# XINXIANG LINGANG MECHANICAL EQUIPMENT CO.,LTD

Specialising in making screening machines for 50 years One year warranty for all products Manufacturer production, price guarantee

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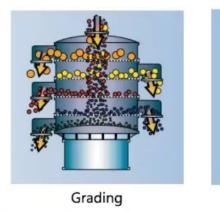
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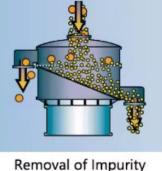
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Filtration

XINXIANG LINGANG MECHANICAL EQUIPMENT CO., LTD specializes in manufacturing high-quality screening equipment. With 50 years of experience, we produce a variety of products, including vibrating screens, laboratory sieves, direct discharge screens, liquid filters, vacuum loaders, conveyors, packaging machines, and crushers. Our products are designed to meet the needs of industries such as rice, flour, spices, powder, grains, pepper, chili, carrom seeds, and soy milk.

We are committed to delivering reliable and efficient solutions. Our equipment is ISO and CE certified, ensuring that it meets international quality standards. We export to Southeast Asia, Western Europe, and North America, providing our customers with top-notch screening solutions. At Lingon, we focus on innovation and customer satisfaction. We look forward to being your trusted partner in screening equipment.















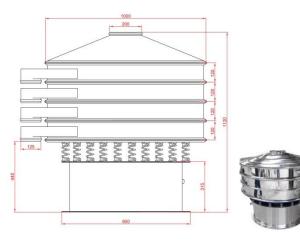




#### 03 Product Display

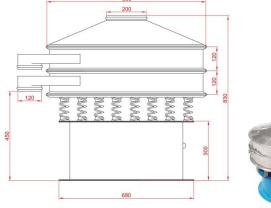
### (A) LINGON

**Rotary Vibrating Screen** 



#### Application

- Food industry: sugar powder, starch, rice flour, milk powder, soymilk, eggpowder, soysauce, fruitjuice, brewed tea, dairy products, candy, seasonings, protein, foodadditives, etc.
- Pharmaceutical industry: industrial drugs, Chinese medi-cinepowder, granulepills, pellets, etc.
- Chemical industry, metallurgy powder industry, paper in-dustry, ceramicsindustry, miningindustry, etc.



Carbon steel, Contacting Material Steel SUS304, Full SUS304, Plastic



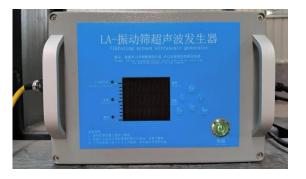
The screening accuracy is high and efficient. It can be used for any powder, particles, or liquid.Compact DesignSmall in size, lightweight, and easy to move. The discharge port can be adjusted in any direction. Both coarse and fine materials are automatically discharged. It can be operated either automatically or manually.Special Quality Screen MeshThe mesh is not easily clogged, and it produces no dust. The finest mesh size can reach 500 mesh (28 microns), and the finest filter can be as small as 5 microns.Durable and Unique Mesh DesignThe mesh design (coarse and fine screens) ensures long-term use, and changing the screen is easy, taking only 3-5 minutes. It's simple to operate and easy to clean.

#### Working Principle

Rotary vibrating screen generates exciting force through unbalanced eccentric weights installed at the upper and lower ends of the vertical vibration motor shaft. The vibration motor's rotation causes the vibrating screen to perform three-dimensional movements (horizontal, vertical, and inclined), which are transmitted to the screen surface. This motion causes the material on the screen to spread outward in a circular motion, which is why it is also known as a vibrating screen. The rotary vibrating screen has the advantages of a long material trajectory and high screen surface utilization. By adjusting the phase angle of the upper and lower eccentric weights, the movement trajectory of the material on the screen surface can be changed to achieve the best screening effect for different material densities. Adjusting the counterweights of the upper and lower eccentric weights allows different excitation forces to be achieved, resulting in optimal screening effects for materials of different densities and mesh sizes.

