MINTEX

Jaw Crusher

The jaw crusher crushes materials through the periodic movement of the movable jaw. It has high production capacity, a large crushing ratio and high crushing efficiency, and is usually used in the coarse crushing stage.

Scope of Application : Ballast, mining, coal mining, dry powder mortar, concrete mixing station, power plant desulfurization, quartz sand, etc.
Production capacity : 1 – 192 tph
Max particle : 80 – 630 mm

Model	Input Measure(mm)	Output Adjustment Range(mm)	Max particle（mm）	production capacity(T/h)	Eccentric wheel speed(r/min)	Dynamo power(KW)	Boundary dimension	Weight(kg)
PE-100×150	100×150	May-20	80	0.5-2	300	2.2	525×535×605	230
PE-150×250	150×250	Oct-40	125	02-Jun	300	5.5	875×745×935	1100
PE-200×350	200×350	Oct-50	160	06-Oct	300	7.5	1080×1060×1088	1600
PE-250×400	250×400	20-60	210	Aug-16	300	15	1108×1090×1392	1850
PE-250×500	250×500	20-80	210	13-21	300	18.5	1360×1450×1440	3100
PE-400×600	400×600	40-100	350	14-36	275	30	1650×1748×1520	5800
PE-500×750	500×750	50-120	400	30-80	250	45	1900×1876×1821	9000
PE-600×900	600×900	75-200	480	56-192	250	55-75	2280×2245×2320	18700
PEX-150×750	150×750	Oct-40	120	Aug-25	320	15	1210×1572×1045	2800
PEX-200×1000	200×1000	15-40	160	Dec-50	330	22	1860×1385×1200	5200
PEXS-250×750	250×750	20-60	210	10-745	320	22	1520×1728×1380	5000
PEX-250×1000	250×1000	20-50	210	15-50	330	30	1550×1990×1370	6500

Single Cylinder Hydraulic Cone Crusher

The single-cylinder hydraulic cone crusher is designed to efficiently crush hard rocks and minerals. With its single hydraulic system, it offers precise control over the crushing process, ensuring consistent particle sizes and optimizing productivity.

Scope of Application : construction stone crushing and metal ore crushing, etc.
Applicable Materials : high hardness rock material crushing, such as: pebbles, limestone, dolomite, granite.
Production capacity : 30 – 1000 tph

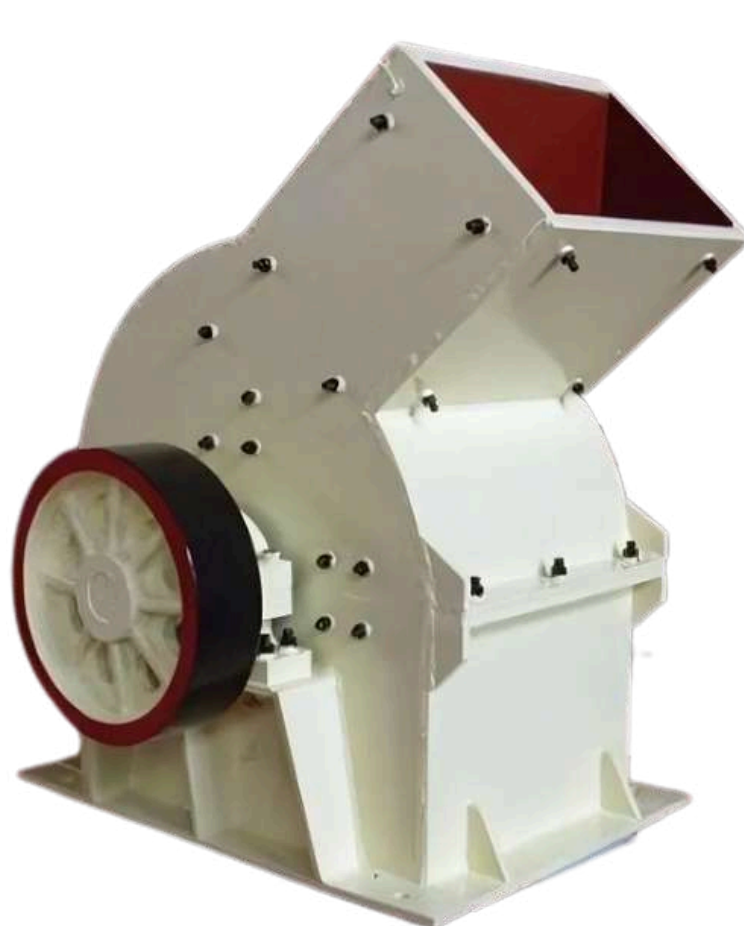| Model	Input Measure(mm)	Output Adjustment Range(mm)	Max particle（mm）	production capacity(T/h)	Eccentric wheel speed(r/min)	Dynamo power(KW)	Boundary dimension	Weight(kg)
PE-100×150	100×150	May-20	80	0.5-2	300	2.2	525×535×605	230
PE-150×250	150×250	Oct-40	125	02-Jun	300	5.5	875×745×935	1100
PE-200×350	200×350	Oct-50	160	06-Oct	300	7.5	1080×1060×1088	1600
PE-250×400	250×400	20-60	210	Aug-16	300	15	1108×1090×1392	1850
PE-250×500	250×500	20-80	210	13-21	300	18.5	1360×1450×1440	3100
PE-400×600	400×600	40-100	350	14-36	275	30	1650×1748×1520	5800
PE-500×750	500×750	50-120	400	30-80	250	45	1900×1876×1821	9000
PE-600×900	600×900	75-200	480	56-192	250	55-75	2280×2245×2320	18700
PEX-150×750	150×750	Oct-40	120	Aug-25	320	15	1210×1572×1045	2800
PEX-200×1000	200×1000	15-40	160	Dec-50	330	22	1860×1385×1200	5200
PEXS-250×750	250×750	20-60	210	10-745	320	22	1520×1728×1380	5000
PEX-250×1000	250×1000	20-50	210	15-50	330	30	1550×1990×1370	6500

Spring Cone Crusher

Hydraulic cone crusher(Superfine)								
Model	Type	feeding size	Max particle	Min discharge size		Max discharge size		Motor power	weight
				stroke	stroke	stroke	stroke		
PYY100				16	22	16	22	90	6000
	A	150	120	12	15	39	37		
	B	130	105	10	11	33	31		
	C	100	85	7	9	33	30		
	D	40	32	5	6	31	29		
PYY200				18	25	18	25	160	10600
	A	220	180	18	22	35	30		
	B	150	120	15	19	35	30		
	C	80	60	9	12	35	30		
	D	40	32	6	8	35	30		

A medium-fine crusher with a spring that acts as both a safety device and affects the crushing force. The crushing chamber is determined by the application of the ore: the standard type is suitable for medium crushing; the medium type is suitable for medium-fine crushing; and the short-head cone crusher is suitable for fine crushing.

Applicable material : ores and rocks with medium to high hardness, such as iron ore, copper ore, limestone, granite, quartz, etc.
Production capacity : 1 – 500 tph
Max particle : 1 – 300 mm

Hammer Crusher

Hydraulic cone crusher(Superfine)								
Model	Type	feeding size	Max particle	Min discharge size		Max discharge size		Motor power	weight
				stroke	stroke	stroke	stroke		
PYY100				16	22	16	22	90	6000
	A	150	120	12	15	39	37		
	B	130	105	10	11	33	31		
	C	100	85	7	9	33	30		
	D	40	32	5	6	31	29		
PYY200				18	25	18	25	160	10600
	A	220	180	18	22	35	30		
	B	150	120	15	19	35	30		
	C	80	60	9	12	35	30		
	D	40	32	6	8	35	30		

Hammer crusher is mainly used in the process of medium crushing. Its structure is relatively simple, mainly consists of body, top cover, rotor equipped with ring hammer, screen plate, screen plate adjustment device and so on. The rotor consists of spindle, end plate, ring hammer and other components, the motor drives the rotor to do high-speed rotation to achieve the role of crushing materials.

Applicable material : Above medium hardness ores and rocks, such as iron ore, copper ore, limestone, granite, quartz, etc.
Production capacity : 1 – 500 tph
Max particle : 1 – 300 mm

Ball Mill

Wet ball mills											
Model	barrel			Motor		boundary dimension			Effective volume(m3)	Max loading ball(t)	weight(kg)
	digmeter(mm)	length(mm)	speed(r/min)	Model	Power(kw)	length (mm)	width (mm)	height (mm)			
MQG 0918	900	1800	39.2	Y225M-8	22	4196	2336	2015	0.9	1.92	5340
MQG 1212	1200	1200	31.3	Y250M-8	30	4500	2104	1733	1.1	2.4	11438
MQG 1224	1200	2400	31.3	Y280M-8	45	5764	2104	1733	2.4	4.6	13200
MQG 1515	1500	1500	30.9	JR115-8	60	6094	2743	2170	2.5	5	13120
MQG 1530	1500	3000	30.9	JR117-8	80	6800	2743	2170	5.08	8.6	19166
MQG 1545	1500	4500	30.9	JR127-8	130	9085	3091	2170	6.57	11.3	22147
MQG 2122	2100	2200	24.05	JR128-8	155	7750	4450	3533	6.6	16	42500
MQG 2130	2100	3000	24.05	JR137-8	210	8330	4450	3533	9	20	44260
MQG 2145	2100	4500	24.05	JR138-8	245	9933	4450	3533	13	23.5	50348
MQG 2430	2400	3000	22.5	JR138-8A	280	8823	5113	3894	12.1	22.5	58328
MQG 2436	2400	3600	22.5	JR138-8B	320	9455	5113	3894	14.5	26	61308
MQG 2727	2700	2700	21.6	JR138-8B	320	8643	5722	4674	15.3	30	83145
MQG 2736	2700	3600	21.6	JR1510-8	400	10463	5942	4674	18.4	36	89120
MQG 2745	2700	4500	21.6	TDMK500-32	500	11471	5907	4674	23	45	109318
MQG 3236	3200	3600	18.5	TDMK630-36	630	12442	7030	5150	25.6	51	144241

Ball mill is widely used in mining, smelting, road construction, building materials, and chemicals. It is the key equipment for grinding materials after the crushing process. Ball mill is mainly composed of feeding part, feeding part, main bearing part, cylinder part, transmission part, discharging part and main motor.

