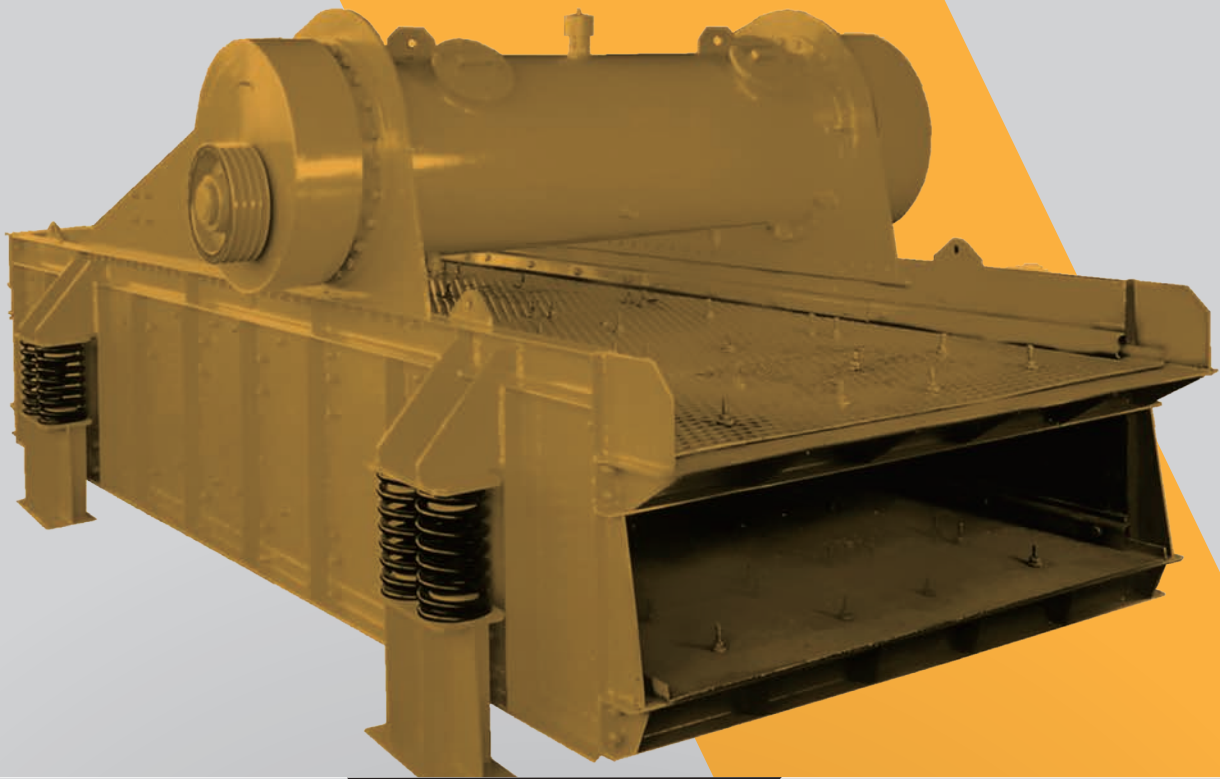
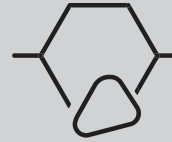


www.fong-chuan.com

VIBRATING SCREEN



FONG CHUAN
MACHINERY

**SINCE
1982'**

**COMPLETE STONE
CRUSHER PLANT
EQUIPMENT
AS WELL AS WASTE
RECYCLING EQUIPMENT.**



Supply



Crushing



Screening

Classification

Application

- ➔ Construction, building materials industry
- ➔ Mining, gravel industry
- ➔ Rock quarries, bark dust, topsoil manufacturers
- ➔ Resource Recycling, waste disposal treatment industry

COMPANY PROFILE



The service range of Fong Chuan Machinery Co., Ltd covers technical advisory, planning, design, manufacture, installation, maintenance, after-sale service and personnel training of complete stone crusher plant equipment as well as waste recycling equipment. For decades, the manufacture of our product takes a focus on engineering quality and production efficiency, and aims to bring more elaborate, ease as well as a lower consumption rate in the use and maintenance of the product. With a good will to help customers to reduce cost and promote productivity, the professional team of our company is well ready to provide specific solutions concerning crushing and screening on different application through an optimized design as well as manufacture/ production process.



