CONCRETE BATCHING PLANT
CRUSHING PLANT

Company address: No.67, Jinzhou Avenue, Yuelu District, Changsha City, Hunan Province。
Factory address: East Sanhuan Rd., Ningxiang National Economic & Technological Development Zone, Changsha, Hunan
Web：www.runhbatchplant.com
Email：cs-runh@foxmail.com
Tel：+86 18674382958 / +86 18674385778

Website

Facebook

长沙润杭机械有限公司
CHANGSHA RUNH MACHINERY CO., LTD.

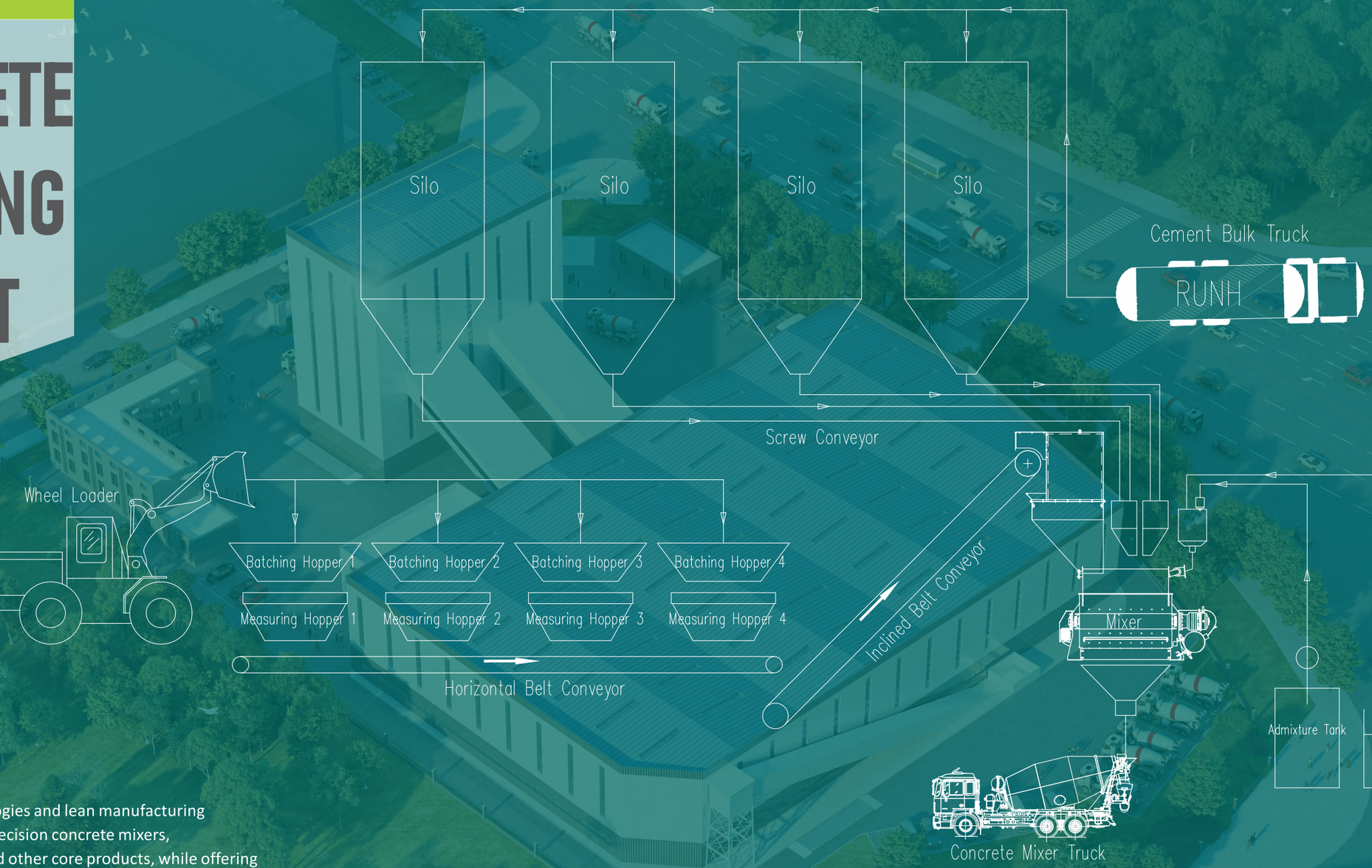
Company Introduction

CHANGSHA RUNH MACHINERY CO., LTD

We are a research and development, manufacturing, and system integration supplier for Concrete Batching Plant, Mine Crushing Plant, Belt Conveyor, and more. Committed to serving global equipment enterprises and end-users, providing research and development, manufacturing, and overall solutions for core components/complete machines.

