



Sieve Brochure





Quality. It's woven into the fabric of what we do.

All our products comply with ISO3310 European Standards, ASTM American Standards, and equivalent worldwide technical body standards.

Glenammer is the leading laboratory test sieves manufacturer in the UK, helping customers throughout the world achieve the finest and most accurate samples. We have a simple philosophy – to produce the highest quality of test sieves, backed up with excellent customer service. We are passionate about our products and strive for perfection.

This means we are constantly innovating. The design of our sieving equipment has undergone radical changes since we were established 20 years ago, and we now provide high-end products to a range of industries and laboratories worldwide, where particle analysis is key and the most exacting standards are required.

Glenammer Test Sieves –

Product Specifications

Gap Sealant

100 µm and below are sealed to ensure a smooth waterproof join between mesh and frame.

Safety Edge

No sharp edges to trap unwanted material or cause safety hazards.

Bespoke Branding

All our sieves can be manufactured with private labels for your business

Laser Label

3D laser labelling technology provides clear and long lasting identification and uses no rivets or bulky metal labels for ease of cleaning and maintenance.



Mesh

Highest quality stainless steel grade 316 fine mesh is evenly tensioned across the sieve and complies with ISO3310 and ASTM standards. Many of our sieves are also manufactured with a backing mesh to protect the fine screen.

Mesh styles available



Robust Frame

Highly polished stainless steel frame grade 304.

Certificate of Conformity

Our test sieves are carefully packaged along with a certificate of conformity / record card.

Serial Number

A unique serial number meaning each sieve has it's own traceable number.



Woven Wire Sieves

Stainless steel woven wire.

Using the finest mesh to make the best quality sieves and manufactured to the most stringent engineering standards.



Perforated Sieves

Zinc plated mild steel plate. (Round or square hole available)

Laboratory test sieves with square and round holes, available in a full range of diameter and aperture sizes.



Coffee Bean Sieves

Round hole perforated plate sieves with sizes measured in 64th inches.

Used to grade coffee beans, these sieves are manufactured with a round hole stainless steel perforated plate with a stainless steel frame.



Grain Sieves

Stainless steel plates with 20mm oblong slots.

These are specifically designed in a 200mm diameter frame with a slotted stainless steel perforated plate. They are also manufactured with 20mm long slots with various widths.



Airjet Sieves

Half the height of standard sieves.

These sieves are a highly accurate and reliable particle size analyser, designed for determining the particle size distribution of dry powder.



Grid Sieves

Square powdered stainless steel frame with steel rods. Used to measure flakiness.

Manufactured using a powder coated mild steel frame and stainless steel rods, these sieves are suitable for hand sieving.



Wet Washing Sieves

Deeper than usual. 300mm diameter can be 150mm, 225mm or 300mm deep. All others can be 100mm or 200mm deep.

Manufactured with an extra deep frame, making it easier to separate fine samples with liquid and avoid particles sticking to each other.



Sieve Shakers

Durable sieve shakers, each manufactured to suit different requirements and varying budgets.

Sieve shakers for dry and wet sieving for the full range of diameter test sieves from 100mm diameter to 450mm diameter. Easy to operate and no maintenance required.

Sizing Chart

	Standard			Height			Material			
	BS/ISO 3370	ASTM E11	BS EN 933-3	Full	Half	Deep (100mm - 300mm)	Woven Wire	Perforated plate	Perforated Plate Slots	Stainless Steel/Rods
							Mild Steel Zinc passivated Round Hole (1mm-125mm) Square Hole (4mm-125mm)	Mild Steel Zinc passivated Round Hole (1mm-125mm) Square Hole (4mm-125mm)	Mild Steel Zinc passivated (20mm x 1mm - 4.5mm)	(2.5mm-50mm)
100mm	●			●			●			
150mm	●			●			●			
200mm	●			●	●	●	●	●	●	
8"		●		●	●	●	●			
250mm	●			●			●	●		
300mm	●			●	●	●	●	●	●	
12"		●		●	●	●	●			
315mm	●			●			●	●		
350mm	●			●			●	●		
400mm	●			●			●	●		
450mm	●			●			●	●		
325mm X 325mm			●	●						●

Strength. Our sieves are manufactured to last.