Model	500	600	800	1000	1200	1500	1800	2000
Diameter(mm)	430	645	800	950	1160	1500	1768	1950
Deck	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4
Screen mesh area(m <sup>2</sup> )	0.11	0.28	0.44	0.64	0.95	1.65	2.4	2.85
Mesh size(mesh)	3-500	3-500	3-500	3-500	3-500	3-500	3-500	3-500
Max feed particle size(mm)	<20	<20	<20	<20	<20	<20	<20	<20
Power(kw)	0.18	0.45	0.6	0.8	0.8	1.5/2.2	2.5	2.5

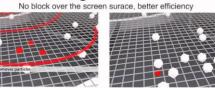
Ultrasonic vibrating screen



#### Application

Ultrasonic vibrating screen is suitable for solving the problem of strong material adsorption, easy reunion, high static electricity, high fineness, high density, light weight and other screening problems. Advantage of Ultrasonic

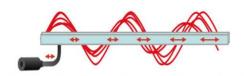
Carbon steel, Contacting Material Steel SUS304, Full SUS304, Plastic



After Ultrasonic Cleanir

Particles be removed

Before Ultrasonic Cleaning Particle stop in the mesh hole, reduce screening effiency and capacity.



Our ultrasonic screening systems are capable of screening fine powders down to 20 µm

#### Advantages and Characteristics

Ultrasonic vibration waves

Ultra-fine powders are subjected to huge ultrasonic acceleration, thereby it can improve screening efficiency and cleaning efficiency.

Ultrasonic Power supply

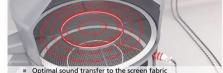
Ultrasonic shaker power supply is the core technology of ultrasonic vibrating screen. It plays a vital role in solving the mesh plugging problem of screen mesh. The vibrating screen can screen particles more finely, and the screening efficiency is higher, more extensive.

Ultrasonic grids

The ultrasonic power supply is used to connect a clean net transducer, and the radiation surface of the ultrasonic transducer is in contact with the blocked net surface to generate a relative displacement, which can remove the clogging of the screen mesh. It is fast and efficient, It does not change the size of the screen mesh aperture size, and does not harm the surface quality of the screen.

#### Working Principle

Ultrasonic rotary vibration screen is based on the original rotary vibration screen. Additional ultrasonic vibration instrument is added to the screen. The highfrequency mechanical wave produced by this instrument makes the ultra fine powder receive huge ultrasonic acceleration, thus inhibiting adhesion, friction and flat drop, wedges and other plugging factors, improve screening efficiency and cleaning efficiency.



 Optimal sound transfer to the screen fabric
Homogenous sound distribution over the entire screen surface





Model	600	800	1000	1200	1500
Diameter(mm)	654	800	950	1160	1500
Deck	1-2	1-2	1-2	1-2	1-2
Screen mesh area(m <sup>2</sup> )	0.28	0.44	0.64	0.95	1.65
Mesh size(mesh)	3-600	3-600	3-600	3-600	3-600
Power(kw)	0.6	0.6	0.8	1.5	2.2



03 Product Display

### Laboratory Test Sieves











#### Product Introduction

Test sieves are widely used in scientific research units, laboratories, inspection rooms, production control, and analysis in industries such as food, medicine, chemicals, abrasives, pigments, mines, metallurgy, geology, ceramics, etc. Has prominent features such as compact structure, low noise, and extreme precision



Model	200	300
Deck(s)	1-8	1-8
Diameter(mm)	200	300
Particle size(mm)	0.038-20	0.038-20
Amplitude(mm)	≤5	≤5
Voltage(V)	220	220
Speed(r/min)	1450	1450
Power(KW)	0.125	0.125
Nosie(db)	≤50	≤50
Batch capacity(g)	≤200	≤300
Dimension(mm)	400x300(300+Nx50)	500x400(350+Nx65)
Total weight(kg)	30	40

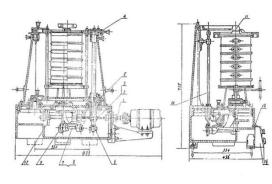




03 Product Display

### (A) LINGON

### Slap Sieve Shaker









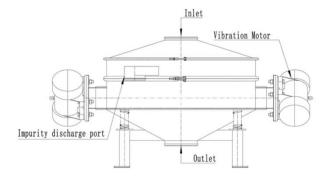
#### Product Introduction

The slap screen is one of the commonly used testing instruments in the laboratory, and is a special equipment for testing the particle size of the test screen. It is mainly composed of the base, the screen and the transmission mechanism and is suitable for inspecting the particle size composition of ordinary abrasives, production grading of super hard material, and particle size composition. Widely used in scientific research and production laboratories in geological, metallurgical, chemical, pharmaceutical and other departments to screen and detect materials.