CONTENTS

CONCRETE BATCHING PLANT



Leveraging innovative technologies and lean manufacturing capabilities, we deliver high-precision concrete mixers, intelligent control systems, and other core products, while offering customized complete equipment and full life cycle services encompassing design, installation, operation, and maintenance. Our solutions empower clients to achieve efficient production with optimized costs and enhanced operational efficiency.

The parameters in this sample are for reference only. The actual parameters of the product shall prevail.

MOBILE CONCRETE BATCHING PLANT

It is suitable for occasions that need to be relocated frequently. All components are designed on an integral chassis, which can be transported by axles and tires.

Technical Parameters

Model	HZSY25	HZSY35	HZSY60	HZSY90	HZSY120
Theoretical productivity(m^3/h)	25	35	60	90	120
Installed capacity(kw)	60	65	100	120	160
Nominal capacity(l)	500	750	1000	1500	2000
Unloading height(m)	≥2.8	≥3.8	≥3.8	≥3.8	≥3.8
Sandstone measuring range and accuracy(kg)	(200-1000)±2%	(300-1500)±2%	(400-2000)±2%	(600-3000)±2%	(800-3500)±2%
Cement measuring range and accuracy(kg)	(50-300)±1%	(80-400)±1%	(100-600)±1%	(150-800)±1%	(200-1000)±1%
Water measuring range and accuracy(kg)	(30-100)±1%	(50-150)±1%	(60-200)±1%	(100-300)±1%	(120-400)±1%
Additive measuring range and accuracy(kg)	(0-10)±1%	(0-10)±1%	(5-20)±1%	(10-30)±1%	(15-35)±1%

ENGINEERING CONCRETE BATCHING PLANT

Applicable to various engineering projects, a special concrete mixing plant customized for engineering projects.

Technical Parameters

Model	HZSG60	HZSG90	HZSY120	HZSY180
Theoretical productivity(m^3/h)	60	90	120	180
Installed capacity(kw)	100	190	210	250
Nominal capacity(l)	1000	1500	2000	3000
Unloading height(m)	≥3.8	≥3.8	≥3.8	≥3.8
Sandstone measuring range and accuracy(kg)	(600-2500)±2%	(600-2000)±2%	(600-2000)±2%	(900-3000)±2%
Cement measuring range and accuracy(kg)	(100-700)±1%	(200-1200)±1%	(200-1200)±1%	(300-1800)±1%
Mixing powder measuring range and accuracy(kg)	/	(200-800)±1%	(200-800)±1%	(200-1000)±1%
Water measuring range and accuracy(kg)	(80-250)±1%	(150-400)±1%	(150-400)±1%	(200-800)±1%
Additive measuring range and accuracy(kg)	(8-20)±1%	(15-50)±1%	(15-50)±1%	(15-80)±1%

COMMERCIAL CONCRETE BATCHING PLANT

Suitable for large and medium-sized commercial concrete customers, with the best performance and the most comprehensive configuration. Production is efficient, precise and intelligent.

Technical Parameters

Model	HZS120	HZS180	HZS240	HZS270	HZS300
Theoretical productivity(m^3/h)	120	180	240	270	300
Installed capacity(kw)	210	250	280	350	350
Nominal capacity(l)	2000	3000	4000	4500	5000
Unloading height(m)	≥3.8	≥3.8	≥3.8	≥3.8	≥3.8
Sandstone measuring range and accuracy(kg)	(600-2000)±2%	(900-3000)±2%	(900-4500)±2%	(900-5000)±2%	(900-5000)±2%
Cement measuring range and accuracy(kg)	(200-1200)±1%	(300-1800)±1%	(400-2500)±1%	(400-2600)±1%	(400-2600)±1%
Mixing powder measuring range and accuracy(kg)	(200-800)±1%	(200-1000)±1%	(200-1200)±1%	(300-1800)±1%	(300-1800)±1%
Water measuring range and accuracy(kg)	(150-500)±1%	(200-800)±1%	(200-1000)±1%	(200-1200)±1%	(200-1200)±1%
Additive measuring range and accuracy(kg)	(15-50)±1%	(15-80)±1%	(15-80)±1%	(20-100)±1%	(20-100)±1%

DUAL-PURPOSE CONCRETE BATCHING PLANT

One Station, Dual Purpose" — a concrete and ready-mixed mortar dual-use batching plant, professionally customized according to customer requirements.

