



# Rotary Vibrating Screen Mesh

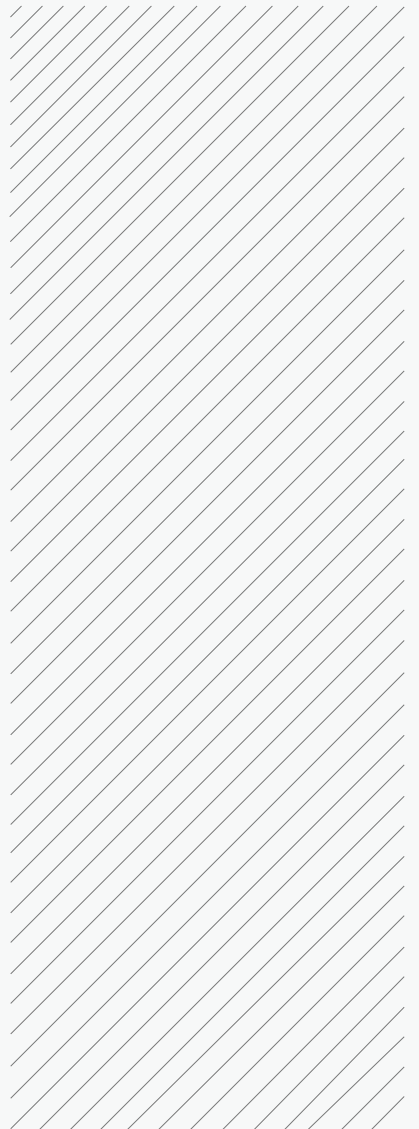
Weave Impossible to Possible



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# BOEDON Brochure



**We supply single-layer and multi-layer rotary vibrating screen mesh to meet your demands on grading, removing impurities and solid-liquid separation.**

Rotary vibrating screen mesh is a high performance fine screening stainless steel mesh installed on rotary vibrating screen machine. It is mainly used for grading, removing impurities and filtering powders, particles and slurry materials in various industries. Its tightly controlled aperture size is essential to achieving a reliable, efficient screening outcome.

Made of stainless steel woven wire cloth, our sieve screen has a mesh count of 3–508 mesh to satisfy the screening needs of various industries.