VIBRATING SCREEN

INTRODUCTION

The Fong-Chuan Vibrating Screen Series are firmly constructed from an elaborate design — a pair of eccentric shafts are levelly and symmetrically mounted in the driving system of the vibrating screen, out of which violent vibration forces are generated in regular cycles. The mesh of the screen sieve on the vibrating screen is calculated and produced in the light of the varied particle size, specific gravity, dryness and viscosity of the screening materials. All these ensure a large quantity of final product with an even particle size and a clean appearance can be obtained by the end of the screening process. The Fong-Chuan Vibrating Screens have long enjoyed a good reputation in the business and their application has been extended into the fields such as sand and gravel aggregate screening, classification work for environmental protection, incinerator residue segregation, solid waste processing, smelting by-product isolation and sorting of building materials for remanufacturing purpose.

According to the feeding granularity, specific gravity, dryness and viscosity of the screening materials as well as the amount of production expected by a customer, a double-deck or a triple-deck vibrating screen can be supplied by Fong Chuan Machinery Co., Ltd.

Functions of the Fong-Chuan Vibrating Screens

- Screening materials;
- Flushing and cleansing materials;
- Adjusting and preparing materials;
- Aiding with the feeding of materials.

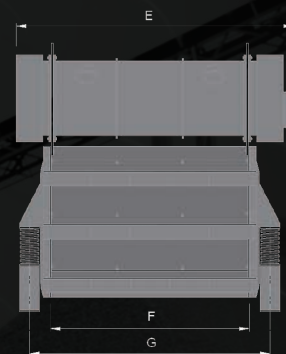
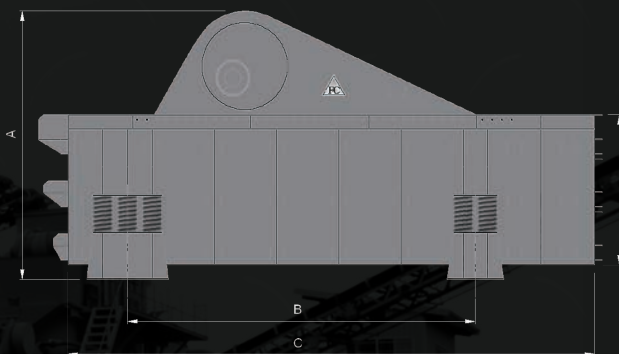
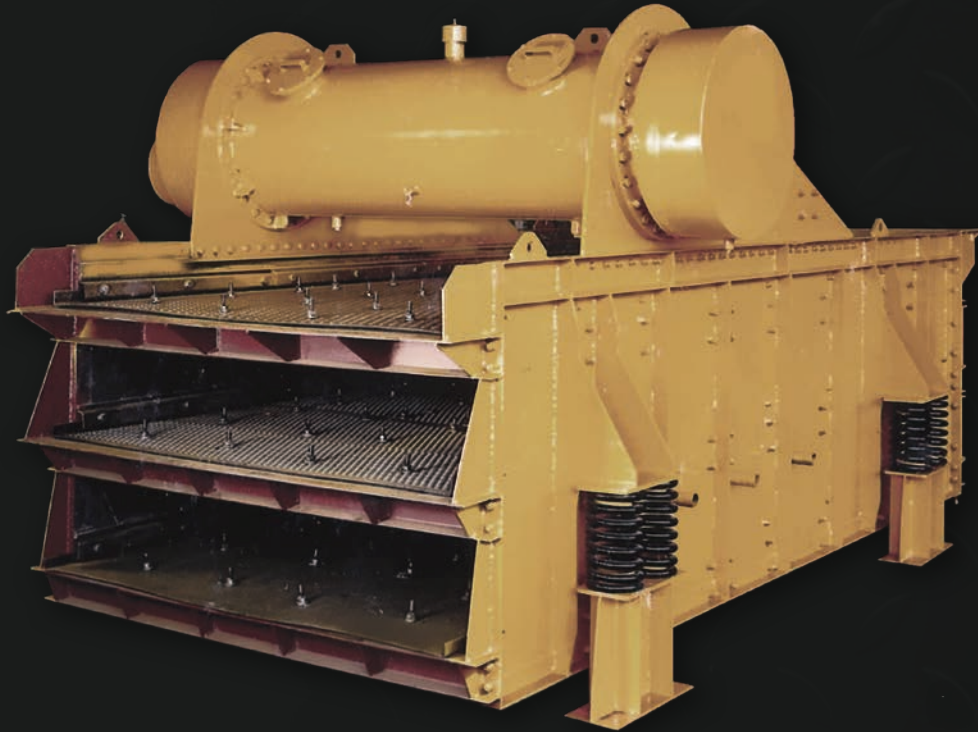
Benefits of the Fong-Chuan Vibrating Screens