Technical Parameters

Model	HZSD60	HZSD120	HZSD180
Theoretical productivity(m^3/h)	30	60	90
Installed capacity(kw)	120	210	250
Nominal capacity(l)	1000	2000	3000
Unloading height(m)	≥3.8	≥3.8	≥3.8
Sandstone measuring range and accuracy(kg)	(400-1500)±2%	(600-2000)±2%	(900-3000)±2%
Cement measuring range and accuracy(kg)	(100-700)±1%	(200-1200)±1%	(300-1800)±1%
Mixing powder measuring range and accuracy(kg)	\	(200-800)±1%	(200-1000)±1%
Water measuring range and accuracy(kg)	(80-250)±1%	(150-500)±1%	(200-800)±1%
Additive measuring range and accuracy(kg)	(8-20)±1%	(15-50)±1%	(15-80)±1%

QUICK-INSTALL CONCRETE BATCHING PLANT

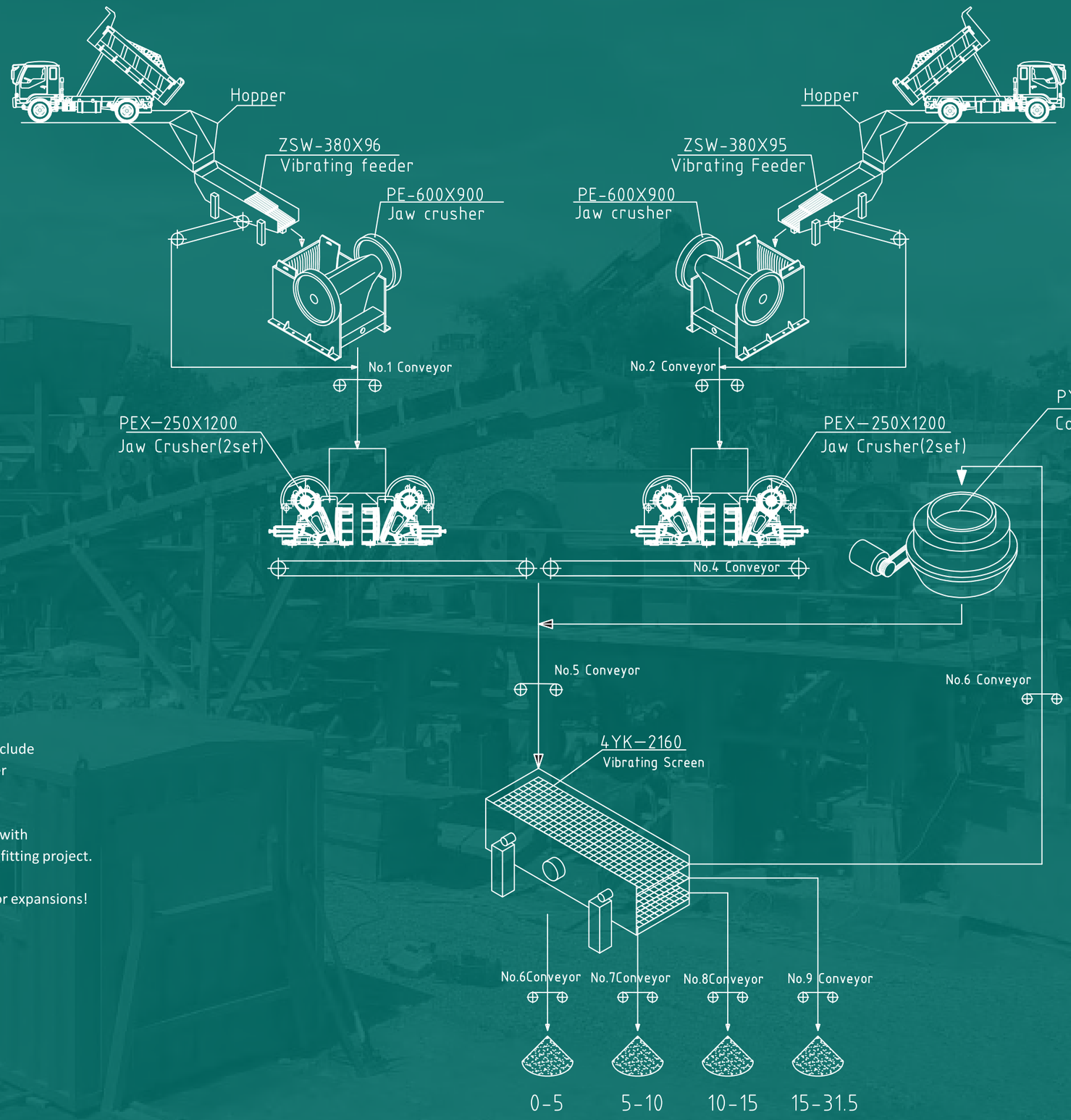
Super integrated modular design allows the core components, such as the concrete mixer, aggregate silo, powder silo, control system, etc., to be integrated into a 40HQ container space.