The design of our sieving equipment has undergone radical changes since we were established 20 years ago.

We offer the finest equipment - whether it is woven wire sieves, perforated plate sieves, wet washing sieves, or grid sieves, high quality and reliable products are at the forefront of what we do and all of our test sieves are designed and built to the highest standards. Our longer lasting precision engineering sieves provide unrivalled quality and are available in a variety of sizes, and we can also produce bespoke private label branded products exclusively for our customers.

Product quality is vital to the success of our client's business and that is why we will always strive for excellence and innovation, in order to help our customers throughout the world achieve the finest and the most accurate samples.



Accessories

Glenammer supply durable and affordable sieving accessories, which are designed to assist sieving procedures.



Lids and receivers

Also known as 'cover' and 'pan'.

These are widely used in particle analysis, especially with Glenammer sieve shakers.

Receivers are used for collecting the final samples at the very bottom of test sieves. Lids are placed on the top to keep the samples inside the sieve stack.



Intermediate receivers

These can be placed between test sieves so that users can complete two or more different tests while only operating one sieve shaker.



Wet Washing Lids

Wet Washing Lids and Receivers are designed for particle analysis when liquid is involved. Both of our lids and receivers have adapters installed to let the liquid flow through.

Sizing Chart

	Lid Material Stainless Steel	Receiver Material Stainless Steel
100mm	●	●
150mm	●	●
200mm	●	●
250mm	●	●
8"	●	●
300mm	●	●
12"	●	●
315mm	●	●
350mm	●	●
400mm	●	●
450mm	●	●



Rubber Gaskets

These are used on the bottom of individual test sieves. They prevent the test sieves from wobbling and provide a good sealant between two test sieves.



Sieve brushes

Glenammer supply double ended nylon brushes and double ended brass/nylon brushes. The nylon bristle paint brush is recommended to use for test sieve mesh cleaning.

Our Sieve shakers

Glenammer offers SQ and GEM shakers with various models to suit different requirements and various budgets.

Glenammer offers a range of durable sieve shakers, each manufactured to suit different requirements and varying budgets. They are made with various motors, including a traditional mechanical timer, a digital timer, and an electromagnetic and 3D electro magnetic motor. Glenammer sieve shakers are durable and easy to operate and there is no maintenance required. We provide sieves shakers for the full range of diameter test sieves from 100mm diameter to 450mm diameter.

Our sales team will recommend a suitable model according to your sample materials and test requirements.

All of Glenammer robust sieve shakers come with a quick release clamping system to improve the testing efficiency. Users can conduct both dry and wet sieving with suitable accessories and all models are capable of holding a maximum height of 850mm nested sieves plus lid and receiver (approx. 10 of 200mm or 8 of 300mm).



SQ Series

There are three models in SQ series, Analogue, Digital and Variable and two models in GEM series, basic and advance.

Glenammer SQ Analogue Sieve Shakers

Glenammer's SQ Analogue Shaker is an ideal model to replace traditional hand sieving in order to achieve superior and more efficient and stable results. Compact in size and easy to maintain, it is the most economical and easy to operate choice amongst the models of sieve shakers and is recommended for those who mainly use a stack of test sieves for particle analysis of one type of material.

With an analogue timer to adjust the operating time between 0 - 60 minutes, users can simply turn the dial to the desired time to start the operation.

The SQ Analogue model supports the full diameter range. The 200 SQ Analogue is built with a stable electro magnetic motor and is suitable for laboratory use. The 300, 315, and 450 SQ Analogue models are motorized shakers and are ideal for heavy-duty materials.

Glenammer SQ Digital Sieve Shaker

Glenammer's SQ Digital Shaker functions slightly different from the SQ Analogue as it is operated with a digital timing system, lending to further accuracy in tests.

It is compact in size and easy to maintain and allows for up to 8 full height sieves. The machine operates quietly and has a digital display panel with an installed digital timer, where users can set the desired operation sieving time incrementally in seconds.

The system also features a pause / start option, which enables users to operate the shaker with intervals.

Glenammer SQ Variable Sieve Shakers

Glenammer produce two models of electromagnetic 3D Motion Variable Sieve Shakers. The SQ Variable Shakers are the most advanced model in the SQ series, suitable for all sieving tasks providing optimum sieving action for fast and efficient results.