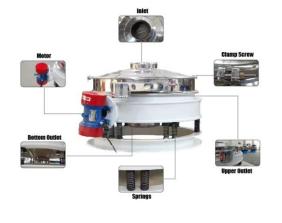
NO.	Na	me	Unit	Data
1	Screen o	liameter	mm	φ200
2	Layer c	Juantity	layer	18
3	Number o	of wobbles	Times/minute	290
4	Round tri	p distance	mm	25
5	Round	d trips	Times/minute	290
6	Number of	f vibrations	Times/minute	3000
7	Vibration	amplitude	mm	03
8	Motor	powder	KW	0.18
0	WOLDI	Rotate speed	RPM	1400
9	Si	ze	mm	730x500x860
10	We	ight	KG	90

Model	Deck(s)	Reciprocating stroke (mm)	Slap height(mm)	Voltage (V)	Power(kw)	Dimension(mm)	Total Weight (kg)	Number of wobbles(Times/minute)	Number of strikes(Times/minute)
CW-200	1-7	25	38±6mm	380/220	0.55	510x510x740	70	290±10	156±10

## Liquid Sieving Machines









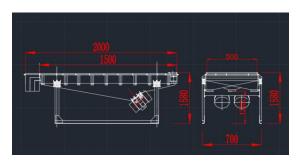
#### Product Introduction

Liquid Sieving Machines is a special new-type, high-efficiency screening machine, suitable for the screening of dry, wet and various shapes of materials. It produces 3D movement of the material through vibration motor mounted on both sides of the machine to achieve maximum screening yield, It is mainly used for the impurity removal before the finished product packaging process in the food and pharmaceutical industry as well as the screening of large-tonnage loose raw materials.

Adjusting the phase angles of the upper and lower weights of the vibration motor can change the trajectory of the material on the screen surface and satisfy the optimal screening effect of various specific gravity materials. Adjusting the vibration weight of the upper and lower weights of the vibration motor can achieve different excitation forces to achieve different effects.

Model	600	800	1000	1200	1500	1800
Diameter(mm)	654	800	950	1160	1500	1768
Power(kw)	0.1*2	0.25*2	0.25*3	0.4*2	0.4*2	0.75*2
Mesh	5-100	5-100	5-100	5-100	5-100	5-100
Rotate speed(r/min)	1450	1450	1450	1450	1450	960
Amplitude(mm)	3-5	3-5	3-5	3-5	3-5	3-5

### Linear Vibrating Screen



#### Application

Widely used in chemical, food, plastics, medicine, metallurgy, glass, building materials, food, fertilizer, abrasives, ceramics and other industries in the dry powder or granular material screening.

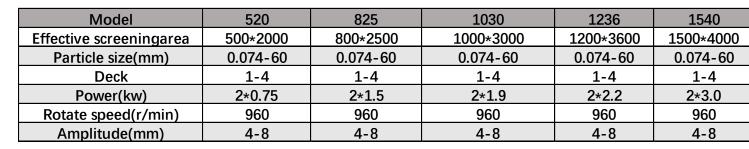


#### Working Principle

light linear vibrating screen is a traditional classic, universal screening equipment. The screen box movement trajectory is approximately a straight line. In general, various linear vibrating screens are composed of screen boxes, supporting or hanging devices, driving devices, and vibration isolation devices.

linear vibrating screen uses vibration force of vibrating motor as vibration source. Its working principle is that two vibrating motors of the same model and specification are used for synchronous reverse rotation, and the periodical alternating excitation force formed by them is formed. Drive the screen box and drive the screen surface, so that the material is thrown on the screen mesh, and at the same time make a skipping movement forward, Through the multi-layer screen the classification effect is achieved and the screening operation is completed.