Technical Parameters

Model	HZSK25	HZSK35	HZSK50	HZS80
Theoretical Productivity(m^3/h)	25	35	60	90
Installed Capacity(kW)	60	65	100	120
Nominal Capacity(L)	500	750	1000	1500
Unloading Height(m)	≥3.8	≥3.8	≥3.8	≥3.8
Sandstone Measuring Range and Accuracy(kg)	(200-1000)±2%	(300-1500)±2%	(400-2000)±2%	(600-3000)±2%
Cement Measuring Range and Accuracy(kg)	(50-300)±1%	(80-400)±1%	(100-600)±1%	(150-800)±1%
Water Measuring Range and Accuracy(kg)	(30-100)±1%	(50-150)±1%	(60-200)±1%	(100-300)±1%
Additive Measuring Range and Accuracy(kg)	(0-10)±1%	(0-10)±1%	(5-20)±1%	(10-30)±1%

PROJECT CASES

CRUSHER PLANT



We offer to identify and deliver the peripheral plant components for RUNH crushing systems according to your needs. These components include conveying systems and batchers, all the relevant spare parts for crusher machinery, and anything else you require.

We design and dimension plant components that are precisely aligned with your on-site conditions. We are also happy to assist you with your retrofitting project.

Simply contact us when you need help with new systems, retrofitting, or expansions!

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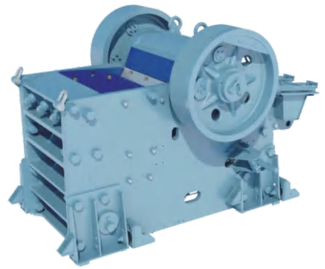
JAW CRUSHER

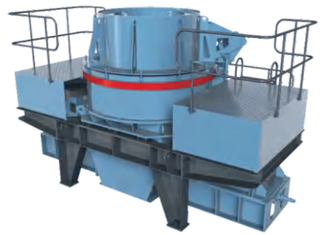


Advanced crushing technology, riveting, bolting, and non-welding frame design gives it excellent anti-fatigue strength, even in the most severe operating environment and industrial and mining conditions, but also has excellent reliability and production capacity, but also has easy installation and transportation, high operation safety, easy maintenance, high energy efficiency ratio, low site engineering costs and other characteristics.

Technical Parameters

Model	Feed opening size(mm)	Max.feeding size(mm)	Adjustable range of discharge opening(mm)	Capacity (t/h)	Electric motor power(kw)	Weight (t)	Dimension (mm)
PE500×750	500×750	425	50-100	45-100	55	10.1	1892×2054×1853
PE600×900	600×900	500	65-160	70-150	55-75	15.5	2520×1840×2303
PE750×1060	750×1060	630	80-140	120-220	110	28	2450×2410×2860
PE800×1060	800×1060	650	100-200	140-240	110	30	2660×2556×2800
PEX250×1000	250×1000	210	25-60	16-52	30-37	6.5	1530×1992×1380
PEX250×1200	250×1200	210	25-60	20-60	37	7.7	1750×2192×1430
PEX300×1300	300×1300	250	20-90	20-90	55	11	1900×2320×1724

VERTICAL IMPACT CRUSHER

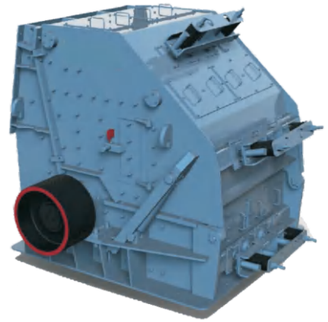


With the function of fine grinding and coarse grinding, it can break medium hard and extra hard materials. The equipment performs well in operational indicators such as safety, capacity, yield, product granularity and cost of wear parts.