With digital panels and a digital timing system, as well as adjustable speeds that the user can control while the test is processing, and a quick-release clamping system, our electromagnetic 3D Sieve Shaker and 3D Sieve Shaker Advanced models provide the optimum results in test sieving.

The advantages of the adjustable speeds include:

_the ability to change speed at different stages e.g. each stage of a test might require different shaking intensity and speed - in some particle analysis, a lower speed works better towards the end of the test process as fine particles settle easier,

_more flexibility in a test - some users might need to separate particles that are different materials, sizes, weights, density or viscosity.

_the sustainability of test sieves as it prevents the sieve mesh from damaging. Generally speaking, a lower shaking speed works better with larger and heavier particles.

Both SQ Variable Sieve Shakers models are easy to operate and are suitable for dry and wet sieving with optional adapters, making these the superior choice when it comes to sieve shakers.

 **SQ Variable**



 **Capacity**

8 X 200mm Dia. (100mm, 150mm, 3" and 8") sieves plus lid and receiver.

6 X 300mm Dia. (12" 315mm) sieves plus lid and receiver. Extended rods available.

 **Max sample weight**

3Kg

 **Speed**

3,000/min at 50 Hz

 **Height**

140mm

 **Net W x H x D**

240mm x 140mm x 240mm

 **Timer**

Digital: 0sec - 99mins 59secs

 **Type**


8 x 200mm dia (100mm, 150mm, 8") sieves plus lid and receiver

 **Net Weight**

20Kg

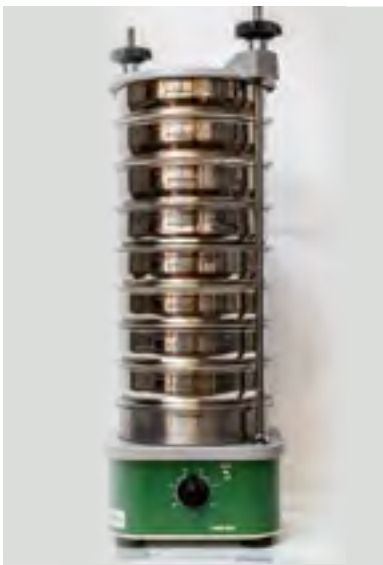
 **Sieve Motion**

Electromagnetic

 **Electrical Supply**

230 Volt, 1 ph, 50 Hz, Input power 0.045 kw, current 0.20 amps

 **SQ Analogue**



 **Capacity**

8 X 200mm Dia. (100mm, 150mm, 3" and 8") sieves plus lid and receiver.

6 X 300mm Dia. (12" 315mm) sieves plus lid and receiver. Extended rods available.

 **Max sample weight**

3Kg

 **Speed**

3,000/min at 50 Hz

 **Height**

140mm

 **Net W x H x D**

240mm x 140mm x 240mm

 **Timer**

Analogue: 0 - 60min

 **Type**


8 x 200mm dia (100mm, 150mm, 8") sieves plus lid and receiver

 **Net Weight**

17Kg

 **Sieve Motion**

Electromagnetic

 **Electrical Supply**


230 Volt, 1 ph, 50 Hz, Input power 0.045 kw, current 0.20 amps

 **SQ Digital**




 **Capacity**

8 X 200mm Dia. (12"mm, 315mm) sieves plus lid and receiver. Extended rods available.

 **Max sample weight**

from 4.5Kg - 6Kg

 **Orbital Action**

Approx up to 350 oscillations per minute

 **Height**

150mm

 **Net W x H x D**

400mm x 200mm x 400mm

 **Timer**


Digital: 0sec - 99mins 59secs

 **Net Weight**

22Kg

 **Sieve Motion**

Vibratory

 **Electrical Supply**

220 Volt, 1 ph, 60 Hz, Input power 0.045 kw, current 0.75 amps

Gem Series

Glenammer GEM Basic Sieve Shaker

The GEM series has a built-in 3D electromagnetic drive and the Glenammer GEM Basic Sieve Shaker will move both horizontally and vertically, with a 3D twist and throw motion. Generally, samples spread more evenly with the 3D motion and increase the chances for the sample to get access to the openings, thus improving the efficiency of the sieving process.