Scope of application : Metallurgy, mining, building materials, chemical industry, etc.
Effective volume : 0.45 – 87 m³

Wet Overflow Ball Mill

Wet overflow ball mill											
Model	barrel			Motor		Boundary dimension(mm)			Effective volume(m3)	Max loading ball(t)	weight(kg)
	diameter(mm)	length(mm)	speed(r/min)	Model	Power(kw)	length	width	height			
MQY0918	900	1800	39.2	Y225M-8	22	4196	2336	2015	0.9	1.66	5340
MQY1212	1200	1200	31.3	Y250M-8	30	4500	2104	1733	1.1	2.4	11438
MQY1224	1200	2400	31.3	Y280M-8	45	5764	2104	1733	2.4	4.6	13200
MQY1515	1500	1500	30.9	JR115-8	60	6094	2743	2170	2.5	5	13120
MQY1530	1500	3000	30.9	JR117-8	80	6800	2743	2170	5.08	8.6	19166
MQY1545	1500	4500	30.9	JR127-8	130	9085	3091	2170	6.57	11.3	22147
MQY2122	2100	2200	24.05	JR128-8	155	7750	4450	3533	6.6	16	42500
MQY2130	2100	3000	24.05	JR137-8	210	8330	4450	3533	9	20	44260
MQY2145	2100	4500	24.05	JR137-8	210	9933	4450	3533	13	23.5	50348
MQY2430	2400	3000	22.5	JR138-8A	280	8823	5113	3894	12.1	22.5	58328
MQY2436	2400	3600	22.5	JR138-8B	320	9455	5113	3894	14.5	26	61308
MQY2727	2700	2700	21.6	JR138-8B	320	8643	5722	4674	15.3	30	83145
MQY2736	2700	3600	21.6	JR1510-8	400	10463	5942	4674	18.4	34	89120
MQY2745	2700	4500	21.6	TDMK450-32	450	11471	5907	4674	23	42	109318
MQY3236	3200	3600	18.5	TDMK630-36	630	12442	7030	5150	25.6	51	144241
MQY3245	3200	4500	18.5	TDMK630-36	630	13975	7030	5150	32.8	61	153390

Wet Energy-Saving Grade Ball Mill

Wet energy-saving grate ball mill											
Model	barrel			Motor		Boundary dimension			Effective volume(m3)	Max loading ball(t)	Weight(kg)
	diameter (mm)	length (mm)	speed (r/min)	Model	Power (kW)	length (mm)	width (mm)	height (mm)			
MQGg 1212	1200	1200	31.3	Y225M-8	22	4500	2104	1733	1.1	2.4	8200
MQGg 1224	1200	2400	31.3	Y280M-8	45	5764	2104	1733	2.4	4.6	13200
MQGg 1240	1200	4000	31.3	JR117-8	80	7990	2210	1733	3.8	7.8	15932
MQGg 1515	1500	1500	30.9	YR280S-8	55	5740	2710	2170	2.2	5	15100
MQGg 1530	1500	3000	30.9	JR117-8	80	6800	2743	2170	5	8.6	19166
MQGg 1535	1500	3500	30.9	JR125-8	95	7665	3040	2170	5.9	10	19500
MQGg 1545	1500	4500	30.9	JR127-8	130	9085	3091	2170	6.6	11.3	22150
MQGg 1830	1800	3000	25.2	JR127-8	130	8405	3560	2620	6.3	11.8	30228
MQGg 1836	1800	3600	25.2	JR136-8	180	8866	3683	2785	8.2	13.8	35467
MQGg 1840	1800	4000	25.2	JR136-8	180	9277	3650	2620	8.4	15.7	37200
MQGg 2122	2100	2200	24.05	JR128-8	155	7750	4450	3533	6.6	16	42500
MQGg 2130	2100	3000	24.05	JR137-8	210	8330	4450	3533	9	20	43100
MQGg 2136	2100	3600	24.05	JR137-8	210	8933	4320	3433	10.8	21	45833
MQGg 2140	2100	4000	24.05	JR138-8	245	9654	4320	3083	12.8	22	47262.4
MQGg 2145	2100	4500	24.05	JR138-8	245	9933	4253	3125	13.5	23.6	50348

Straight Energy-Saving Ball Mill

Straight energy-saving overflow ball mill											
Model	barrel			Motor		Boundary dimension			Effective volume(m3)	Max loading ball(t)	weight(kg)
	diameter (mm)	length (mm)	speed (r/min)	Model	Power (kW)	length (mm)	width (mm)	Height (mm)			
MQYg 0912	900	1200	39.2	Y1800L-8	11	3666	1835	1400	0.7	1	4265
MQYg 0918	900	1800	39.2	Y225M-8	22	4196	2336	2015	0.9	1.66	5340
MQYg 1212	1200	1200	31.3	Y250M-8	22	3512	2076	1620	1.14	1.9	9610
MQYg 1224	1200	2400	31.3	Y280M-8	45	5764	2104	1733	2.4	4.8	13200
MQYg 1240	1200	4000	31.3	JR117-8	80	7990	2412	1728	3.7	7.8	15600
MQYg 1515	1500	1500	30.9	JR115-8	60	6094	2743	2170	2.5	5	13120
MQYg 1530	1500	3000	30.9	JR117-8	80	6800	2743	2170	5	8.6	19166
MQYg 1535	1500	3500	30.9	JR125-8	95	7665	3040	2170	5.9	10	19500
MQYg 1545	1500	4500	30.9	JR127-8	130	9680	3254	2370	6.57	11.3	22147
MQYg 1557	1500	5700	30.9	JR127-8	130	10275	3254	2370	8.9	13.5	26607
MQYg 1830	1800	3000	25.2	JR128-8	155	7941	3560	2620	6.25	11.2	22337
MQYg 1840	1800	4000	25.2	JR136-8	180	9277	3650	2595	8.4	13	33073
MQYg 1845	1800	4520	25.2	JR137-8	210	9750	3683	2785	10.2	19	37480
MQYg 1863	1800	6320	25.2	JR138-8	280	11690	3781	2775	14.2	25	45520.5
MQYg 1870	1800	7000	25.2	JR138-8A	280	12390	3750	2660	13.8	26.4	46900
MQYg 2122	2100	2200	24.05	JR128-8	155	7750	4450	3533	6.6	14	35963
MQYg 2130	2100	3000	24.05	JR137-8	210	8330	4450	3533	9	16	44260

Grinding Equipment

Wet Rod Mill

Model	barrel		Motor			Boundary dimension(mm)			Effective volume(m3)	Max loading ball(t)	Weight(kg)
	diameter(mm)	length(mm)	Model	Power(kw)	speed(r/min)	length	width	height			
MBY 0918	900	1800	Y225M-8	22	730	4980	2370	2020	0.62~3.2	0.9	5700
MBY 0924	900	2400	Y250M-8	30	730	5670	3280	2020	0.81~4.3	1.2	5880
MBY 1224	1200	2400	Y280M-8	45	730	6450	2800	2500	0.4~4.9	2.28	12308
MBY 1530	1500	3000	JR125-8	95	725	7935	3185	2280	0.4~4.9	5	19990
MBYg 1530	1500	3000	JR117-8	80	725	7253	3070	2280	2.4~7.5	5	21210
MBYg 2130	2100	3000	JR136-8	180	735	8122	4220	3073	14~35	9	42123.5
MBYg 2136	2100	3600	JR137-8	210	735	8958	4320	3025	43~61	10.8	45800.5
MBYg 2430	2400	3000	JR138-8	280	735	9005	4836	3490	43~61	11.5	55795
MBYg 2732	2700	3200	JR157-8	320	750	10509	5000	3620	43~61	15.7	83110
MBYg 2736	2700	3600	JR158-8	380	743	10764	5750	3620	32~86	17.7	90441
MBY 2740	2700	4000	TDMK400-32	400	187.5	12300	5700	4700	43~110	20.4	75000
MBY 3040	3000	4000	JR1510-8	570	740	9800	3900	3900	54~135	26	90000
MBY 3245	3200	4500	TDMK800-36	800	167	14600	7000	5300	64~180	31	113000
MBY 3645	3600	4500	TDMK1250-40	1250	150	15200	8800	6800	80~230	41.8	139000
MBY 3654	3600	5400	TDMK1600-40	1600	150	15900	8800	6800	100~250	49.7	150000

Dry Ball Mill

| Model	specification	barrel		Motor		Production capacity(t/h)	Effective volume(m³)	Max loading ball(t)	Note	Weight(kg)
		length(mm)	speed(r/min)	Model	Power（kw)					
MQG0909	900	900	37.1	Y200L-8	15	0.16-0.8	0.45	0.96	single silo	4.4
MQG0918	900	1800	37.1	Y225L-8	22	0.33-1.6	0.9	1.92	single silo	5.7
MQG1212	1200	1200	33.4	Y250L-8	30	0.16-2.4	1.1	2.4	single silo	10.5
MQG1224	1200	2400	33.4	YR280S-8	55	0.3-2.8	2.2	3.96	single silo	12.5
MQG1228	1200	2800	33.8	YR280S-8	55	0.3-3.0	2.8	5	single silo	13.6
MQG1515	1500	1500	30.9	JR115-8	60	1.0-3.0	2.2	5	single silo	14
MQG1530	1500	3000	30.9	JR125-8	95	1.5-3.5	4.4	8.6	single silo	19
MQG1530	1500	3000	30.9	JR125-8	95	1.5-3.5	4.4	8.6	single silo	19.5
MQG1557	1500	5700	30.9	JR127-8	130	2.0-4.5	8.6	14.5	single silo	26.5
MQG1557	1500	5700	30.9	JR127-8	130	2.0-4.5	8.6	14.5	double silo	26.8
MQG1836	1800	3600	25.2	JR128-8	155	2.0-5.0	7.5	13.5	single silo	34.1
MQG1840	1800	4000	25.2	JR128-8	155	2.0-5.0	8.2	14.5	single silo	36.4
MQG1860	1800	6000	25.8	JR138-8	245	5.5-9.0	12.6	22.5	double silo	44
MQG1870	1800	7000	25.8	JR138-8	245	6.0-10.5	13.6	24.5	double silo	47.5
MQG2130	2100	3000	24.05	JR136-8	180	4.5-5.5	6.6	16	single silo	49
MQG2136	2100	3600	24.05	JR137-8	210	4.5-6.5	11	21	single silo	54
MQG2445	2400	4500	22.5	JR500L3-8	380	8.0-12	17.3	33	single silo	71
MQG2745	2700	4500	61.6	TDMK500-32/2150	500	1.0-16.0	23	42	single silo	109

Classifying Equipment

High Weir Spiral

Type	Model	Specification	spiral diameter(mm)	Spiral speed(r/min)	Flume		
					length(mm)	width(mm)	obliquity(°)
single-screw	FG-5	Φ500	500	9.2	3900	560	10.5°-14°
	FG-7	Φ750	750	7.8	5367	830	10.5°-14°
	FG-10	Φ1000	1000	7	6500	1110	10.5°-14°
	FG-12	Φ1200	1200	5,6,7	6500	1372	10.5°-14°
	FG-15	Φ1500	1500	2.5,4,6	8265	1664	14°-18.5°
	FG-20	Φ2000	2000	5.4	8400	2396	14.5°-18.5°
	FG-24	Φ2400	2400	3.6,5.4,6.3	9160	2600	14°-18.5°
	FG-30	Φ3000	3000	3.17	12500	3200	14°-18.5°

High weir spiral classifier is mainly used as the auxiliary equipment of grinding for pre-grading and check grading, and sometimes it is also used for washing clay-containing ores as well as desliming and dewatering the ore slurry. Automatic lifting device for sand return is added at the sand return end, by which the configuration of big scoop head of ball mill can be canceled and the ball mill runs more smoothly.