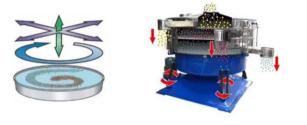
- Special design: The sieve is compact in design and easy to assemble. One person can operate the sieving machine. The structure is simple, the maintenance is convenient, and it can be used for automatic operation in assembly line production.
- High screening efficiency: High screening precision large processing capacity, large sieve hole area and high processing efficiency. Low energy consumption, low noise, good sealing, no dust diffusion.
- Unique screen: The unique screen structure design makes it easy and fast to replace the screen (only takes 3to 5 minutes). Furthermore, this design allows the use of various screen meshes (nylon, special nylon, PP mesh).
- Sturdy and durable: The coarse mesh fully supports the fine mesh, so the service life can be extended, and the use of fine mesh consumables can be reduced. Which can reduce many costs during the long production process.

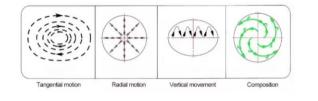
Swinging Sieve



Application

Suitable for pharmaceutical, food, mining, casting, abrasive, building materials, cement, chemical, fertilizer light industry, paper, grain, salt, food and other granular and powder related industries.





#### Advantages and Characteristics

- High-efficiency screening: The output per unit area can reach 5 times; the separation is accurate to 6 levels, and the screening efficiency is as high as 90%-99%.
- Ingenious design: Optimized gravity balance, airtight and dust proof, safe operation; low noise <75 db.</li>
- Easy to clean: High-efficiency cleaning devices such as silicone rubber balls and ultrasonic waves are used to reduce screen blockage.
- Durable: The acceleration is 4-5 times lower than that of the vibrating screen, which improves the life of the screening parts and reduces maintenance at the same time.

#### Working Principle

The tumbler screen is an efficient screening machine which is designed to meet the large output, high screening accurate of manufacturer. its unique design structure cleverly combines the sieve (plane circular motion) and winnow (upward parabolic motion), and can adjust the meridional angle and tangential angle to make the screening effect reach the best state you require.

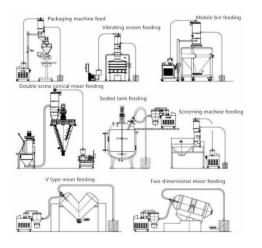
It is suitable for screening irregular, easily broken and easily deformed materials such as spherical, cylindrical and flake.

Model	600	800	1000	1200	1500	1800
Diameter(mm)	654	800	950	1160	1500	1768
Power(kw)	0.1*2	0.25*2	0.25*3	0.4*2	0.4*2	0.75*2
Mesh	5-100	5-100	5-100	5-100	5-100	5-100
Rotate speed(r/min)	1450	1450	1450	1450	1450	960
Amplitude(mm)	3-5	3-5	3-5	3-5	3-5	3-5

#### 03 Product Display

### (A) LINGON

### Bottom Feeder Pool Vacuum





- Application
- Medicine: raw materials, powders, granular materials, mixed materials (no stratification will occur during transportation), tablets, etc.
- Food: additives, raw materials, candy, flour, cocoa powder, MSG, crystals, etc.
- Industrial: carbon powder, metal powder, dyes, pigments, etc.
- Agriculture: transportation of bulk materials such as cropseeds, urea fertilizers, etc.



**Advantages and Characteristics** 

Beautiful appearance, fullyautomatic, no manpower required, Easy to operate and easy tomaintain.



#### **Product Introduction**

The vacuum feeder uses a vacuum pump to evacuate air, so that the inlet and the entire system are in a vacuum state. The powder and granular materials are sucked into the feed nozzle together with the outside air, forming a material air flow, which reaches the hopper through the suction pipe, where the air and materials are separated.