GEM Basic has an advanced power control system, which adjusts the amplitude of the sieving motion from 10 steps. Users can adjust the power setting accordingly for testing different types of materials. This sieve shaker is capable of holding test sieves that are 100mm diameter, 150mm diameter, 200mm diameter and 8" diameter, and has a unit surface with a layered space for each diameter. It also has an accurate digital timing system.

Glenammer GEM Advance Sieve Shaker

The GEM Advance Sieve Shaker is suitable for the majority of sieving duties. With the 3D electromagnetic sieving motion, the GEM Advance sieve shaker enables users to get accurate and efficient results and is an ideal model for users that operate multiple test applications on the shaker.

With GEM Advance, users can adjust the amplitude from 0-9 steps in order to control the sieving power and shaking intensity. This model introduces the function of an interval operation - enabling users to either run the shaker continuously or with intervals via the digital panel. Interval operation allows the sample to set better during the sieving process, especially for finer particles. GEM Advance sieve shaker also allows users to retain 5 sets of memory. Users can simply select the pre-named number and bring back all the settings including operation time, interval time, pause time, amplitude setting and power level.



Gem Basic




Capacity

8 x 200mm Diam (100mm, 150mm, 3" and 8") sieves plus lid and receiver. Extended rods available.



Height

140mm



Net Weight

46Kg



Max sample weight

3Kg




Net W x H x D

400mm x 200mm x 410mm



Sieve Motion

3D Electromagnetic



Amplitude

0-3mm (Max amplitude depends on loading) Set digitally 0-9 steps.



Timer

Digital: 0sec - 99mins 59secs



Electrical Supply

230 Volt, 1ph, 50Hz



Gem Advanced




Capacity

8 x 200mm Diam (100mm, 150mm, 3" and 8") sieves plus lid and receiver. Extended rods available.




Height

140mm



Net Weight

46Kg



Max sample weight

3Kg



Memory function

Store and recal up to 5 set operaton settings



Sieve Motion

3D Electromagnetic



Amplitude

0-3mm (Max amplitude depends on loading) Set digitally 0-9 steps.



Net W x H x D

400mm x 200mm x 410mm



Electrical Supply

230 Volt, 1ph, 50Hz



Interval

On / Off interval operation



Timer

Digital: 0sec - 99mins 59secs

Model comparison

All of the shakers are capable of holding 8 of 200mm (or 6 off 300mm diameter) test sieves plus lid and receiver. Extended rods are available upon requests if more test sieves need to be nested than the standard.

All of Glenammer shakers come with a set of quick release clamping system to improve the testing efficiency. Users can conduct both dry & wet sieving with suitable accessories.

SQ Series

SQ Analogue

SQ Digital

SQ Variable



Gem Series

Gem Basic

Gem Advance



Capacity	Standard rods hold up to 8 x 200mm diameter (or 6 x 300mm diameter) test sieves plus lid & receiver. Extended rods are available on request.				
Dry & wet washing	●	●	●	●	●
Interval operation		Manual pause / Start	Manual pause / Start	Manual pause / Start	Digital setting from 0s - 99s
Digital display		●	●	●	●
Speed adjustment			●		●
Power control				●	●
Memory storage		●	●	●	Up to 5 settings to store / recall shaker operation
Timer	Analogue dial 0min - 30min	Digital panel 0sec - 99min 59sec	Digital panel 0sec - 99min 59sec	Digital panel 0sec - 99min 59sec	Digital panel 0sec - 99min 59sec
Sieving motion	Electromagnetic / vibratory	Electromagnetic / vibratory	Electromagnetic / vibratory	3D Electromagnetic	3D Electromagnetic
Amplitude	Fixed	Fixed	Fixed	0-3mm adjustable in 10 steps	0-3mm adjustable in 10 steps
Available diameter	200mm - 300m, 315mm - 450mm	200mm - 300m, 315mm - 450mm	300, 315mm, 450mm	200mm	200mm
Application	Durable and economical choice for sample separation An efficient replacement for hand sieving Maintenance-free	Digital control panel for accurate testing Advanced timing control	Shaking speed adjustable for various materials and experiments Efficient and accurate time control	Advanced 3D sieving motion Adjustable amplitude	3D sieving motion Scientifically designed interval time operation to assist samples to set 5 sets of memory storage for quick operation