0501A00002



Locking Arm (Horizontal)  
for 100mm Dia Test Sieves  
Part no - 0501A00071



Vertical Rod (Set of 2)  
Part no - 0501A00065

### Optional accessories



Backlight knob to fit  
locking arm (set of 2)  
Part no - 0501A00001



Lid & receiver for 200 mm  
dia test sieves  
Part no - 0501A00004



Lid & receiver for 100 mm  
dia test sieves  
Part no - 0501A00005



Wet sieve attachment  
for 200mm Dia  
Part no - 0501A00006



### Cares and Maintenance

- Clean sieves by sonicating them in water or a special detergent (Eg. deconex<sup>®</sup> 12 basic) to ensure accurate and reproducible sieving results
- It is advised not to run the machine without proper locking and tightening both the locking knobs, this may result in an abnormal sound and can damage the machine

### Specifications

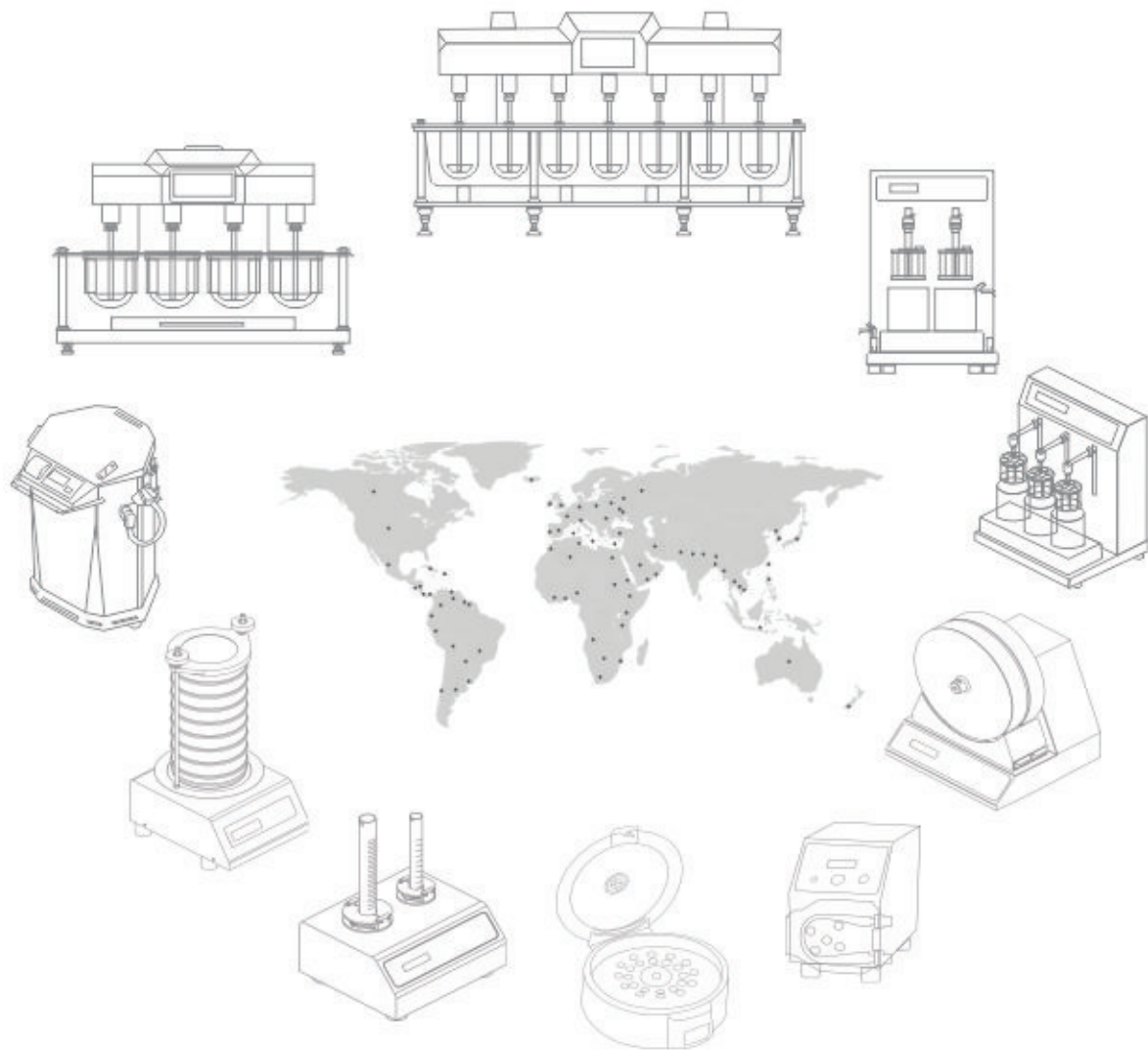
Model	EMS- 8	
Product code	230 Volts	110 Volts
	M.S. : 520100 S.S. : 540100	M.S. : 510100 S.S. : 530100
Dry sieving	Standard	
Mode of operation	Continuous and intermittent	
Intermittent operation	At intervals (0.5 sec)	
Capacity	Up to 8 sieves of 200 mm dia x 50 mm h Up to 16 sieves of 100 mm dia x 25 mm h	
Shake time	Programmable from 1 min to 99 min	
Amplitude level	0.5 mm to 2.00 mm	
Display	16 x 2 character LCD	
Power level	Programmable (from 5 to 20)	
Noise level	<61 dB without sieves at maximum amplitude <71 dB with sieves and material at maximum amplitude	
Power	220/230V AC, 50 Hz, 600 VA	
Dimensions (W x H x D)	312 mm x 339 mm x 270 mm	
Weight	50 Kgs (without sieves)	

### Test Sieve Sizes

200 mm dia x 50 mm h and 100 mm dia x 25 mm h

ISO Nominal  
Aperture  
Supplementary

Sizes R40/3	ASTM E11-01	B. S.S. E11-01
4.00 mm	No. 4	-
3.35 mm	No. 6	No. 5
2.80 mm	No. 7	No. 6
2.36 mm	No. 8	No. 7
2.00 mm	No. 10	No. 8
1.70 mm	No. 12	No. 10
1.40 mm	No. 14	No. 12
1.18 mm	No. 16	No. 14
1.00 mm	No. 18	No. 16
850 µm	No. 20	No. 18
710 µm	No. 25	No. 22
600 µm	No. 30	No. 25
500 µm	No. 35	No. 30
425 µm	No. 40	No. 36
355 µm	No. 45	No. 44
300 µm	No. 50	No. 52
250 µm	No. 60	No. 60
212 µm	No. 70	No. 72
180 µm	No. 80	No. 85
150 µm	No. 100	No. 100
125 µm	No. 120	No. 120
106 µm	No. 140	No. 150
90 µm	No. 170	No. 170
75 µm	No. 200	No. 200
63 µm	No. 230	No. 240
53 µm	No. 270	No. 300
45 µm	No. 325	No. 350
38 µm	-	-
28 µm	-	-



### Our Products


- Complete Range of Dissolution Testers • Dissolution Media Degasser • Disintegration Testers • Friability Testers
- Tablet Hardness Testers • Electromagnetic Sieve Shakers • Tap Density Tester • Bulk Density Tester
- Powder Flow Tester • Leak Tester • Peristaltic Pumps



The information contained in this document is believed to be correct but ELECTROLAB accepts no liability for any errors and reserves the right to alter specifications without notice  
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