



VIBRATION SCREEN AND GYRATORY SCREEN EQUIPMENT PROFESSIONAL SUPPLIER



## CATALOGUE CONTENTS

Company Introduction:

MH Model Gyratory Screener:

MHG Side Doors Access Gyratory Screener:

Linear Vibrating Screen

Round Vibration Screen

Trommel Screener

Round Gyratory Screener

Service And Contact Us



Company Introduction:

Along with the amount of gyratory screener machinery applied in our customers' industry application increasing, and in order to service our customer better, Mega Young Screening Technology Co.,Ltd is specialized in designing, studying and developing M&Y gyratory screener and other screening equipment.

Mega Young is specialized in designing, researching and developin gyratory sifter equipment ,other screening equipment and conveying equipment. Along with the amount of gyratory sifter applied in our customers' industry application increasing, and in order to service our customer better, we start the manufacturing and designing screening equipment and conveying equipment from reception of our company, our products has been used in mineral industry application, chemical industry application, agriculture industry application, food industry application, medicine industry and other industries successfully after many years.

Refer to customers' feedback and situation happened about our products at application site, we summarize and study the feedback information and research new solution continuously, then we get one professional and experienced technical team. We are willing to share and supply our studying achievement with our customer, thus providing more reliable gyratory sifter ,other screening and conveying technical solutions.

**European Certifying Organization**

**ASSESSMENT**  
OF VOLUNTARY EXAMINATION

according to the requirements established in the standards listed below for Machinery Directive 2006/42/EC and Low Voltage Directive 2014/35/EU

Registration no: 714C001817 date 2017/11/13

Manufacturer: MEGA YOUNG SCREENING TECHNOLOGY CO., LTD.  
No.4 Workshop, Industrial Park, Intersection of Xindong Road and Dongzhaio Road Southwest, Xinxiang City, China

Product: Gyratory Vibrating Screen

Models: MH-B20, MH-C24, MH-C30, MH-D30, MH-D36, MH-E30, MHE36, MHE42, MH-F48, MH-TB20, MH-TC24, MH-TC30, MH-TD30, MH-TD36, MH-TE30, MH-TE36, MH-TE42, MH-TF48, MH-SC24, MH-SC30, MH-SD30, MH-SD36, MH-SE30, MH-SE36, MH-SE42, MH-SF48, ZX-600, ZX-800, ZX-1000, ZX-1200, ZX-1500, ZX-1800, ZX-2000, ZX-2400

Reference Standards:  
• EN ISO 12100:2010  
• EN 60204-1:2006+A1:2009

Test reports: 714R0498-01 dated 2017/11/09

Conclusion: This attestation of compliance is issued on voluntary basis with respect to the requirements for documentation specified in the Machinery Directive and LVD Directive. It confirms that the product complies with essential requirements of the Machinery and LVD Directives covered by the standards listed in this document, and applies only to the sample and its technical documentation submitted to ECO Certificazioni S.p.A. for testing and certification.

Place and date of issue: FAENZA, ITALY 2017/11/13

Expiry date: 2022/11/12

Authorized Signatory: Francesco Medici

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Page 1 of 1

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CE certificate

**营业执照**

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类型 有限责任公司(自然人投资或控股)

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成立日期 2014年03月18日

营业期限 2014年03月18日至2032年03月17日

经营范围 筛分技术研发, 筛分设备、输送设备生产、销售, 从事货物和技术进出口业务(国家法律法规规定应经审批方可经营或禁止进出口的货物和技术除外)(依法须经批准的项目, 经相关部门批准后方可开展经营活动)