Technical Parameters

Model	Soft material max.feeding size(mm)	Hard material max.feeding size(mm)	Sand making throughput capacity(t/h)	Shaping throughput capacity(t/h)	Speed of main shaft(r/min)	Motor power (KW)	Dimension (mm)
VSI1145	50	45	500-640	250-360	1100-1310	220×2	5000×2790×3320
VS19532	45	40	350-540	180-280	1300-1510	160×2	4560×2600×2900
VS18522	40	35	240-380	120-190	1500-1700	110×2	4140×2500×2700
VSI7615	35	30	150-280	70-140	1700-1900	75×2	4100×2330×2300
VSI1140	50	45	450-520	225-260	1180-1310	200×2	5100×2690×3200
VS19526	45	40	300-380	150-190	1360-1510	132×2	4560×2450×2780
VS18518	40	35	200-260	100-130	1520-1690	90×2	4140×2280×2425
VSI7611	35	30	120-180	60-90	1700-1890	55×2	4100×2250×2258

IMPACT CRUSHER

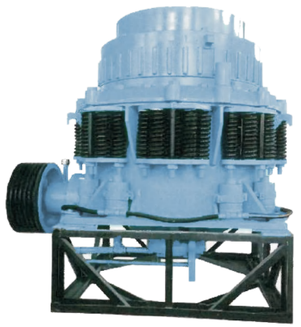


Using special crushing method, crushing ratio is large, the finished product particle size is uniform, cube-like, no tension and cracks, low proportion of needle sheet material. It can crush ores and various rocks with high pressure strength not exceeding 320MPa and feed particle size conforming to the requirements in the technical parameter table. This series of products adopts the new technology to effectively prevent the whole fall off of the counterattack frame and prevent the collision between the counterattack liner and the plate hammer, which greatly enhances the safety of the product.

Technical Parameters

Model	Feeding opening size(mm)	Max Feeding size(mm)	Capacity(t/h)	Power(kw)	Weight(t)	Dimension(mm)
PF-1010	1080×400	350	50-80	75	12.6	2532×1985×2796
PF=1210	1080×400	350	80-130	110	14	2638×2037×2713
PF-1214	1430×400	350	100-160	132	18.5	2580×2400×2810
PF-1315	1520×860	350	140-200	220	19.3	2840×2748×2556
PF-1316	1640×880	350	150-220	200	19.5	3096×2900×2667
PF-1515	1640×900	360	240-290	260-280	26.5	3400×3550×3285
PFV-1010	1080×400	350	60-100	75	13.2	2500×1985×2800
PFV-1210	1080×400	350	70-150	110	15.2	2620×2035×2730
PFV-1214	1430×400	350	100-200	132	18.6	2570×2500×2800
PFV-1315	1520×860	350	150-300	220	24.5	2950×3050×2400

CONE CRUSHER



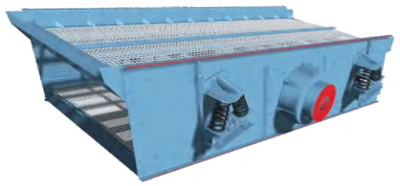
Spring cone crusher features a compact structure and high production efficiency. The standard type is suitable for medium crushing, the medium type and short head type are for fine crushing and are widely applied in mining, building, water conservancy, chemical industry, and other fields.

Technical Parameters

Model	The diameter of the conical chamber (mm)	Max.feed size(mm)	Adjustable range of discharge opening (mm)	Capacity (t/h)	Electric motor power (kw)	Swing frequency of drive-shaft (r/min)	Weight (t)	Dimensions (mm)
PYB900	900	115	12-50	50-90	55	333	11.2	2692×1640×2350
PYZ900	900	60	5-20	20-65	55	333	11.2	2692×1640×2350
PYD900	900	50	3-13	15-50	55	333	11.3	2692×1640×2350
PYB1200	1200	145	20-50	110-168	110	300	24.7	2790×1878×2844
PYZ1200	1200	100	8-25	42-135	110	300	25	2790×1878×2844
PYD1200	1200	50	3-15	18-105	110	300	25.3	2790×1878×2844

VIBRATING SCREEN

The vibrating screen with circular motion is specially designed for the quarry to separate crushed stone material into different sizes, and is also used as a grading machine in coal dressing, or dressing, construction material, electric, and chemical industries. It features an eccentric structure, powerful vibrating forces, low vibration, easy maintenance, high durability and etc.