Scope of application : It is mainly used as the auxiliary equipment of grinding for preclassification and inspection classification, and also used for washing clay-containing ores as well as desliming and dewatering of ore slurry.
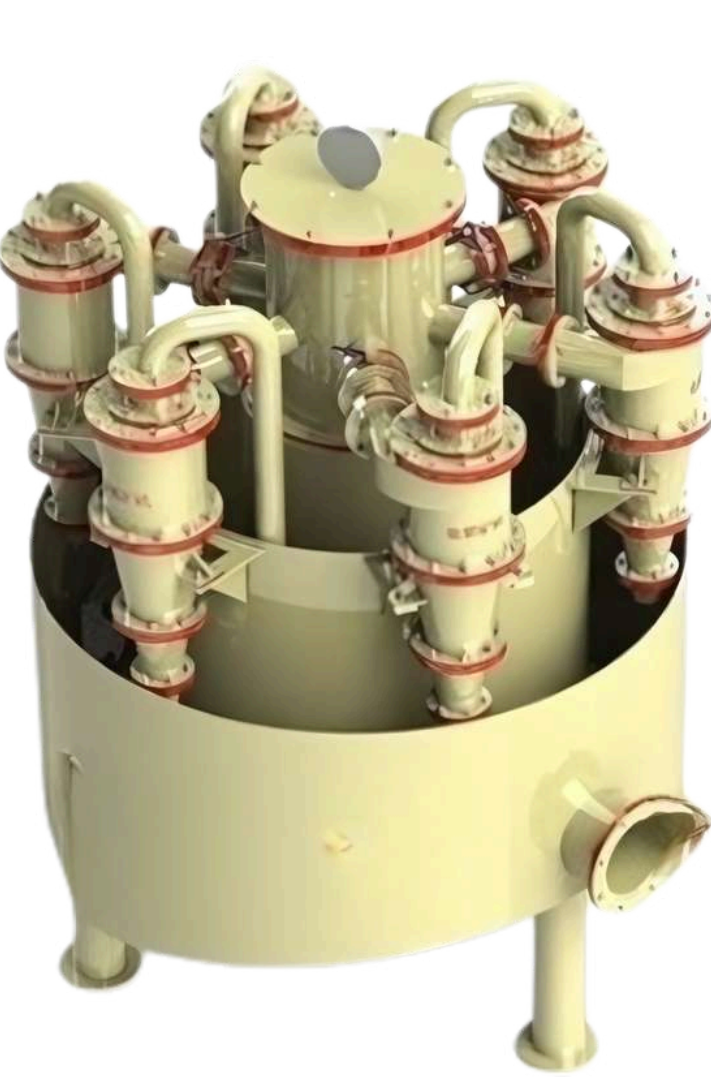
Hydrocyclone

Model	Diameter(mm)	Height(mm)	Feeding pressure(Mpa)	Separation size(μm)	Weight(kg)
JAX-75	75	472.5	0.1-0.5	20-60	4
JAX-100	100	499	0.05-0.4	20-60	8
JAX-125	125	590	0.05-0.4	25-65	10
JAX-150	150	786	0.05-0.4	30-75	22
JAX-200	200	1114	0.05-0.4	40-100	36
JAX-250	250	1380	0.05-0.4	40-100	63
JAX-300	300	1490	0.03-0.4	50-150	88
JAX-350	350	1674	0.03-0.4	50-150	135

The hydrocyclone is a simple device that utilizes fluid pressure to create centrifugal force and a flow pattern capable of separating particles or droplets from a liquid medium. For effective separation, these particles or droplets must have a significantly different density compared to the medium.

Scope of application: slurry classification
Capacity : ≤2500 m3/h

Submerged Spiral Classifier
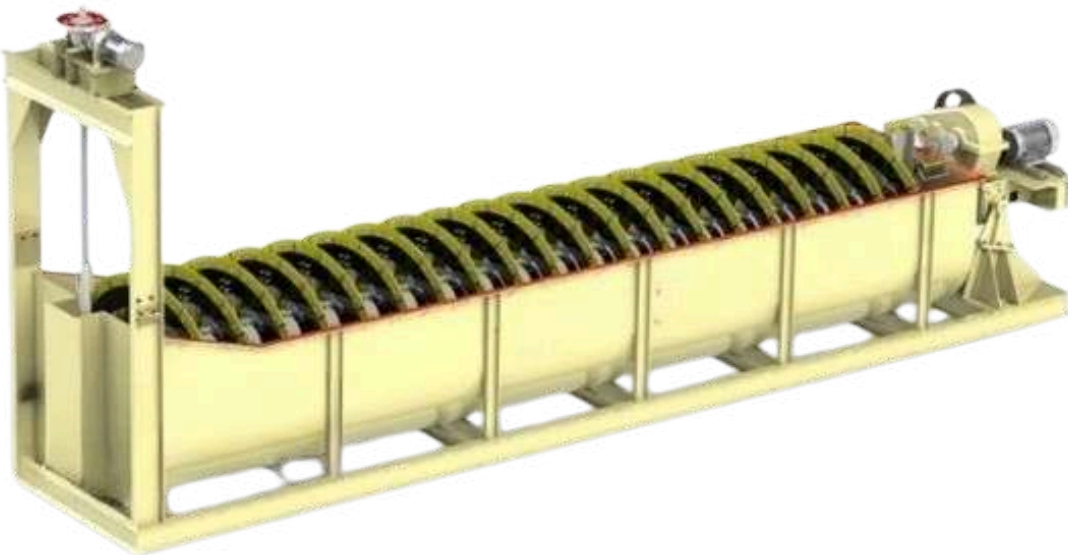
Submerged spiral classifier							
Type	Model	Specification	spiral diameter(mm)	Spiral speed(r/min)	Flume		
					length(mm)	width(mm)	obliquity(°)
single-screw	FC-10	Φ1000	1000	6-7.4	6500	1110	10.5°-14°
	FC-12	Φ1200	1200	5,6,7	8400	1372	10.5°-14°
	FC-15	Φ1500	1500	2.5,4,6	10500	1664	14°-18.5°
	FC-20	Φ2000	2000	5.4	12800	2396	14.5°-18.5°
	FC-24	Φ2400	2400	3.6	14130	2600	14°-18.5°
	FC-30	Φ3000	3000	3.2	14300	3200	14°-18.5°

The spiral classifier is widely used for pre-grading and inspection grading in closed circuits during metal processing production flows. By leveraging the differences in sedimentation rates between mineral particles and mud, it classifies ore particles within the size range of 1.5–0.03 mm. This classification equipment features a spiral at the overflow end that is fully submerged below the liquid level. Additionally, an automatic elevating apparatus is incorporated at the discharge opening, eliminating the need for a scoop in the ball mill. This modification results in more stable operation.

Scope of application : Ore classification with overflow size of 0.15-0.07 mm.
Production capacity : 50 - 1410 t/d

Spiral Sluice

The spiral sluice, or spiral chute, is a gravity concentrator used to separate minerals of varying specific gravities based on their relative motion under the influence of gravity, centrifugal force, and other forces in a fluid medium. It is primarily used for separating metallic and non-metallic minerals such as iron, tin, tungsten, tantalum, niobium, gold, coal, monazite, rutile, and zircon. The spiral sluice is effective for materials with sufficient differences in specific gravity and is suitable for grain sizes ranging from 0.3 to 0.02 mm.

Production capacity : 0.15 – 16 tph

Spiral sluice						
Model	BLL-2000	BLL-1500	BLL-1200	BLL-900	BLL-600	BLL-400
Spiral diameter（mm）	2000	1500	1200	900	600	400
screw pitch（mm）	1200	900, 675	900, 720, 540	675, 540, 405	450, 360, 270	240, 180
screw pitch/diameter	0.6	0.48, 0.36	0.75, 0.6, 0.45	0.75, 0.6, 0.45	0.75, 0.6, 0.45	0.6, 0.45
lateral dip angle（°）	9°	9°	9°	9°	9°	9°
Spiral number	3	4	4	4	2	2
Feed particle（mm）	2.00~0.04	0.8~0.037	0.3~0.03	0.3~0.03	0.2~0.02	0.2~0.02
Feed density(%)	30~55	30~55	25~55	25~55	25~55	25~55
Production capacity（t/h）	7~10	6~8	4~6	2~3	0.8~1.2	0.15~0.2

Gravity Separation Equipment

Jig

Jig							
Model	Jigging chamber shape	Jigging chamber area(m²)	stroke(mm)	jig frequency(c.p.m)	Feed particle(mm)	supplementary water	
						water yield(t/h)	pressure(Mpa)
JT0.57-1	trapezoid	0.57	0-17	80-160	<10	2~5	>0.1
JT1-1	trapezoid	1.04	0-21				
JT1.5-2	rectangle	1.5	0-25				
JT1.5-2S	rectangle	1.5	0-30				
JT2-2	rectangle	2.28	0-17				
JT2-2S	rectangle	2.28	0-21				
JT3-1	rectangle	3.3	0-20	60-120			
JT4-2S	rectangle	4	0-25				
JT5-2S	trapezoid	4.48	0-35				
JT1-2S	rectangle	1	0-35	50-100	<30		
JT3-2S	rectangle	3	0-30				
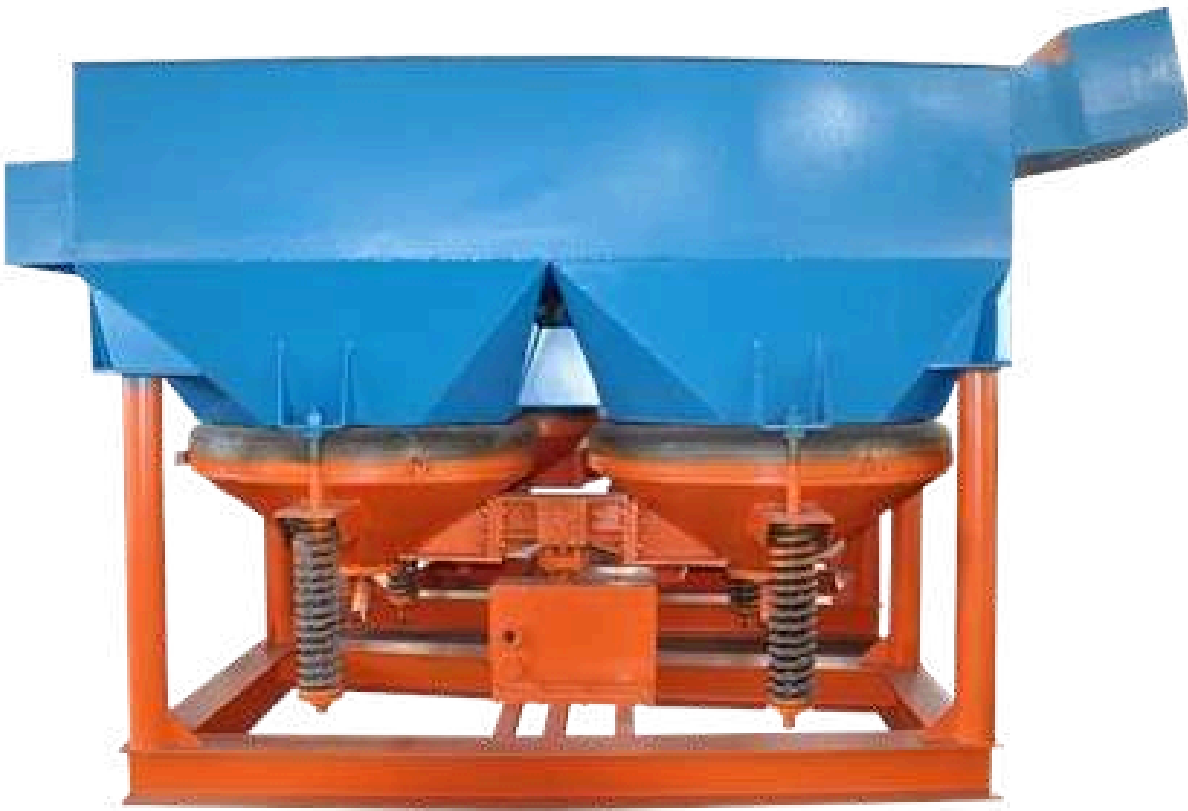
The jig plant (jig machine) belongs to gravity-based equipments, which can separate mineral based on differing of specific gravity. It can be used for separating fine-grained materials as well as coarse materials, with a maximum feed size of 6-8 mm, but in the case of separating alluvial ores in some individual cases, the maximum particle size is 12 mm. Saw-tooth wave jig mainly consists of three parts: main frame, driving set and jigging chamber.