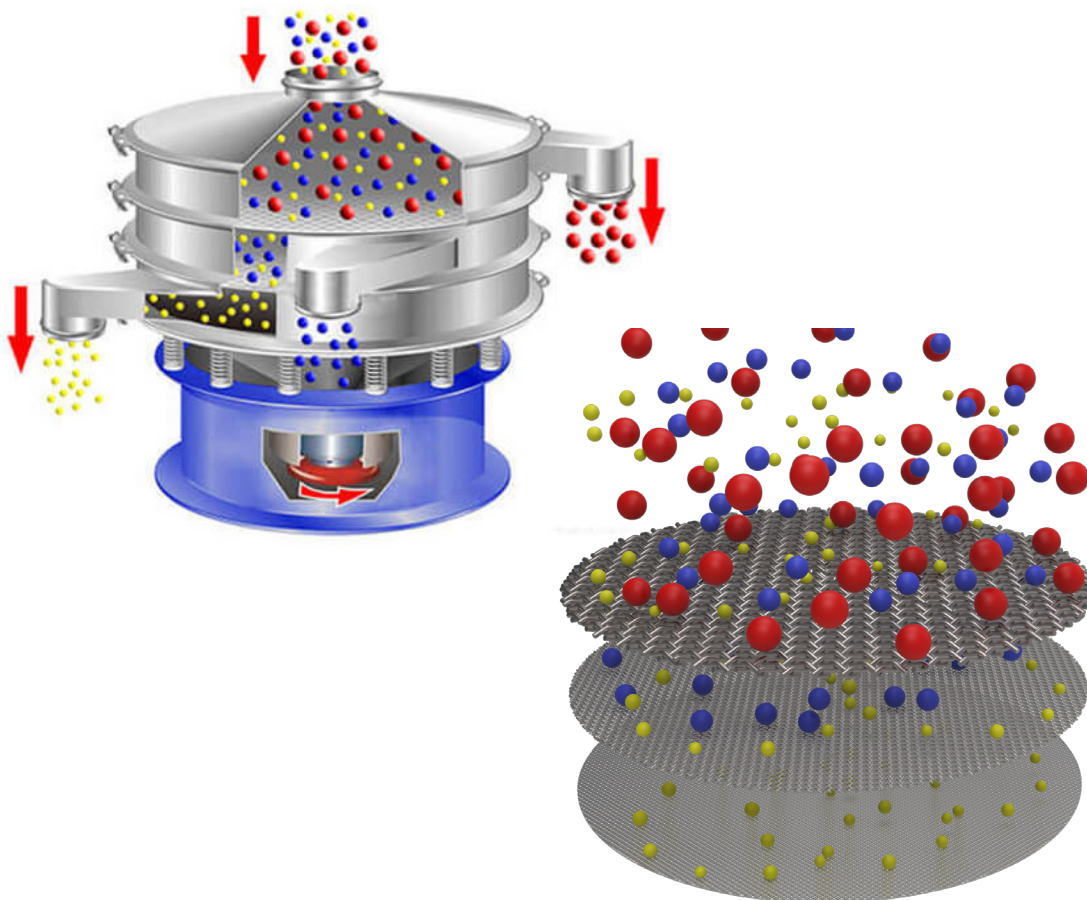
# Rotary Vibrating Screen Mesh



ROTARY VIBRATING SCREEN MESH

# Working Principle

Rotary vibrating screen machine often adopts 1–3 layers of sieve screen in different count mesh as filter material. When the machine begins to work, materials to be screened enters from the feed port. Through the rotary vibration, materials are fully moved and pass through various layers of sieve screen. Particles of different grades are discharged from the different outlet, achieving the purpose of grading, screening, impurity removal, filtration and so on.



ROTARY VIBRATING SCREEN MESH

# Specification

**Sieve screen material:** 304, 304L, 316, 316L

**Manufacturing process:** weaving

**Sieve screen diameter:** 320–1750 mm

**Wire diameter:** 0.025–2 mm

**Mesh:** 3-508 mesh

**Aperture width:** 0.025–6.87 mm

**Open area:** 25% – 71%

Rotary Vibrating Screen Fine Mesh

Mesh Count	Wire Diameter (mm)	Aperture Width (mm)	Open Area (%)	Mass (kg/m <sup>2</sup> )	Aperture Quantities/cm <sup>2</sup>
508	0.025	0.025	25	0.159	40000
450	0.027	0.03	27.7	0.162	31388
400	0.027	0.036	32.7	0.147	24800
363	0.03	0.04	32.7	0.163	20424
325	0.035	0.043	30.4	0.199	16372
314	0.036	0.045	30.9	0.203	15282
265	0.04	0.056	34	0.212	10885
250	0.04	0.063	37.4	0.197	9688
210	0.05	0.071	34.4	0.262	6836
202	0.055	0.071	31.8	0.305	6325
200	0.053	0.074	34	0.281	6200
200	0.05	0.08	37.9	0.244	6200
188	0.055	0.08	35.1	0.285	5478
170	0.055	0.094	39.8	0.258	4480
150	0.071	0.1	34.6	0.366	3488
154	0.065	0.1	36.7	0.325	3676
200	0.03	0.1	61	0.078	6200
150	0.06	0.11	41.9	0.269	3488
130	0.08	0.112	34	0.423	2620
140	0.06	0.12	44.4	0.254	3038
120	0.09	0.12	32.7	0.49	2232
124	0.08	0.125	37.2	0.396	2383
110	0.09	0.14	37.1	0.447	1876
106	0.1	0.14	34	0.529	1742
100	0.11	0.14	31.4	0.615	1550
100	0.1	0.15	36	0.508	1550
100	0.1	0.16	37.9	0.488	1550
91	0.12	0.16	32.7	0.653	1284
80	0.14	0.18	31.6	0.784	992
84	0.1	0.2	44.4	0.42	1094
79	0.12	0.2	39.1	0.572	967
77	0.13	0.2	36.7	0.65	919
46	0.15	0.4	52.9	0.505	328
70	0.1	0.261	52	0.354	760
65	0.1	0.287	54.6	0.331	655
61	0.11	0.306	53.6	0.307	577
56	0.11	0.341	56.8	0.283	486
52	0.12	0.372	56.8	0.374	419
47	0.12	0.421	60.3	0.342	342
42	0.13	0.472	61.2	0.306	273