登记机关 新乡县工商行政管理局  
2018年06月07日

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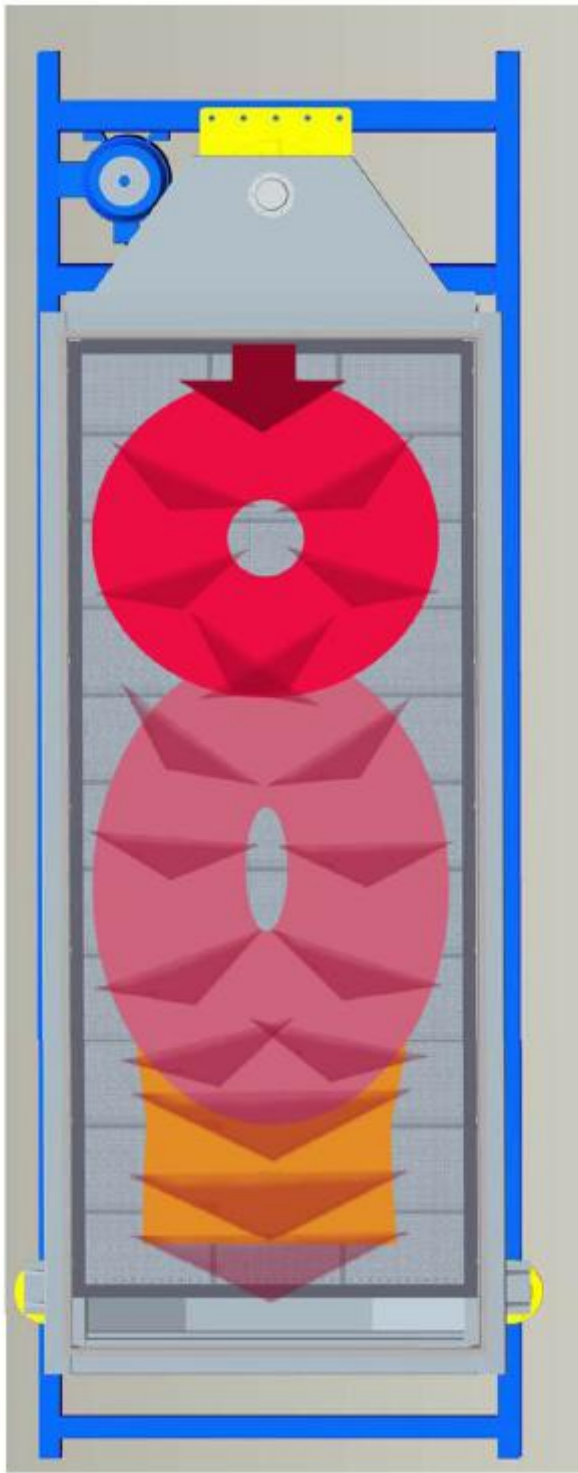


### MH Model Gyrotary Screener



MH gyrotary screener adopt suspension installation method, and because the gyrotary screener motion path is one reciprocating gyrotary month on one almost horizontal plane, there is no vertical vibration about the complete screening equipment, so this model screener do not need heavy and strong foundation, so it could save the building structure cost for customer.





When material fall into the inlet of the M series gyratory screener, the baffle and distributor will distribute the material materials first,the material movement is the reciprocating gyratory motion

Stage 1 When the material fall onto the gyratory screener deck, the material will disperse soon until the material bed will cover screen mesh along the screen width.

Stage 2 The material bed thickness is suitable for screening after first stage material distribution, and the material movement path become the elliptical from circle, the most material screening work will be done in this stage.

Stage 3 After first two stage screening, the material screening work almost finished in this stage, the material movement path become linear from elliptical, the movement path distance will be short and the material will flow out from the outlet soon

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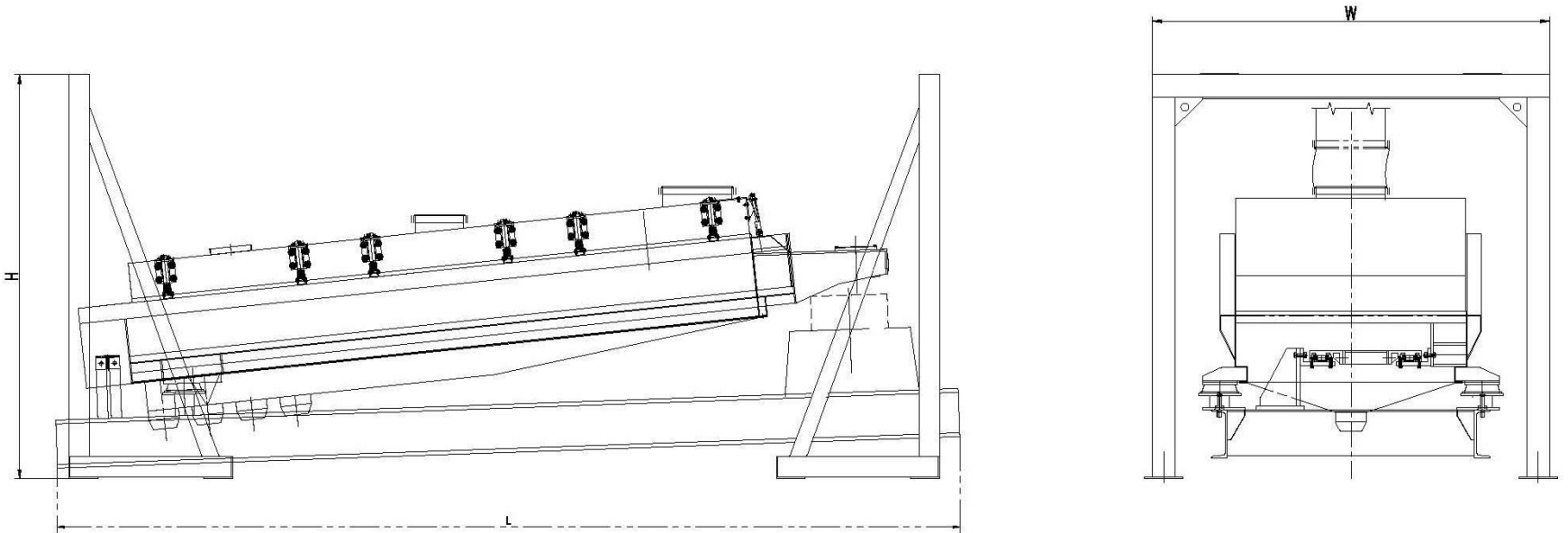
### Application