- Accurate engineering calculation ensures excellent screening results and low blockage of the sieve;
- Low energy consumption;
- Extensive application;
- The screen is convenient to replace;
- Low cost for maintenance;
- Easy to operate, no staff is needed to be charged with the supervisory duty.

FULL FIGURE



Screening



COMPONENTS

Eccentric Shaft

The two eccentric shafts are made of carbon tool steel with high tensile strength and high hardness. The shafts are matched with high-quality bearings imported from Japan to facilitate a high workload as well as to ensure outstanding stability which is essential to a smooth screening process.



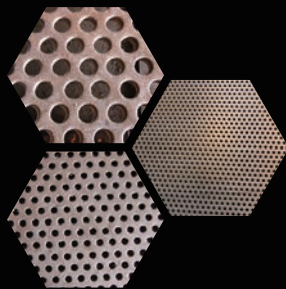
Eccentric Shaft

With a pair of level and symmetric eccentric shafts, centrifugal forces in two opposite directions are generated and periodical vibrations with large magnitude are obtained. The screening materials move horizontally in bouncing paces so that a continuous screening effect is achieved in the meantime.



Eccentric Shaft

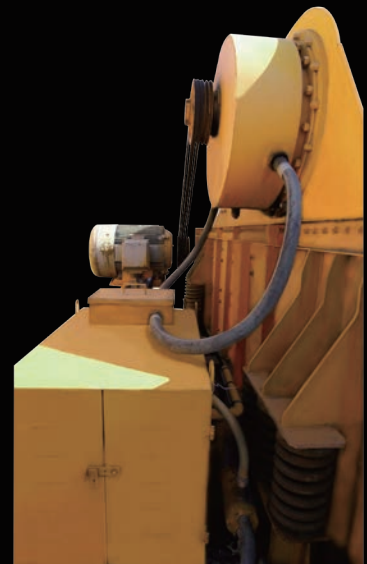
The mesh of the sieve is carefully calculated and designed on the basis of the varied feeding granularity, specific gravity, dryness and viscosity of the screening materials. With the blockage of the vibrating screen being ingeniously prevented, product with an even particle size comes into being in a highly efficient way.



Oil cooling circulating system

The oil cooling circulating system is a new feature of the FongChuan Vibrating Screen Series. Driven by the hydraulic pressure, cooling water is transported from an external system to the main drive continuously, in order to adjust the high temperature of lubricant generated by bearing friction and maintain the best operating temperature range. The wearing of the bearing at the high temperature resulted from the vibrating operation can be reduced by the cooling water, which helps extending bearing life, ensuring the screening work can proceed as stably smoothly as possible.