Scope of application : metal ore, such as tungsten, gold placer, etc.
Production capacity : 1 – 25 tph

Shaking Table

The 6-S shaking table is a key piece of equipment for gravity concentration. It is versatile, supporting various operations such as roughing, concentrating, and sweeping, to separate materials of different grain sizes, including coarse sand (2–0.5 mm), fine sand (0.5–0.074 mm), and sludge (<0.074 mm). The shaking table is widely used for separating rare and noble metals such as tungsten, tantalum, niobium, and gold. Additionally, it is extensively applied for the separation of metals and minerals like silver, tin, columbium, titanium, barium, tungsten, iron, chrome, manganese, zircon, lead, zinc, mercury, copper, and aluminum. The effective recycling granularity range of the shaker is 2–0.037 mm.

Production capacity : 10 – 60 tpd
Ore feeding concentration : 15% - 30%

Model	4LZYG	3LZYG	LZYC7.6	2LZLY15.2	LZ6S4500	LZ6S3000	LZ6S2100	LZLY1100
Beneficiation area (m²)	30.4	22.8	7.6	15.2	7.6	4.08	1.95	0.5
Layer (piece)	4	3	1	2	1	1	1	1
Table L (mm)	4500	4500	4500	4500	4500	3050	2060	1100
Transmission W (mm)	1850	1850	1850	1850	1830	1510	1060	500
Concentrate W (mm)	1550	1550	1550	1500	1550	1300	930	430
Feeding size	2-0.074							
Capacity (t/h)	2-6.5	1.5-5	0.3-1.3	0.6-3.6	0.3-1.8	0.4-1.5	0.3-0.8	0.05-0.2
Density (%)	15-30	15-30	20-30	18-25	15-20	10-30	10-30	10-30
Stroke (mm)	8/10/12/18/20/22		16-22	11-16	8-16	6-30	12-28	9-17
Frequency of stroke (r/min)	270-360		240-290	250	280	210-320	250-450	280-460
Water consumption (t/h)	0.4-1		0.6-1.9	0.4-0.7	0.4-1.5	0.3-1.5	0.2-1	0.1-0.5
Power (kw)	2.2	1.5	1.5	1.5	1.1	1.1	1.1	0.55

Magnetic Separation Equipment

CTB Permanent Magnetic Drum Separator

Model	cylinder size (diameter ×length) mm	cylinder surface magnetic field strength(mT)			Production capacity		Motor power(kw)	cylinder speed(r/min)
		center pole	Scavenging district average value	High magnetic induction intensity	T/h	m3/h		
CTB (N.S) - 612	600×1200	—	145	170	Oct-20	32	2.2	40
CTB (N.S) - 618	600×1800	—	145	170	15-30	48	2.2	40
CTB (N.S) - 712	750×1200	120	155	180	15-30	48	3	35
CTB (N.S) - 718	750×1800	120	155	180	20-45	72	3	35
CTB (N.S) - 918	900×1800	148	165	190	25-55	90	4	28
CTB (N.S) - 924	900×2400	148	165	190	35-70	110	4	28
CTB (N.S) - 1018	1050×1800	148	165	190	40-75	120	5.5	22
CTB (N.S) - 1021	1050×2100	148	165	190	45-88	140	5.5	22
CTB (N.S) - 1021	1050×2100	160	240	280	45-88	140	5.5	22
CTB (N.S) - 1024	1050×2400	148	165	190	52-100	160	5.5	22

CTB Permanent Magnetic Separator is suitable for processing iron ore and fly ash from iron power plants, offering large capacity and high recovery rates, particularly for selecting iron ore concentrates.

Applicable materials : Wet separation of fine particles of strong magnetic minerals, or to remove non-magnetic minerals mixed with strong magnetic minerals.
Production capacity : 0 - 350 tph

Wet Weak Magnetic Field CXJ

Model	cylinder size (diameter ×length) mm	cylinder surface magnetic field strength(T)			Production capacity		MotorPower(kw)	cylinder speed(r/min)	gross weight(kg)
		center pole	Scavenging district	Midfielder strong magnetic field	t/h	m3/h			
CTB-44	400×400	130	180	250-400	01-Feb	04-May	1.1	45	350
CTB-46	400×600	130	180	250-400	02-Mar	05-Oct	1.1	45	600
CTB-63	400×300	140	180	250-400	03-May	Aug-15	1.1	40	600
CTB-66	400×600	140	180	250-400	05-Oct	Oct-30	1.1	40	750
CTS-69	600×900	180	180	250-400	Aug-15	20-50	1.1	40	830
CTB-69									910
CTS-612	600×1200	140	180	250-400	Oct-20	25-60	2.2	40	960
CTB-612									1050
CTS-618	600×1800	140	180	250-400	15-30	40-80	2.2	40	1340
CTB-618									1340
CTS-712	750×1200	160	200	300-500	15-30	40-80	3	35	1500
CTB-712									
CTS-718	750×1800	160	200	300-500	20-45	60-100	3	35	2100
CTB-718									

This product is suitable for wet magnetic separation of magnetic materials such as magnetite, magnetic pyrite, roasted ore, ilmenite, etc.; it is used for removing ferrimagnetic impurities from non-metallic ores; processing the feed of high-gradient strong magnetic machines, and It is used to remove magnetic or weakly magnetic minerals and their congeners, and to prevent clogging of the magnetic medium.

Production capacity : 10 – 150 tph

Flotation Equipment

Circular Flotation Machine

The circular flotation machine is an advanced cyclone centrifugal flotation device developed based on the flotation cyclone. It features a deep cylindrical tank design with a flat bottom and an impeller equipped with slotted oval blades, as well as upper straight and lower curved blades. This versatile machine can be utilized for roughing, scavenging, and cleaning operations in flotation processes.

Energy saving : Reduce energy consumption by 15%-20%.

| Model	Major Dimensions (mm)					
	A	B	C	D	E	F
KYF-5	2300	3200	2300	850	2450	4900
KYF-10	3000	3578	2660	850	3196	6392
KYF-30	3990	5116	3695	900	4200	8400
KYF-50	4870	5720	4170	940	5000	10000
KYF-70	5220	6460	4860	940	5400	10800
KYF-100	6050	6950	4248	1240	6200	12400
KYF-130	6720	7340	5400	1200	6920	13840
KYF-160	7200	7630	5200	1258	7400	14800
KYF-200	7700	8650	6080	1250	7916	15832
KYF-320	9080	10150	7480	1300	9100	18200

SF Flotation Machine

The main features of SF flotation machine are shown in the impeller. The impeller has backward tilting double-sided blades, which can realize double circulation of pulp in the tank.

Production capacity : 0.2 – 24 m³/min

Model	Effective volume (m³)	Production capacity (m³/min)	Impeller diameter (mm)	Impeller revolutions (r/min)	Motor power(kw)		2 tanks weight (kg)
					Agitator	Scraper blade	
SF-0.37	0.37	0.2-0.4	300	352-442	1.5	0.55	940
SF-0.7	0.7	0.3-1.0	350	336	3	1.1	1940
SF-1.2	1.2	0.6-1.2	450	312	5.5	1.1	2800
SF-2.8	2.8	1.5-3.5	550	280	11	1.5	4240
SF-4	4	2--4	650	235	15	1.5	5200
SF-6	6	3--6	760	191	30	2.2	6000
SF-8	8	4--8	760	191	30	1.5	8584
SF-16	16	5.0-16	850	169-193	45	1.5	14830
SF-20	20	5.0-20	730	186	30X2	1.5	19646
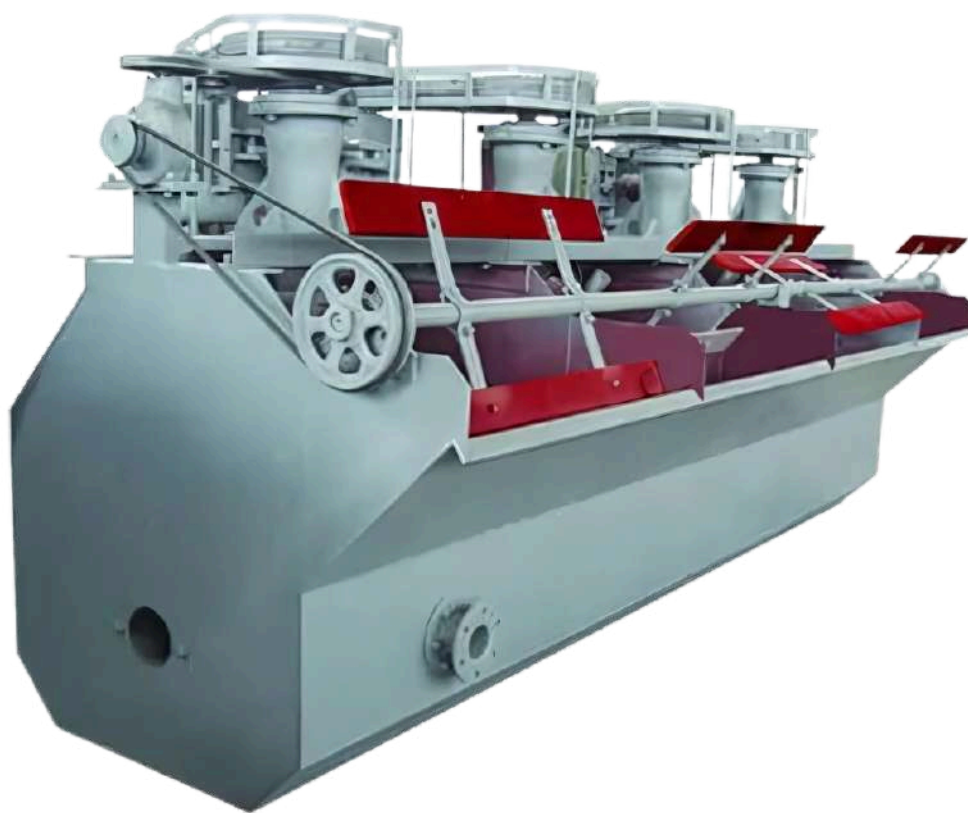
XJQ/JJF Flotation Machine

Flotation cells are extensively used for separating non-ferrous metals, ferrous metals, noble metals, non-metallic minerals, and raw materials in the chemical industry. They are essential for processes such as roughing and scavenging in large and medium-sized flotation plants, facilitating the efficient recovery of valuable ores.