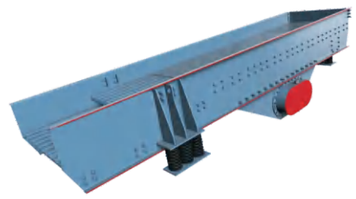


Technical Parameters

Model	Screen deck	Screen size (mm)	Max.feed size(mm)	Capacity (t/h)	Electric motor power (kw)	Weight (t)	Dimension (mm)
2YK-1548	2	1500×4800	400	50-200	15	5.8	5906×2100×1600
3YK-1548	3	1500×4800	400	50-250	15	6.87	5906×2100×1900
2YK-1854	2	1800×5400	400	50-300	18.5	6.77	6509×2536×1810
3YK-1854	3	1800×5400	400	50-300	22	8.28	6509×2536×1910
2YK-2160	2	2100×6000	400	100-400	30	9.68	7150×2670×2120
3YK-2160	3	2100×6000	400	100-400	30	10.2	7150×2670×2270
4YK-2160	4	2100×6000	400	100-400	37	11.8	7150×2670×2650
2YK-2460	2	2400×6000	400	150-600	30	10.2	7150×2900×1950
3YK-2460	3	2400×6000	400	150-600	30	12.35	7150×2900×2350
4YK-2460	4	2400×6000	400	150-600	37	13.7	7150×2900×2350
2YK-3070	2	3000×7000	400	200-800	22×2	16	7970×4465×4764
3YK-3070	3	3000×7000	400	200-800	30×2	17	7970×4465×4822

VIBRATING FEEDER

Vibrating feeders achieve material conveying through vibration. They feed materials uniformly to stabilize the load of the production line; some models can perform rough screening, loosen materials to prevent blockage, and adjust the feeding quantity. They feature a simple structure for easy maintenance, uniform and stable feeding, low energy consumption with high efficiency, adaptability to various materials, flexible installation, easy automatic control, low noise, and stable operation.



Technical Parameters

Model	Hopper size (mm)	Max.feed size(mm)	Capacity (t/h)	Electric motor power(kw)	Weight (t)	Dimensions (mm)
GZD-490×110	4900×1100	900	120-300	5.5×2	4	5200×1900×950
GZD-500×120	5000×1200	1000	200-400	5.5×2	5.2	5450×2000×900
ZSW-380×96	3800×960	700	100-250	11	4.21	3882×1684×1340
ZSW-490×110	4900×1100	800	120-300	15	5.41	4957×1841×1365
ZSW-590×110	5900×1100	900	200-350	22	6.05	6000×1841×1365
ZSW-600×130	6000×1300	1000	400-600	22-30	7.5	6028×2580×2083
ZSW-600×150	6000×1500	1000	450-650	30-37	8.7	6271×2369×2698

BELT CONVERYOR

The belt conveyor of mine crushing has the characteristics of short length, mutual interpenetration, cooperation and overlapping with crushing equipment, and different bulk sizes of conveyed materials. It has the requirements of compact product structure, small occupied space, large transportation volume, strong climbing ability, low operating cost and convenient use and maintenance. It also needs to realize the automatic control of the transportation system.

Technical Parameters

V, m/s / B, mm / Qv, m³/h	0.80	1.00	1.25	1.60	2.00	2.50	3.15
500	67	85	106	137	172	215	–
650	125	157	196	252	316	395	–
800	196	246	308	395	494	618	779
1000	322	403	505	647	809	1012	1276
1200	-	591	740	949	1186	1484	1870
1400	-	823	1030	1319	1650	2063	2600
1600	-	-	-	-	2184	2731	3442
1800	-	-	-	-	2795	3493	4402
2000	-	-	-	-	3470	4337	5465

Notes: “B” stands for belt width in mm; “V”stands for the running speed of the belt, measured by m/s. The capacity “Qv” value is calculated for horizontal transport with a dynamic stacking Angle of 20° and an idler groove Angle of 35° .The converying capacity are for reference only. Please contact with our technical department for the specific calculation of conveying capacity.

PROJECT CASES

Long Distance Belt Conveyor Project for Indonesia

Belt Conveyor Project in Jiangxi

FACTORY EQUIPMENT DISPLAY

Truss Automatic Welding Production Line

Truss Production Line

Automatic Powder Spraying Production Line

Coating Pretreatment Production Line

Laser Cutting Machine

Manufacturing Workshop