MAINFRAME OF VIBRATING SCREEN



OVERALL DIMENSIONS

Model	Screen size (mm)	Deck	Screen Mesh (mm)	Motor power		Vibrating frequency (R.P.M.)	Weight (KG)
				HP	P		
FCVS- 408	1200×2400	2	0.3- 100	10	6	780- 980	3000
FCVS- 410	1200×3000	2	0.3- 100	10	6	780- 980	3500
FCVS- 510	1500×3000	2	0.3- 100	20	6	780- 980	4000
FCVS- 512	1500×3600	2	0.3- 100	20	6	780- 980	4500
FCVS- 612	1800×3600	2	0.3- 100	25	6	780- 980	5500
FCVS- 616	1800×4800	2	0.3- 100	40	6	780- 980	6500
FCVS- 618	1800×5400	2	0.3- 100	60	6	780- 980	7000
FCVS- 718	2100×5400	2	0.3- 100	60	6	780- 980	9000
FCVS- 720	2100×6000	2	0.3- 100	60	6	780- 980	10000
FCVS- 820	2400×6000	2	0.3- 100	75	6	780- 980	13000
FCVS- 820	2400×6000	2	0.3- 100	75	6	780- 980	13000

Model	Screen size (mm)	Deck	Screen Mesh (mm)	Motor power		Vibrating frequency (R.P.M.)	Weight (KG)
				HP	P		
FCVS- 510	1500×3000	3	0.3- 100	20	6	780- 980	6000
FCVS- 512	1500×3600	3	0.3- 100	25	6	780- 980	6500
FCVS- 612	1800×3600	3	0.3- 100	25	6	780- 980	7000
FCVS- 616	1800×4800	3	0.3- 100	60	6	780- 980	8500
FCVS- 618	1800×5400	3	0.3- 100	60	6	780- 980	10000
FCVS- 718	2100×5400	3	0.3- 100	75	6	780- 980	13000
FCVS- 720	2100×6000	3	0.3- 100	75	6	780- 980	14000
FCVS- 820	2400×6000	3	0.3- 100	75	6	780- 980	18000
FCVS- 720	2100×6000	2	0.3- 100	60	6	780- 980	10000
FCVS- 820	2400×6000	2	0.3- 100	75	6	780- 980	13000
FCVS- 820	2400×6000	2	0.3- 100	75	6	780- 980	13000

Note: Technical data may change due the technical progress.
Specifications and dimensions are subject to modification without notice.

VIBRATING SCREEN DIMENSIONS

Model	Screen size (mm)	Deck	Dimentions (mm)						
			A	B	C	D	E	F	G
FCVS- 408	1200×2400	2	2100	2200	2400	1100	2080	1200	1700
FCVS- 410	1200×3000	2	2100	2200	3000	1100	2080	1200	1700
FCVS- 510	1500×3000	2	2100	2450	3000	1100	2230	1500	2000
FCVS- 512	1500×3600	2	2100	2450	3600	1100	2230	1500	2000
FCVS- 612	1800×3600	2	2200	3000	3600	1100	2580	1800	2300
FCVS- 616	1800×4800	2	2200	3000	4800	1100	2660	1800	2300
FCVS- 618	1800×5400	2	2200	3000	5400	1100	2740	1800	2300
FCVS- 718	2100×5400	2	2200	3600	5400	1100	2740	2100	2600
FCVS- 720	2100×6000	2	2200	3750	6000	1100	3030	2100	2600
FCVS- 820	2400×6000	2	2700	3750	6000	1100	3030	2400	2900

Model	Screen size (mm)	Deck	Dimentions (mm)						
			A	B	C	D	E	F	G
FCVS- 510	1500×3000	3	2600	2450	3000	1530	2250	1500	2000
FCVS- 512	1500×3600	3	2600	2450	3600	1530	2250	1500	2000
FCVS- 612	1800×3600	3	2600	3000	3600	1530	2580	1800	2300
FCVS- 616	1800×4800	3	2630	3000	4800	1530	2740	1800	2300
FCVS- 618	1800×5400	3	2630	3600	5400	1530	2760	1800	2300
FCVS- 718	2100×5400	3	2700	3600	5400	1530	3040	2100	2600
FCVS- 720	2100×6000	3	2700	3750	6000	1530	3040	2100	2600
FCVS- 820	2400×6000	3	2800	3750	6000	1530	3040	2400	2900
FCVS- 720	2100×6000	2	2200	3750	6000	1100	3030	2100	2600
FCVS- 820	2400×6000	2	2700	3750	6000	1100	3030	2400	2900

Note: Technical data may change due the technical progress.
Specifications and dimensions are subject to modification without notice.



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