XJQ Flotation machine							
Model	Effective volume(m³)	Production capacity(m3/min)	Impeller diameter(mm)	Impeller speed (r.p.m)	Agitator Motor power(kw)	Scraper blade Motor power(kw)	Single tank weight (kg)
XJQ-4	4	2～5	400	290；315	11	1.1	3100
XJQ-8	8	4.2～10	560	205；225	22		5146
XJQ-16	16	8～20	700	170；180	30	1.5	9314
XJQ-28	28	14～35	760	166；185	55		15940

JJF Flotation machine							
Model	Effective volume(m²)	Production capacity(m3/min)	Impeller diameter(mm)	Impeller speed (r.p.m)	Motor power(kw) Agitator	Scraper blade	Single tank weight (kg)
JJF-2.8	2.8	1.5-3.5	340	400	7.5	1.5	2166
JJF-4	4	2.0-4	410	305	11		2303
JJF-5	5	2.0-6					2416
JJF-8	8	4.0-8	540	233	22		4700
JJF-10	10	5.0-10					4820

Flotation Equipment

XJB Rod Type Flotation Machine

The main feature of the rod-type flotation machine is that it constitutes an inflatable agitator group with an inclined rod wheel, a cam platform and an arc-type flow stabilizer plate. As this agitator can prevent sand from sinking at the bottom of the tank, the dead space is very small, so the volume of the flotation tank can be fully utilized, which significantly improves the volume utilization rate.

Scope of application : Flotation operation in small and medium-sized mineral processing plants.
Applicable materials : high density, coarse-grained ores, especially for lead, zinc, copper, molybdenum, sulfur and silica sand sorting.
Production capacity : 1.5 - 4 m³/min

XJB Rod type Flotation machine								
Model	tank type	Effective volume (m3)	Production capacity (m3/min)	Impeller diameter (mm)	Impeller speed (r.p.m)	Motor power(kw) Agitator	Scraper blade	4 tanks weight (kg)
XJB-1	Suction tank	1	— 1.5-1.7	400	440	5.5	1.5	5344
XJB-1	Cocurrent tank			410	410	4	0.8	
XJB-1D	Suction tank			400	440	5.5	1.5	5479
XJB-1D	Cocurrent tank			410	410	4	0.8	

GF Flotation Machine

GF Flotation machine is designed for separating non-ferrous, ferrous, and precious metals, as well as non-metallic minerals. It is particularly suitable for medium and small enterprises. The machine efficiently handles materials with particle sizes of 0.074 mm, accounting for 45%–98% of the feed, and operates with slurry concentrations of less than 45%.

Production capacity : 0.1 - 20.0 m³/min

GF Flotation machine							
Model	Volume(m3)	Tank size length ×width × height(m×m×m)	Motor Power(kw)	Production capacity(m3/min)	Inspiratory capacity(m3/m 2.min)	Scraper motor power(kw)	weight(kg)
GF-0.35	0.35	0.7×0.7×0.73	1.5	0.1-0.2	1.2	0.75	470
GF-0.7	0.7	0.9×0.9×0.9	3	0.1-0.4	1.2	1.1	932
GF-1.1	1.1	1.1×1.1×1.0	5	0.2-0.5	1.2	1.1	1370
GF-2	2	1.40×1.40×1.15	7.5	0.3-1.0	1.2	1.5	1750
GF-3	3	1.50×1.85×1.20	11	0.5-1.5	1.2	1.5	2230
GF-4	4	1.60×2.15×1.25	15	0.5-2.0	1.2	1.5	2585
GF-6	6	2.0×2.5×1.3	22	1.0-3.0	1.2	1.5	3300
GF-8	8	2.2×2.9×1.4	30	1.0-4.0	1.2	1.5	4130

BS-K Flotation Machine

The BSK series pressurized air flotation machine is suitable for mineral processing plants, offering efficient separation of non-ferrous metal minerals such as copper, lead, zinc, nickel, molybdenum, and gold. It is also applicable for ferrous metals (iron) and non-metallic materials such as coal, fluorspar, talc, and quartz sand.

Applicable materials : non-ferrous metal minerals for material separation, ferrous metal and non-metal separation.
Processing capacity : 0.5-50 m³/min
Effective volume: 2.2-70 m³

BS-K Flotation machine									
Model	Effective volume(m3)	Production capacity (m3/min)	Impeller diameter (mm)	Impeller speed(r.p.m)	Blower pressure(Kpa)	Max inflating volume(m³/m. min)	Agitator power (kw)	Scraper blade power (kw)	Single tank weight (kg)
BS-K2.2	2.2	0.5-3	420	260	≥15	2～3	5.5	0.75	1750
BS-K4	4	0.5-4	500	220,23	≥17	3～6	7.5	0.75	2568
BS-K6	6	1.0-6	650	197	≥27	4～10	15	1.1	3570
BS-K8	8	1.0-8	650	180,19	≥27		15		4539
BS-K16	16	2.0-15	750	160,17	≥27	6～15	30		8131
BS-K24	24	7.0-20	830	154,159	≥29	8～18	37		9546

XCF/KYF Flotation Machine

Typically, XCF and KYF types are configured together as a unit, with the XCF type serving as the inhalation tank and the KYF type as the direct-current tank. This combined unit can be arranged horizontally without the need for a foam pump.

Handling capacity : 0.2-50 m³/min
Scope of application : Suitable for roughing and sweeping operations in large and medium-sized flotation plants.
Applicable materials : Widely used in the separation of non-ferrous metals, ferrous metals and non-metallic minerals.
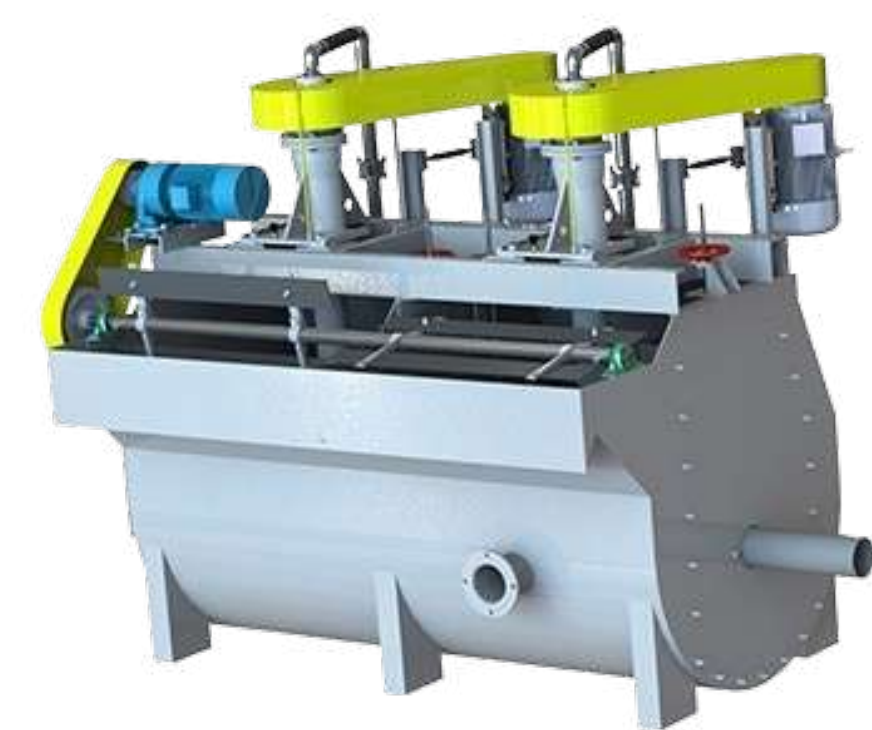
XCF Flotation machine									
Model	Effective volume(m3)	Production capacity(m³/min)	Impeller diameter(mm)	Impeller speed(r/min)	Blower pressure(kpa)	Max inflating volume(m³/m·min)	Motor power(kw)		Single slot weight(kg)
							Agitator	Scraper blade	
XCF-1	1	0.2-1	400	358	≥12.6	2	5.5	1.1	1154
XCF-2	2	0.4-2	470	331	≥14.7		7.5		1659
XCF-3	3	0.6-3	540	266	≥19.8		11		2259
XCF-4	4	1.2-4	620	215	≥19.8		15	1.5	2669
XCF-8	8	3.0-8	720	185	≥21.6		22		3968
XCF-16	16	4.0-16	860	160	≥25.5		37		6520

Conical Bottom Mixing Tank

Mixing tank is composed of several components, including a vertical shaft, frame, barrel, overflow port, electric motor, and motor seat. The impeller's rotation is driven by the electric motor through a belt pulley and triangle belt, ensuring that the mineral particles and reagents are thoroughly mixed and in full contact with each other.

Scope of application: mineral processing plants and other industrial sites.
Applicable materials : Concentration of not more than 30% and the density of the ore is not more than 3.5 of the slurry and flotation agent agitation.
Effective volume : 0.26 – 18.5 m³

Conical bottom mixing tank						
Model	Effective volume	Impeller		Motor		Weight
	(m3)	Speed(r.p.m)	Diameter(mm)	Model	Power(kw)	(kg)
BJZ−750×750	0.26	530	240	Y90L-4	1.5	240
BJZ−1000×1000	0.62			Y100L-6		680
BJZ−1500×1500	2.38	360	380	Y132S-6	3	1375
BJZ−2000×2000	5.6	233	550	Y160M-6	7.5	2000
BJZ−2500×2500	13.5	233	650	Y160L-6	11	2968
BJZ−3000×3000	18.5	200	800	Y225M-8	22	5210

Agitation Tank Equipment

Pulp Mixing Tank

Pulp Mixing tank is primarily used in the front of the flotation machine for pulp mixing. Its main function is to ensure that the pulp and reagents are thoroughly mixed, allowing for full contact and blending in preparation for the flotation process. Additionally, it can be used in alumina production for desilication, as well as in stripping tanks and washing tanks. The mixer also finds applications in industries such as chemicals, building materials, cyanide plants, sewage treatment, and other industrial sectors.