As the most popular gyratory screening equipment, The industry application of M series gyratory screener include chemical industry, agriculture industry, food, medicine, mineral, plastic and recycling industry etc, its high screening efficiency and stable function has been proved by hundreds practical application, together with the MPG series gyratory screener for easy changing mesh and MPB series gyratory screener for large capacity as supplement, so the application scope of our supplied gyratory screener will be larger, and could meet some special request on screening.





Dimension and Parameter



MH Gyrotory Screen Parameter									
Layer No.	Model	Requency	Storke	Mesh Area	Power	Outline (mm)			Equipment weight
		r/min	mm	M <sup>2</sup>	kW	(L)	(W)	(H)	kg
1	MH-B20	220-260	60	2	2.2	3620	1870	2100	2463
	MH-C24	220-260	60	2.88	3	4114	2080	2100	2958
	MH-D30	200-220	80	4.5	4	4930	2370	2200	3316
	MH-E42	180-200	88	7.56	5.5	5612	2690	2200	4053
	MH-F48	180-200	88	9.6	5.5	6698	2940	2300	4335
2	MH-TB20	220-260	60	2	3	3620	1880	2100	2610
	MH-TC24	220-260	60	2.88	4	4114	2080	2100	3177
	MH-TD30	200-220	80	4.5	4	4930	2370	2200	3494
	MH-TE42	180-200	88	7.56	5.5	5612	2690	2200	4413
	MH-TF48	180-200	88	9.6	7.5	6498	2940	2300	4756
3	MH-SC24	200-220	80	2.88	4	4114	2080	2200	3395
	MH-SD30	180-200	88	4.5	5.5	4930	2370	2200	3872
	MH-SE42	180-200	88	7.56	7.5	5612	2690	2200	4786
	MH-SF48	180-200	88	9.6	11	6698	2940	2300	5337



### MHG Side Doors Access Gyrotary Screener



MHG series gyrotary screens is similar with M serial gyrotary screen such as the screening principle, screening efficiency and application, just except the screen deck structure.

In some customer application technical process, the customer need always renew the screens mesh, if the renew time for screening mesh is too long, or it is very difficult for replacing the screen mesh, it will take too much time for stopping the equipment work if replacing mesh for several times, so it will affect the production output at last, the MHG series gyrotary screens is for solving above problem, and the MHG gyrotary screen has following features:



MHG Gyrotary Screen waiting for delivery in workshop



MHG Gyrotary Screen at Sugar Screening site



## MHG Gyrotory Screener Major Structure

### Screener Deck



The side door gyrotory screener deck is one combination structure that consist of screener mesh , self-cleaning ball and support deck frame. The screener mesh be fixed on screener ball tray directly.

#### Mesh changing



#### The mesh fasten method

**The mesh sheet is one independent one parts, it put on the ball tray**

So the customer is easy to divide the mesh sheet and the ball tray, it save the mesh changing time

#### Replaceable Seal



#### Replaceable seal of the screener deck

The seal structure is one key factor for guaranteeing the screening precision, The MH model gyrotory screener adopt replaceable model seal, it is easy to replace the seal when the seal worn-out

And the seal is endless model after glue, so it avoid the different layer material mix together