## Rotary Vibrating Screen Coarse Mesh

Mesh Count	Wire Diameter (mm)	Aperture Width (mm)	Open Area (%)	Mass (kg/m <sup>2</sup> )	Aperture Quantities/cm <sup>2</sup>
3	1.6	6.87	65.8	3.61	1.4
3.6	2	5.06	51.3	6.77	2.01
4	1.2	5.15	65.8	2.71	2.48
4	1.6	4.75	56	4.81	2.48
5	1.2	3.88	58.3	3.38	3.88
5	1.6	3.48	46.9	6.02	3.88
6	0.9	3.33	62	2.28	5.58
6	1.2	3.03	51.3	4.06	5.58
8	0.7	2.48	60.8	1.84	9.92
8	1	2.18	46.9	3.76	9.92
8	1.2	1.98	38.7	5.41	9.92
10	0.4	2.14	71	0.75	15.5
10	0.5	2.04	64.5	1.18	15.5
10	0.6	1.94	58.3	1.69	15.5
12	0.4	1.72	65.8	0.9	22.32
12	0.5	1.62	58.3	1.41	22.32
12	0.65	1.47	48	2.38	22.32
14	0.5	1.31	52.5	1.65	30.38
16	0.4	1.19	56	1.2	39.68
16	0.5	1.09	46.9	1.88	39.68
18	0.4	1.01	51.3	1.35	50.22
18	0.5	0.91	41.7	2.12	50.22
20	0.3	0.97	58.3	0.85	62
20	0.35	0.92	52.5	1.15	62
20	0.4	0.87	46.9	1.5	62
20	0.5	0.77	36.8	2.35	62
24	0.36	0.7	43.5	1.46	89.28
30	0.25	0.6	49.7	0.88	139.5
30	0.3	0.55	41.7	1.27	139.5
35	0.25	0.5	44.4	1.03	189.9
40	0.2	0.44	46.9	0.75	248
40	0.25	0.39	36.8	1.18	248
45	0.25	0.31	31	1.32	313.88
50	0.18	0.33	41.7	0.76	387.5
50	0.2	0.31	36.8	0.94	387.5
50	0.23	0.28	29.9	1.24	387.5
60	0.12	0.3	51.3	0.41	558
60	0.16	0.26	38.7	0.72	558
60	0.18	0.24	33	0.91	558
70	0.12	0.24	44.8	0.48	759.5
80	0.12	0.2	38.7	0.55	992

# Features & Application

## Features

- It can be used with single or multi-layer screen cloth.
- High screening precision, high efficiency, suitable for any powder, grain and mucus materials.
- The screen can reach 508 meshes and filtration rating is up to 5 μm
- Automatic discharge of impurities, coarse materials, continuous operation.
- New grid structure, long service life of screen cloth, only 3–5 min for screen replacement.
- Easy replacement, no dead corner of parts, easy to operate and clean

## Application



### Chemical

- Resin sand
- Pigment
- Paint
- Sodium carbonate, etc.



### Metallurgy

- Titanium oxide
- Zinc oxide
- Electromagnetic material
- Metal powder, etc.



### Ceramic

- Aluminum oxide
- Quartz sand
- Slurry
- Spray soil particles, etc.



### Pharmaceutical

- Chinese herbal powder
- Chinese herbal liquid
- Western medicine powder
- Chinese and Western medicine granules, etc.



### Food

- Sugar
- Salt
- Soda
- Ajinomoto, etc.



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