The separated materials enter the receiving equipment, Feeding and discharging are accomplished by continuously opening and closing the pneumatic three-way valve, and the opening and closing of the pneumatic three-way valve is controlled by the control center. The vacuum feeder is equipped with a compressed air backflush device. Each time the material is discharged, the compressed air pulses backflush the filter to knock down the powder adsorbed on the filter surface to ensure the normal operation of the suction material.

Model	Electric power	Comveying capacity	Suction caliber	Working pressure	Air consumption	Equipment size
S-1	1.5	400	φ38	0.4-0.6	500	φ290x802
S-2	2.2	600	φ39	0.4-0.6	500	φ290x802
S-3	3	1200	φ51	0.4-0.6	500	φ290x952
S-4	5.5	2500	φ51	0.4-0.6	500	φ420x1216
S-6	5.5	3200	φ51	0.4-0.6	500	φ420x1216
S-7	7.5	6000	φ63	0.4-0.6	500	φ420x1379
S-10-6	7.5	6000	φ76	0.4-0.6	500	φ600x1907
S-20-5	11	5000	φ102	0.4-0.6	500	φ800x2070

(L) LINGON

### Mesh and Accessories

#### **Mesh Size**

Mesh number	Wire diameter mm	Mesh mm	Micron	Mesh number2	Wire diameter mm2	Mesh mm2	Micron2
2.5 Mesh	1.2	8	8000	90 Mesh	0.1	0.16	160
3 Mesh	1	7	6700	100 Mesh	0.1	0.15	150
4 Mesh	1	5	5000	110 Mesh	0.09	0.14	140
4 Mesh	1	5.6	5600	120 Mesh	0.09	0.125	125
5 Mesh	1	4	4000	130 Mesh	0.071	0.112	112
6 Mesh	0.8	3.35	3350	140 Mesh	0.071	0.106	106
7 Mesh	0.71	2.8	3000	150 Mesh	0.063	0.1	100
8 Mesh	0.71	2.36	2360	160 Mesh	0.06	0.095	95
10 Mesh	0.63	2	2000	170 Mesh	0.056	0.09	90
12 Mesh	0.45	1.7	1700	180 Mesh	0.056	0.08	80
14 Mesh	0.4	1.4	1400	200 Mesh	0.05	0.075	75
16 Mesh	0.4	1.18	1180	220 Mesh	0.045	0.071	71
18 Mesh	0.355	1	1000	230 Mesh	0.045	0.063	63
20 Mesh	0.315	0.85	850	240 Mesh	0.045	0.063	63
22 Mesh	0.315	0.8	800	250 Mesh	0.04	0.06	60
24 Mesh	0.28	0.71	710	260 Mesh	0.04	0.056	56
26 Mesh	0.28	0.71	710	270 Mesh	0.04	0.053	53
28 Mesh	0.28	0.63	630	280 Mesh	0.04	0.053	53
30 Mesh	0.25	0.6	600	300 Mesh	0.036	0.05	50
32 Mesh	0.224	0.56	560	325 Mesh	0.032	0.045	45
35 Mesh	0.224	0.5	500	350 Mesh	0.032	0.04	40
40 Mesh	0.18	0.425	425	363 Mesh	0.03	0.04	40
45 Mesh	0.14	0.355	355	400 Mesh	0.025	0.038	38
50 Mesh	0.14	0.3	300	450 Mesh	0.025	0.031	31
55 Mesh	0.14	0.28	280	508 Mesh	0.025	0.025	25
60 Mesh	0.125	0.25	250	600 Mesh	0.02	0.02	20
65 Mesh	0.14	0.224	224	635 Mesh	0.02	0.02	20
70 Mesh	0.125	0.212	212	700 Mesh		0.018	18
75 Mesh	0.125	0.2	200	800 Mesh		0.015	15
80 Mesh	0.125	0.18	180	1000 Mesh		0.01	10
85 Mesh	0.125	0.18	180	1200 Mesh		0.007	7
				1250 Mesh		0.005	5

#### Accessories



cleaning

Vibrating screen vibrator

base bucket

Horizontal motor Vertical motor

15



05 Cooperative Partner

**Cooperative Partner** 





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