## How to do the mesh sheet changing easily



### 1. Open the side access door

This step is easy, just open the clamp then open side access door



### 2. Pull out mesh sheet and ball tray

Release the fasten device of the ball tray, then pull out 1/2 to 1/3 width of the ball tray, do not need the whole ball tray and mesh structure out the screener box, the other 2/3 of the mesh deck+ ball tray still in the screener box



### 3. Pull out the whole mesh sheet

Please pull out the whole mesh sheet structure out from the screener box, and do not need move the below ball tray



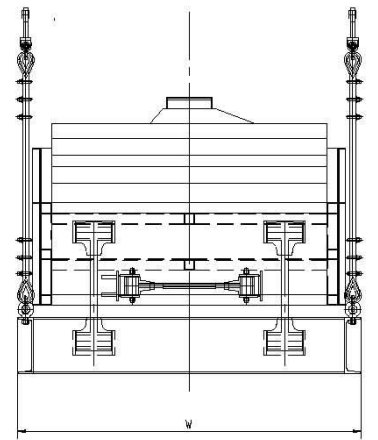
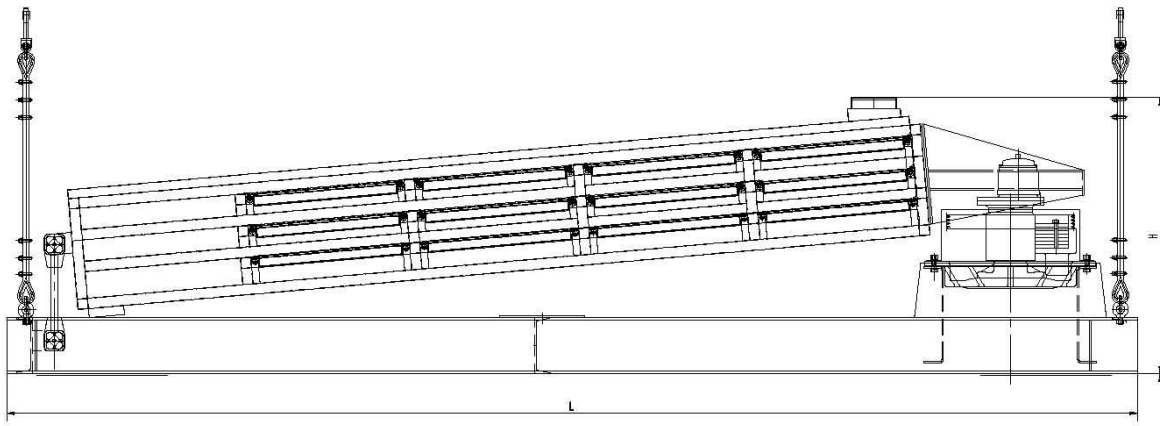
### 4. Put one new mesh sheet on the ball tray

Put one new mesh sheet on the ball tray and push the ball tray and mesh back into the screener box, then fasten the ball tray and close the side access door as one drawer, the mesh changing work finished





For above 4 steps, we will understand why our MHG side access doors gyratory screening equipment is easy for mesh maintenance, one mesh sheet only several KGS, and do not need lift the heavy ball tray during the whole process, one person could finish one mesh sheet changing within 1 mins, and much safe to the worker.