Effective volume : 0.25 – 11.2 m³

General Pulp mixing tank						
Model	Effective volume	Impeller speed	Impeller diameter	Electromotor		Weight
	(m3)	(r.p.m)	(mm)	Model	Power(kw)	(kg)
BJ-500×500	0.074	525	240	Y802-4	0.75	162
BJ-750×750	0.25	530	240	Y100L-6	1.5	305
BJ-1000×1000	0.58	513	230	Y90L-4	1.5	680
BJ-1250×1250	1.4	401	380	Y100L1-4	2.2	1008
BJ-1500×1500	2.1	332	380	Y132M1-6	4	1310
BJ-1600×1600	2.56	332	360	Y132M2-6	5.5	1630
BJ-2000×2000	4.4	305	550	Y160M-6	7.5	1900
BJ-2000×2500	5.97	285	630	Y160M-6	7.5	2360
BJ-2500×2500	9.2	285	630	Y160L-6	11	2766
BJ-3000×3000	17.5	200	800	Y225M-8	22	4808
BJ-3500×3500	29.5	190	800	Y225M-8	22	5580
BJ-3550×4000	35	194	850	Y250M-8	30	5939

Reagent Mixing Tank

Reagent mixing tank is composed of vertical shaft, rack, tank, small pulley, motor, motor seat, safety hood. The rotation of the impeller is driven by a motor through a belt pulley and a triangle belt, and the rotation of the impeller that makes the chemical pulp mixing evenly.

Scope of application : reagent mixing tank is used for the preparation of various reagent before flotation operation.
Applicable materials : various kinds of flotation chemicals
Effective volume : 0.0074 – 46 m³

Reagent mixing tank						
Model	Effective volume(m³)	Impeller		Motor		Weight(KG)
		speed(r/min)	diameter(mm)	Model	Power(KW)	
BJW−500×500	0.074	525	240	Y802-4	0.75	142
BJW−500×600	0.094	525	240	Y802-4	0.75	210
BJW−750×750	0.25	530	240	Y100L-6	1.5	280
BJW−1000×1000	0.58	513	230	Y90L-4	1.5	420
BJW−1250×1250	1.4	401	380	Y100L1-4	2.2	973
BJW−1500×1500	2.2	320	380	Y132M1-6	4	1265
BJW-1600×1600	2.56	332	380	Y132M2-6	5.5	1530
BJW−2000×2000	5.46	233	550	Y132M2-6	5.5	1850
BJW-2500×2500	12.26	285	630	Y160L-6	11	2681
BJW−3000×3000	17.5	200	800	Y225S-8	18.5	4620
BJW-3500×3500	29.5	190	800	Y225M-8	22	5380
BJW-4000×4000	46	200	1000	Y250M-8	30	5380

High Concentration Mixing Tank

High concentration mixing tank is primarily used for mixing cement, sand, and water, and can also handle high-concentration slurries. It has wide applications in industries such as mining, construction, and chemicals. Particularly in mineral processing, it plays a key role in tailings disposal and backfilling operations. After mixing with cement, the slurry is used to backfill mine shafts or other unused areas, significantly reducing pollution and minimizing the footprint of tailings.

Effective volume : 0.58 – 46 m³

Model	Effective volume	Impeller Speed	Impeller Diameter	Motor	Motor power	Weight
	(m3)	(r.p.m)	(mm)	Model	(kw)	(kg)
BJN-1000×1000	0.58	530	400	Y132M2-6	5.5	1700
BJN-1500×1500	2.25	280	500	Y180L-6	15	2210
BJN-2000×2000	5.8	250	650	Y200L2-6	22	2985
BJN-3000×3000	19.1	210	700	Y250M-8	30	4660
BJN-3500×3500	30	194	850	Y280S-8	37	5639
BJN-4000×4000	46	121.6	1000	Y280M-8	45	8156

Agitation Tank Equipment

High Efficiency Mixing Tank

High-efficiency mixing tank is a type of mixing equipment designed to facilitate the up-and-down circulation of slurry inside the tank. The company has significantly improved the original design by incorporating a fan-shaped impeller that applies downward pressure on the slurry, enabling it to circulate up and down along the inflow device. This enhanced circulation promotes the full integration of chemicals and slurry, resulting in a substantial increase in working efficiency and a reduction in operational costs.

Scope of application : Mining, chemical and building materials, cyanide plant, sewage treatment plant, coal processing plant and other industrial sectors.
Applicable materials : Concentration not more than 30% and ore density not more than 3.5 of the slurry and flotation chemicals mixing
Effective volume : 0.58 – 37 m³

Model	Effective volume(m3)	Impeller speed(r/min)	Impeller diamete(mm)	Motor Model	Motor Power(kw)	Weight (kg)
GBJ-1000×1000	0.58	530	240	Y112M-6	2.2	1548
GBJ-1250×1250	1.4	350	240	Y100L2-4	3	1808
GBJ-1500×1500	2.2	320	420	Y132M2-6	5.5	2207
GBJ-2000×2000	4.4	240	560	Y160L-6	11	3150
GBJ-2500×2500	11.2	271	560	Y180L-6	15	3943
GBJ-3000×3000	19.1	240	700	Y225S-8	18.5	4613
GBJ-4000×4000	37	180	900	Y280S-6	45	9249

Flocculant Mixing Tank

The flocculant mixing tank is a specialized mixing machine designed for adding flocculant to high-efficiency thickeners, featuring a specially designed impeller. The equipment operates by rotating the impeller within the tank, which drives the slurry flow and ensures thorough mixing of the liquid. It is primarily used for flocculant mixing and storage in the thickener concentration system.

Effective volume : 0.58 – 5.46 m³
Scope of Application: flocculant mixing machine

Model	Speed(r/min)	Effective volumem(m³)	Impeller r/min	Impeller diameter	Motor Model	Motor Power(KW)	Weight(KG)
XBJ——1000×1750		0.58		310			
XBJ——1500×1500		2.2	320	400	Y132S-6	3	1260
XBJ——2000×2000		5.46	320	550	Y132M2-6	5.5	2000

Lifting Mixing Tank

Lifting mixing tank has a wide range of applications in mining, which is mainly generated by the phenomenon of pipeline loss and difficult to self-flow in the metal processing industry, so the elevated mixing tank appeared. Lifting mixing tank is mainly composed of tank body, bracket, motor, impeller and transmission shaft.

Scope of application : slurry mixing in mining, chemical and building materials industries, cyanide plants, sewage treatmenRt plants and other industrial sectors.
Applicable materials : mainly for the concentration of ≥ 40% of the solid, in the particle size of 1mm, the density of the ore is generally required to be less than 4.5 grams per cubic centimetre slurry
Effective volume : 0.9 – 20.5 m³

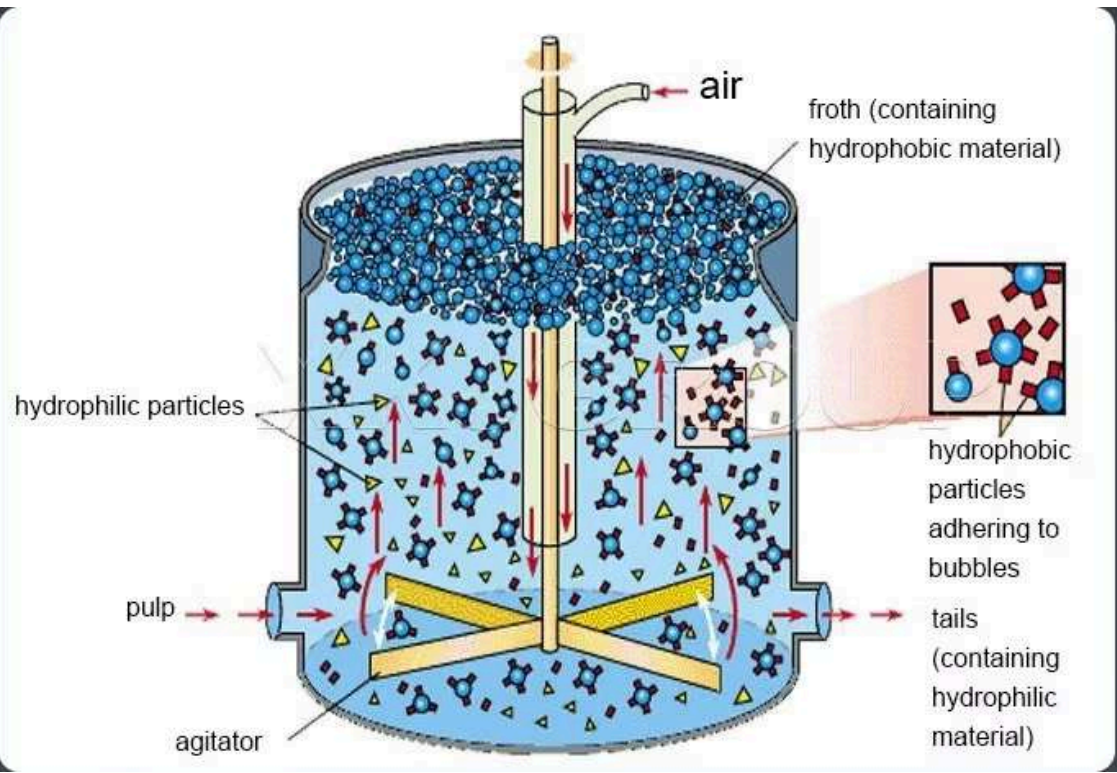| Model	Deep	Effective volume(m3)	Impeller speed(r/min)	Impeller diameter(mm)	Lifting height	Motor Model	Motor Power(kw)	Weight(kg)
TBJ-1000	1439	0.9	500	350	980	Y132M2-6	5.5	765
TBJ-1250	1682	1.4	460	350	1220	Y132M2-6	5.5	975
TBJ-1500	1850	2.8	464	450	1470	Y160L-6	11	1110
TBJ-2000	2000	5.8	312	550	1570	Y180L-6	15	3122
TBJ-2500	2500	11.5	310	600	2070	Y225M-8	22	3760
TBJ-3150	3150	20.5	258	750	2300	Y250M-6	37	6339

Pickling Tank

A pickling tank is a container used to hold aqueous solutions for removing metal surface films during the pickling process of workpieces. It is designed with alkali resistance, acid resistance, high temperature tolerance, and excellent corrosion resistance. This tank is capable of storing a variety of liquids used in different industrial processes.