MHG Gyratory Screen Parameter									
Layer No.	Model	Requency	Storke	Mesh Area	Power	Outline (mm)			Equipment weight
		r/min	mm	M <sup>2</sup>	kW	(L)	(W)	(H)	kg
1	MHG-B20	220-260	60	2	2.2	4120	1870	2100	2463
	MHG-C24	220-260	60	2.88	3	4614	2080	2100	2958
	MHG-D30R	200-220	80	4.5	4	5530	2370	2200	3316
	MHG-E42	180-200	88	7.56	6.112	5612	2690	2200	4053
	MHG-F48	180-200	88	9.6	5.5	7198	2940	2300	4335
2	MHG-TB20	220-260	60	2	3	4120	1880	2100	2610
	MHG-TC24	220-260	60	2.88	4	4614	2080	2100	3177
	MHG-TD30R	200-220	80	4.5	4	5530	2370	2200	3494
	MHG-TE42	180-200	88	7.56	5.5	6112	2690	2200	4413
	MHG-TF48	180-200	88	9.6	7.5	6998	2940	2300	4756
3	MHG-SC24	200-220	80	2.88	4	4614	2080	2200	3395
	MHG-SD30R	180-200	88	4.5	5.5	5530	2370	2200	3872
	MHG-SE42	180-200	88	7.56	7.5	6112	2690	2200	4786
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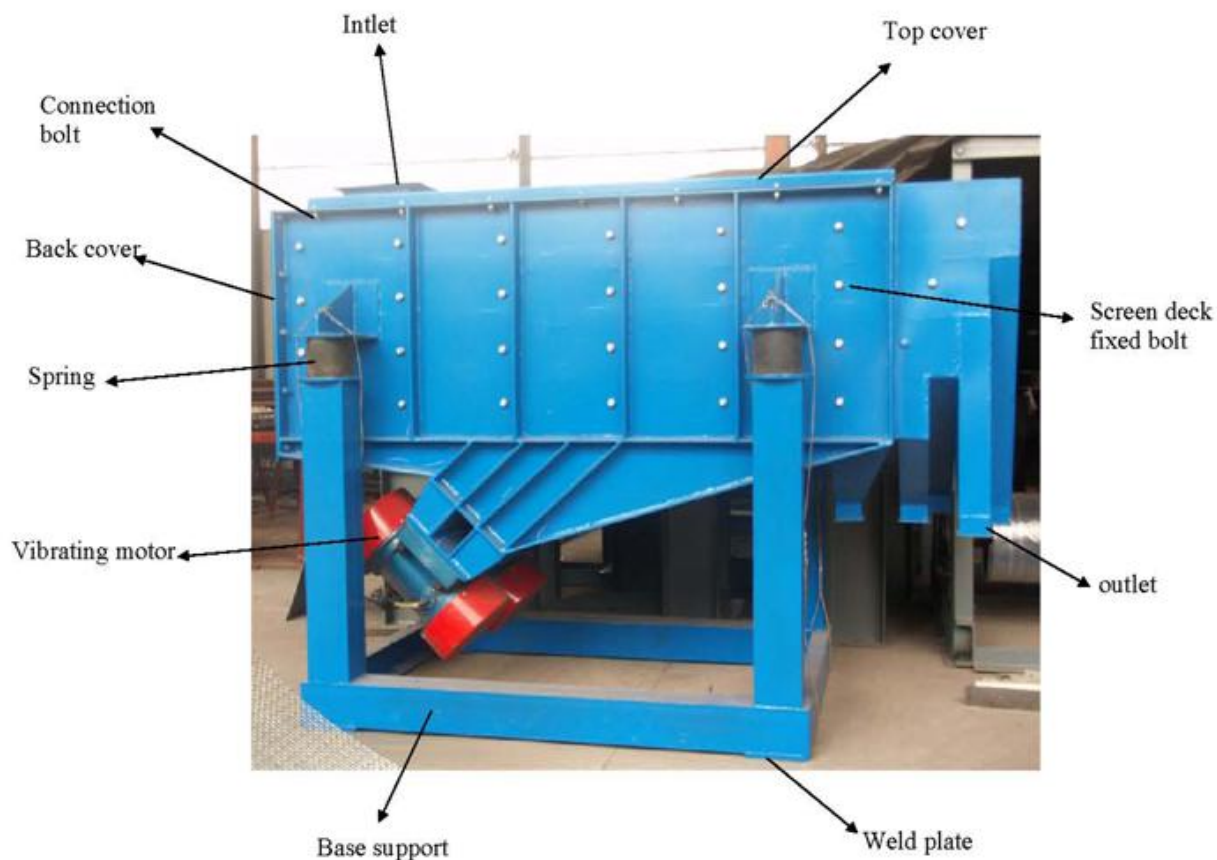


## Linear Vibrating Screen



The Linear screen box of the linear vibrating screen makes self-synchronous rotation along the opposite direction depending on double vibration motors, which makes the whole linear vibrating screen machine supported on damper do linear motion. Materials go through the screen loosely and move forward after falling into the screen box from inlet and then finish the separating work finally.

The linear vibrating screen machine is composed of screen box, vibration motor, damping system and chassis. The screen box consists of chute, roof, screen frame, screen plate (mesh), wire gauze.



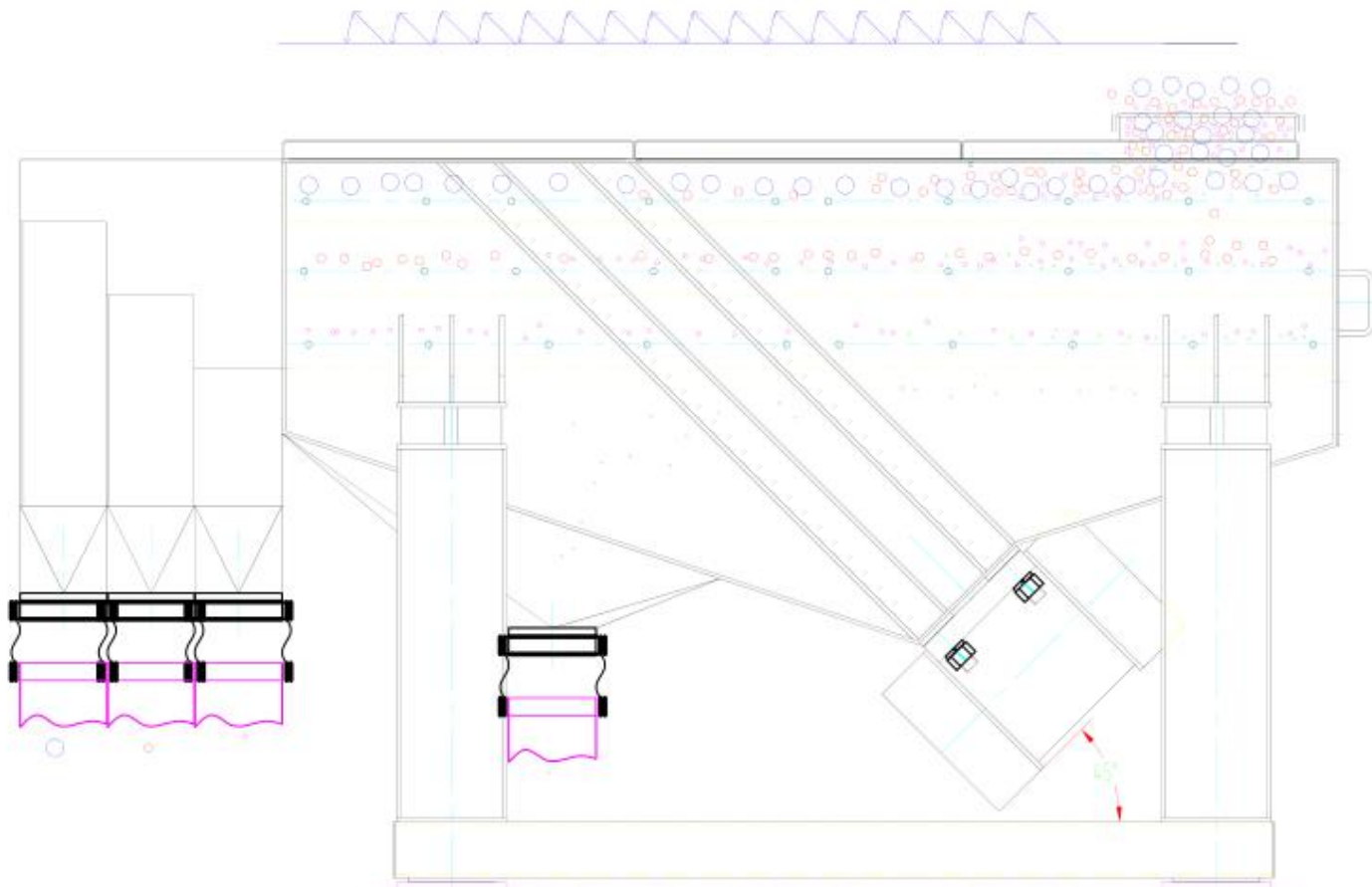




Parameter

Model	Layer	Power (KW)	Deck Size	Frequency(times/min)
ZSF—612	1—5	0.5—1.5	600×1200	1460/960
ZSF—520	1—5	0.5—1.5	500×2000	1460/960
ZSF—525	1—5	0.5—1.5	500×2500	1460/960
ZSF—1020	1—5	1.5—3.0	1000×2000	1460/960
ZSF—1025	1—5	1.5—3.0	1000×2500	1460/960
ZSF—1030	1—5	1.5—3.0	1000×3000	1460/960
ZSF—1224	1—4	1.5—3.0	1200×2400	1460/960
ZSF—1525	1—3	1.5—3.0	1500×2500	1460/960
ZSF—1530	1—3	1.5—3.0	1500×3000	1460/960

The motion path of material on the screen deck: The material jump forward on a specific inclined angle





## Round Vibration Screen



### Introduction

Circular Vibrating Screen is a kind of new and highly effective vibrating screen which can be designed with multiple layers. It is composed of screen box, screen mesh cloth, suspension (or support) device, bottom frame and motor. Circular vibrating sieve is available for smelting , quarry , coal preparation, ore dressing, energy, power, chemical, construction material industries.