Scope of application : to meet the requirements of pickling, electroplating, and other reaction tank.
Effective volume : 0.86 – 1.83 m³

Pickling tank					
Model	Effective volume（m³）	Impeller		Motor model	Weight（KG）
		speed（r/min）	Diameter		
BJS——1000×1000	0.86	513	240	Y90L-4	1.1
BJS——1250×1250	1.03	492	310	Y100L1-4	2.2
BJS——1300×1600	1.55	320	400	Y132S-6	3
BJS——1500×1500	1.83	320	400	Y132S-6	3

Thickening Equipment

Thickener with Central Transmission

Central transmission thickener primarily includes several supporting systems, such as the flocculant addition system, degassing tank, and automatic control system. Additionally, the center discharge pipe is extended to reduce the dispersion distance of solid particles, thereby improving the thickening effect.

Application material : Coal, slime, waste water, waste residue, etc.

Ordinary thickener									
Model	thickening pond		Deposit area(m2)	Rotation rate of rake(r/min)	Motor		Production capacity(t/d)	Tank weight(kg)	gross weight(kg)
	diameter(m)	depth(m)			model	power(kw)			
NZS1	1.8	1.8	2.55	0.5	Y90L-6	1.1	1.3-5.6	602	1300
NZS2.5	2.5	1.8	4.9	0.33	Y90L-6	1.1	5-10.8	1095	2355
NZS3.6	3.6	1.8	10.2	0.38	Y90L-6	1.1	5-22.4	1905	3150
NZS6	6	2.956	28	0.35	Y90L-4	1.5	14-60	6200	9000
NZS8	8	3	50.2	0.27	Y132S-6	3	25-120	11065	15460
NZS9	9	3	63.5	0.25	Y132S-6	3	32-150	12188	16682
NZS12	12	3.6	113	0.19	Y132S-6	3	50-250	24060	33131
NZS15	15	3.6	176	0.1	Y132M2-6	5.5	70-350	35269	55499
NZS18	18	3.74	255	0.2	Y160M-6	7.5	100-560	without	10139
NZS20	20	4.4	315	0.2	Y160M2-8	7.5	200-1440		24500
NZS24	24	4.716	452	0.1	Y180L-8	11	200-1440		28984

High-Efficiency Thickener

High-efficiency thickener is primarily used for dewatering concentrate and tailings in mineral processing plants. It is also suitable for dewatering, desliming, and sewage treatment in industries such as light chemicals and coal processing. The new mechanical structure enhances the flocculation effect of flocculants on solid particles. It is equipped with a flocculant addition system and an automatic control system for both flocculant dosing and thickener operation, ensuring efficient performance.

Scope of Application : Metallurgy, mining, coal, chemical industry, building materials, environmental protection departments of slime, waste water, waste residue treatment.

High-efficiency thickener							
model	GX-3.6	GX-5.18	GX-9	GX-12	GX-15	GX-18	GX-20
inner diameter(m)	3.6	5.182	9	12	15	18	20
cell body height(m)	1.7	2.15	3.56	3.723	3.6	4.4	4.4
Deposit area(m2)	10	21	63.6	112	176	254	318
Rotation rate of rake(r/min)	1.1	0.8	0.3	0.267	0.2	0.13	0.13
lift height(m)	0.2	0.3	0.35	0.35	0.4	0.4	0.4

High-Efficiency Reformed Thickener

Compared with the ordinary thickener, efficient thickener have a large production capacity (processing capacity can be increased several times).

Scope of Application : Metallurgy, mining, coal, chemical industry, building materials, environmental protection and other departments.
Application material : Material, coal slime, waste water, waste residue, etc.

High-efficiency reformed thickener									
Model	thickening pond		Deposit area(m2)	Motor		Production capacity(t/d)	Tank weight(kg)	gross weight(kg)
	diameter(m)	depth(m)		Model	Power(kw)			
NZSG2.5	2.5	1.8	4.9	Y90L-6	1.1	5-22.4	1095	2355
NZSG3	3	1.8	7	Y100L-6	1.5	5-23.3	1633	3167
NZSG3.6	3.6	1.8	10.2	Y100L-6	1.5	May-25	2097	3680
NZSG-5	5	2.956	16	Y90L-4	1.5	16-90	5160	8031
NZSG-6	6	2.956	28.3	Y90L-4	1.5	98	5769	9200
NZSG-7	7	3	38.5	Y112M-6	2.2	140	8548	13361
NZSG-8	8	3	50.2	Y132S-6	3	185	12966	19289
NZSG-9	9	3	63	Y132S-6	3	210	15439	21960
NZSG-12	12	3.6	113	Y132S-6	3	370	25589	34823
NZSG-15	15	3.6	176	Y132M2-6	5.5	580	35800	58800
NZSG-18	18	3.74	255	Y160M-6	7.5	960	51000	75600
NZSG-20	20	4.4	315	Y160M2-8	7.5	1400	62000	83550
NZG-24	24	4.716	452	Y180L-8	11	≥1400	83700	115840

Thickener with Peripheral Transmission

Thickener with peripheral transmission has two kinds, peripheral roller transmission and peripheral gear transmission. Peripheral roller drive thickener mainly consists of circular thickener and rake scraper, peripheral drive thickener in the thickener suspended in the slurry of solid particles and flocculant mixing and concentration of particles combined together to improve the settling speed.

Scope of Application : Concentration and clarification of concentrate and tailing slurry and concentrate and tailing slurry in wet beneficiation and coal beneficiation.

model	thickening pond		Deposit area(m2)	Motor		Production capacity(t/d)	weight(kg)
	diameter(m)	depth(m)		model	power(kw)		
NG-15	15	3.5	177	Y132M2-6	5.5	390	9120
NG-18	18	3.5	255	Y132M2-6	5.5	560	10000
NG-24	24	3.7	452	Y160M-6	7.5	1000	24000
NG-30	30	3.6	707	Y160M-6	7.5	1570	26420
NG-45	45	5.06	1590	Y160L-6	11	2400	58640
NG-53	53	5.07	2202	Y160L-6	11	3000	60910

Peripheral roundscrewdie driving thickener

Thickening Equipment

High-Efficiency Thickener Auto-Control Device

High-efficiency thickener automatic control device is a product developed by our company after years of practical experience. It primarily uses automatic detection of the flocculent layer in the thickener, converting electrical signals to automatically control the speed of the bottom flow pump. This system ensures that the interface remains relatively constant, optimizing the thickening process.

Max. height : 0 – 2.5 m

| High-efficiency thickener auto-control devic			
model	Matching thickener model	motor power(kw)	Max height control(m)
GJK-33	GX-3.6	3	0-2.5
GJK-375	GX-3.6	7.5	0-2.5
GJK-311	GX-3.6	11	0-2.5
GJK-575	GX-5.18	7.5	0-2.5
GJK-511	GX-5.18	11	0-2.5
GJK-5185	GX-5.18	18.5	0-2
GJK-1245	GX-12	45	0-2.5
GJK-1255	GX-12	55	0-2.5

NXZ High Efficacious Thickener

High-efficiency thickener is a solid-liquid separation device based on gravity sedimentation. It typically consists of a shallow cylindrical tank with a conical bottom, constructed using concrete or metal welded plates as the structural material.

Scope of application : Concentration and purification of slurry containing solids in industries such as chemical, coal, building materials, water and sewage treatment, etc.

NXZ High efficacious thickener						
Model	inner diameter	death	area	Production capacity	power	weight
NXZ-6	Φ6	3100	28.27	50-100	3	5297
NXZ-8	Φ8	4762	50	100-200	7.5	16310
NXZ-15	Φ15	4510	176	260-400	7.5	24181
NXZ-16	Φ16	4545	200	400-600	5.5	28520
NXZ-18	Φ18	4545	254	650-900	5.5	30492
NXZ-24	Φ24	5343	450	1000-1500	7.5	38066
NXZ-30	Φ30	5343	706	1500-2000	7.5	46210
NXZ-45	Φ45	8033	1590	2400-3000	11	77200
NXZ-53	Φ53	6946	2206	3000-4000	15	99610
NXZ-62	Φ62	8439	3012	4500-8000	18.5	130100
NXZ-80	Φ80	9385	5025	8000-11000	22	1920360
NXZ-100	Φ100	8832	7658	15000-18000	30	2398500
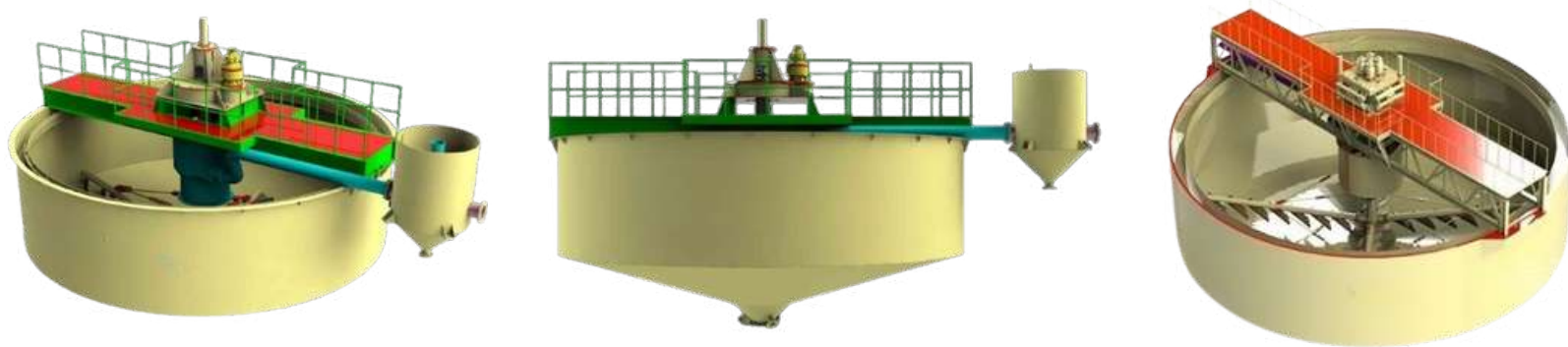
ZSW Vibrating Feeder

ZSW vibrating screen is primarily used for continuous and even feeding before the coarse crusher. It also screens fine materials, helping to increase the crusher's capacity. The feeder offers several advantages, including a simple structure, easy installation, smooth vibration, reliable operation, long service life, and minimal maintenance requirements. Additionally, it is designed for easy automation and control.

Applicable materials : used for conveying ferrous or non-ferrous metal ores, building materials; not suitable for conveying sticky and wet materials.
Production capacity : 96 – 560 tph

ZSW Vibrating feeder						
Model	Input Measure(mm)	Max particle(mm)	production capacity(t/h)	Eccentric wheel speed(r/min)	Dynamo power(kw)	Weight(kg)
ZSW-380×95	3800×950	500	96-160	800	11	4082
ZSW-420×110	4200×1100	580	120-240	800	15	4149
ZSW-490×960	4900×960	500	120-240	800	15	5351
ZSW-490×110	4900×1100	630	120-280	800	15	5352
ZSW-590×110	5900×1100	630	350-500	800	22	6130
ZSW-600×130	6000×1300	750	400-560	800	22	7800

Chute Feeder

Chute Feeder can be installed either on the ground or suspended at the discharge port of the mine silo. It is used to convey lumpy materials from a storage bin to a receiving device through the reciprocating motion of the bottom plate. However, it is not suitable for conveying powder-like materials.