### Advantages and Features

- 1.Simple structure, easy maintenance, stable operation, high production yields;
- 2.Adopt punching sieve or steel sieve mesh in order to prevent blockage;
- 3.Sieve beam and screen box adopts high strength bolt connection, no welding processing;
- 4.Adopt perforated sieve plate to prolong mesh service life and prevent mesh blockage;
- 5.Rubber vibration spring to reduce noise pollution and provide smooth vibration operation;
- 6.Large dip angle structure enables high screening efficiency and handling capacity;
- 7.Hooked riveting with lock rivert, advanced structure; sturdy and durable.
8. Adopt special configuration, conform to personalized needs of the customer and meet the needs of





Parameter

Model	Layer	Screen Surface Area (m2)	Angle	Aperture Size (mm)	Material Size (mm)	Capacity (t/h)	Frequency (rpm)	Double Amplitude	Power (kW)
YA1236	1	1200*3600	20°	6-50	≤200	80-240	845	9.5	11
2YA1236	2	1200*3600	20°	6-50	≤200	80-240	845	9.5	11
YA1530	1	1500*3000	20°	6-50	≤200	80-240	845	9.5	11
YA1536	1	1500*3600	20°	6-50	≤200	100-350	845	9.5	11
2YA1536	2	1500*3600	20°	6-50	≤400	100-350	845	9.5	15
YA1542	1	1500*4200	20°	6-50	≤200	110-385	845	9.5	11
2YA1542	2	1500*4200	20°	30-150	≤200	110-385	845	9.5	15
YA1548	1	1500*4800	20°	6-50	≤200	120-420	845	9.5	15
2YA1548	2	1500*4800	20°	6-50	≤200	120-420	845	9.5	15
YA1836	1	1800*3600	20°	30-150	≤200	140-220	845	9.5	11
2YA1836	2	1800*3600	20°	30-150	≤200	140-220	845	9.5	15
YA1842	1	1800*4200	20°	6-150	≤200	140-490	845	9.5	15
2YA1842	2	1800*4200	20°	6-150	≤200	140-490	845	9.5	15
YA1848	1	1800*4800	20°	6-50	≤200	150-525	845	9.5	15
2YA1848	2	1800*4800	20°	6-50	≤200	150-525	845	9.5	15
YA2148	1	2100*4800	20°	6-50	≤200	180-630	748	9.5	18.5
2YA2148	2	2100*4800	20°	6-50	≤200	180-630	748	9.5	22
YA2160	1	2100*6000	20°	3-80	≤200	230-800	748	9.5	18.5
2YA2160	2	2100*6000	20°	6-50	≤200	230-800	748	9.5	22
YA2448	1	2400*4800	20°	6-50	≤200	200-700	748	9.5	18.5





## Trommel Screen



### Introduction

Trommel screen has wide range of sizes and capacities, it is a mechanical screening machine used to separate materials. It consists of a perforated cylindrical drum that is normally elevated at an angle at the feed end, motor, reduction unit, screen frame and sealing cover. When materials flow towards along the inclined rotating drum, materials jump and roll, the undersized material smaller than the screen apertures passes through the screen, while the oversized material exits at the other end of the drum.

### Advantages and Features

1. Designed to fit your operation- Trommel screen can be customized to meet different capacity and working site
2. Free from pollution- Fully enclosed structure, no dust pollution, improve working conditions for operators as well
3. Variable application range- Compost, chemical, coal, plastic, recycling, metallurgy, mineral-selecting etc.
4. Superior design- Simple structure, easy maintenance, steady operation, low energy consumption
5. Less blockage- Automatic cleaning brush on the top of trommel screen to avoid the blockage
6. Screen long life span- Screen is made of 16Mn with strong strength, good abrasion resistance and high screening efficiency





### Trommel Screener Parameter

Model	Length Range	Segment No.	Aperture Size	Power (Kw)	Inclined Angle	Max. Material Size	Rotating Speed ( rpm )
GTSφ600	2-4m	1-2	5-35mm	2.2-3	0-7°	50mm	15-18
GTSφ800	2-5m	1-3	5-40mm	3-5.5	0-7°	60mm	15-18
GTSφ1000	2-6m	1-4	5-50mm	4-7.5	0-7°	80mm	15-18
GTSφ1200	3-8m	1-4	5-60mm	5.5-11	0-7°	100mm	15-18
GTSφ1500	3-10m	1-5	5-60mm	7.5-15	0-7°	150mm	15-18
GTSφ2000	4-12m	1-5	5-75mm	7.5-18.5	0-7°	180mm	15-18
GTSφ2500	5-12m	1-6	5-90mm	11-18.5	0-7°	200mm	15-18





MEGA YOUNG SCREENING TECHNOLOGY CO.,LTD





## Round Gyrotory Vibrating Screen



### **XZ Round Gyrotory Screen**

XZ Round Gyrotory Vibrating Screen is a kind of special and high precision screening and separating machine. The round gyrotory vibrating screen is generally used for kinds of dry, wet and geometrical shapes material for sieving and separating. The granulation, powders and liquid can be separated into different size continuously through the different sieve mesh to achieve the material needed.

If customer meet following screening situation, the round gyrotory screen is one best choice:

1. The request screening capacity is not large, just several kgs to several Tons
2. The screened material size is not large, always less than 10mm
3. The screening powder material very fine, less than 1mm, even less than 300 mesh.
4. The request screening prcision is very high
5. The instllation room for the vibrating screen is not large, there are limitation one height, width and length

The main feature of the round gyrotory screen as following

1. Structure is simple, maintenace work is easy
2. Screening prcision is hig

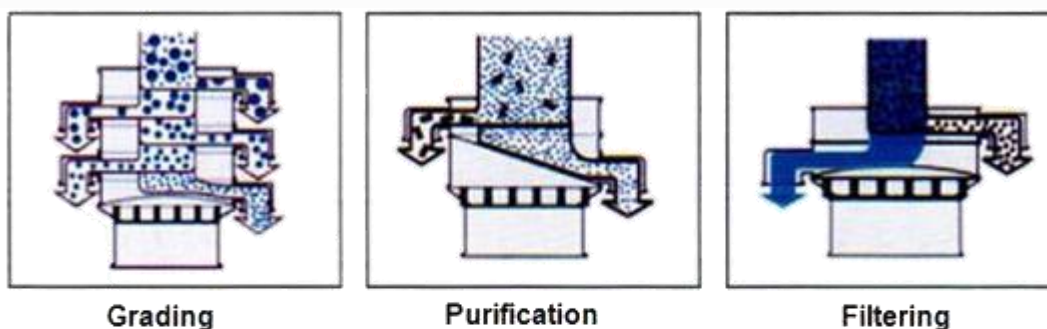


Parameter

Model	XZ-400	XZ-600	XZ-800	XZ-1000	XZ-1200	XZ-1500
Nominal Diameter(mm)	400	600	800	1000	1200	1500
Screen Diameter (mm)	340	530	720	900	1100	1400
Screen Surface Area (m2)	0.09	0.22	0.4	0.63	0.95	1.5
Feeding Size (mm)	< 10	< 10	< 20	< 20	< 20	< 20
Specification	2-325					
No. of Layers	1-3					
Frequency (rpm)	1500	1500	1500	1500	1500	1500
Power (kW)	0.18	0.25	0.55	0.75	1.1	1.5

The round gyratory vibrating screen has vertical type motor as excitation source, and the motor has eccentric block at the top and bottom which makes the rotating of motor convert horizontal, vertical and inclined three- dimensional motion. Then the motor pass the motion into screen mesh and make the material diffuse outward gradually. Because of that, we call it round vibrating screen machine. The round vibrating screen has the advantage of long running track and high-usage screen. Adjust the phase angle of eccentric block can change the motion track to separate the material precisely.

After starting, the eccentric block at the top and bottom of motor will generate a composite inertial force which force the screen rotary moving. The vibrating screen frame make reciprocating motion continuously under the shaking of motor and forward the screen mesh move cycling. The material on screen mesh made directional movement with screen box. In the process of moving, the material smaller than mesh size pass the mesh and fall to the under layer which called undersize, and the material bigger than mesh size separated through outlet, then the separating is completed. The function and running track of round vibrating screen as follows.



0°	15°	45°	90° above
General classification Material from the center to the movement	Used for screening in general	Precise screening Material movement on the surface of the screen the longest	Special purpose Material from the movement to the center around us





## Our Service

We will build the particular and complete database for each machine, thereby supplying our customer assistance at once when customer needs our after-sales service and production information.

Mega Young Screening Technology Co., Ltd attaches great importance to cooperate with our customer; we ensure optimization of our products to provide efficient machines for our client. We will provide our customer with one year warranty. Besides, we also provide 24 hours online service, if there are any questions or problems, just contact us wherever you can. All we do is to establish the good and harmonious relationship with customers, and to satisfy customer requirement.

In addition, we also provide onsite technical training to customer operation staff if necessary.

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