Feeding capacity : 10 – 90 tph
Max. particle : 50 – 350 mm
Applicable materials : short-distance conveying of lumpy materials with feed size below 160 mm.

Chute feeder						
Model	Discharge measure (mm)	Max particle (mm)	Feeding capacity(t/h)	Dynamo model	Dynamo power(kw)	Weight
300×300	300×300	50	10--20	Y90L-4	1.5	265
400×400	400×400	100	10--30	Y112M-6	2.2	535
600×500	600×500	200	10--50	Y112M-4	4	1045
700×500	700×500	250	10--60	Y112M-4	4	1100
1240×980	1240×980	350	36-90	Y160M-6	7.5	1710
1240×1100	1240×1100	350	50-110	Y160L-6	11	1780
1240×1240	1240×1240	350	60-130	Y160L-6	11	1930

Swaying Feeder

Swaying feeder is an auxiliary device for transport materials, suitable for concentrators, smelters, cement plants, placer operations, machinery casting workshops, and other industries. Installed in the lower part of a hopper and suspended from a steel structure, it provides continuous, uniform, and quantitative feeding of bulk, granular, or powdery materials.

Feeding capacity : 4.5 – 25 tph
Max particle : 25 – 50 mm

Pendulum feeder						
Model	Input Measure(mm)	Output Measure(mm)	eccentric throw(mm)	Frequency(r/min)	Max particle(mm)	Production capacity(t/h)
BG250×250	250×250	250×30-125	0-90	46	25	4.5
BG300×300	300×300	300×30-125	0-90	46	30	6.5
BG400×400	400×400	400×50-130	0-170	45.5	35	12
BG600×600	600×600	600×50-150	0-200	45.8	50	25

GZ Electro-Vibrating Feeder

The feeder features a simple structure, making it ideal for feeding non-cohesive materials. It offers uniform feeding, good continuous performance, and adjustable excitation force, allowing for real-time flow control. Additionally, it is easy to operate and maintain.

Scope of application : used in mining, metallurgy, coal, electric power, chemical industry, glass, refractory materials and other industries.
Applicable material : uniformly, quantitatively, continuously supply bulk, granular or powder material.
Production capacity : 5 – 100 tph

GZ Electro-vibrating feeder							
Model	Tank Size (mm)	Max particle(mm)	Parallel feeding capacity (t/h)	feeding capacity (t/h)	Power (kW)	Boundary dimension (mm)	Weight (kg)
GZ1	600×200×100	50	5	7	0.06	910×376×485	80
GZ2	800×300×120	50	10	14	0.15	1175 × 608 × 600	165.5
GZ3	900×400×150	75	25	35	0.2	1325×578×675	223
GZ4	1100×500×200	100	50	70	0.45	1616×762×814	462
GZ5	1200×700×250	150	100	140	0.65	1815×840×980	656
GZ6	1600×900×250	200	150	210	1.5	2410×10925×1500	1252

Belt Feeder

Belt feeders are commonly used when material, either stockpiled or loaded at an uncontrolled rate into a bin or hopper, needs to be introduced into the system at a controlled feed rate.

Scope of Application : Cement plant, metallurgy, electric power departments, building materials, mining, road construction and other industries.
Production capacity : 10 – 450 tph

Belt feeder						
Model	Belt width(mm)	Fore and aft wheel center distance（mm）	Fore and aft wheel diameter(mm)	Feeding capacity (t/h)	Feeding particle(mm)	Electromotor model
500×1000		1000		10~100	0~50	YCT112-4B
500×1300		1300		10~100	0~50	YCT160-4A
500×1500		1500		10~100	0~50	Y2.2-1.0-50-32
500×2000	500	2000	219	10~100	0~50	Y2.2-1.0-50-32
500×2800		2800		10~100	0~50	YCT160-4A
500×3000		3000		10~100	0~50	YCT160-4A
500×4000		4000		10~100	0~50	YCT160-4A

Disc Feeder

Disc feeder product is suitable for use in mineral processing plants, smelting plants, cement plants, sand mines, mechanized foundries, and other industries. It is typically suspended from a steel structure and installed beneath the hopper for continuous feeding.

Production capacity : 0 – 88.4 tph
Max. particle : 20 – 80 mm

Disc feeder							
type	Model	Disc diameter(mm)	Disc speed(r/min)	feeding capacity(t/h)	Electromotor mode	Electromotor power(kW)	Weight(kg)
Closed Hanging type	YG300	300	10	0 ~1.8	Y80L-4	0.55	115
	YG400	400	10.7	0 ~2.6	Y90L-6	1.1	120
	YG500	500		0 ~3.3	Y90L-6	1.1	124
	YG600	600	10	0 ~5.0	Y90L-6	1.1	130
	YG800	800	9	0 ~8.0	Y90L-6	1.1	195
	YG1000	1000	9	0~12	Y90L-4	1.5	263
	YG1500	1500	7	0~22	Y132M2-6	5.5	755
	YG2000	2000	5	0~80	Y160L-6	11	2517

Single-Pipe Spiral Feeder

This product provides both horizontal and inclined feeding solutions for materials such as fly ash, cement, building materials, chemical raw materials, coal powder, and grain. It can be customized to meet specific feeding volumes and is ideal for dry powder and small particle materials. It is used to feed material at the bottom silo.

Scope of application : Mining, processing plant, chemical industry, cement, building materials and other departments.
Applicable materials : dry powder and small granular materials
Production capacity : 1.1-208 m³/h

Single pipe spiral feeder								
Model	Spiral diameter（mm）	Spiral length(mm)	Spiral Speed (r/min)	Feeding capacity(m³/h)	Electromotor		Weight(kg)	Note
					Model	power(kw)		
250	250	1200	34	6	XWD2.2-4-29	2.2	459	Single-spiral
300	300	28000	59	21.3	XWD7-23-11	11	3329	
350	350	1500	43	30	XWD5-23-5.5	5.5	629	
350	350	3000	43	30	XWD5-23-5.5	5.5	881	
350	350	4000	43	45	XWD5-23-5.5	5.5	1316	Double-spiral
400	400	3000	43	50	XWD5-23-5.5	5.5	1439	

ZG Intertial Vibration Feeder

This product is suitable for use in mineral processing plants, smelting plants, cement plants, sand mines, mechanized foundries, and other industries. Suspended from a steel structure and installed beneath the hopper, it provides continuous, uniform, and quantitative feeding of lump, granular, or powdery materials.

Scope of application : Applicable to mineral processing plant, smelting plant, cement plant, sand mine, mechanised foundry and other departments.
Applicable materials : lumpy, granular or powdery materials
Production capacity : 25-2000 t/h
**Maximum feed size :** 420 mm

Model	Max particle(mm)	Productivity(t/h)	Electromotor model	Power(KW)	Vibrational frequency(r/min)	Weight(Kg)
ZG-25	60	25	YZU-2.5-4	0.25×2	1500	90
ZG-30	60	30	YZU-2.5-4	0.25×2	1500	102
ZG-60	90	60	YZU-5-4	0.4×2	1500	158
ZG-80	160	80	YZU-5-4	0.4×2	1500	162
ZG-100	210	100	YZU-8-4	0.75×2	1500	209
ZG-200	270	200	YZU-17-4	0.75×2	1500	372
ZG-300	300	300	YZU-17-4	0.75×2	1500	556

Y47 Electromagnetic Vibrating Feeder
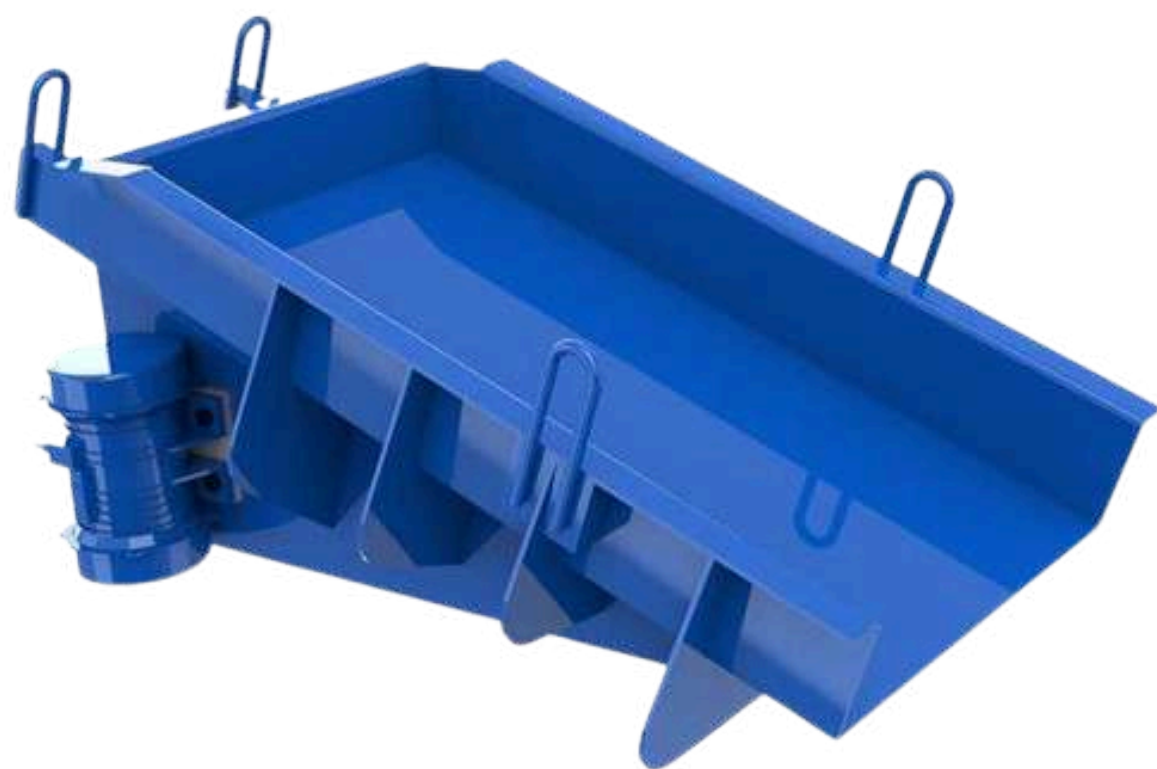
Y47 Electromagnetic Vibrating feeder				
Model	Trough Size (mm)	feeding capacity(m³/h) horizontal	(-10°)	Max particle(mm)
Y4740100	400×1000×200	40	60	100
Y4740150	400×1500×200	40	60	100
Y4740200	400×2000×200	40	60	100
Y4750100	500×1000×250	60	90	120
Y4750150	500×1500×250	60	90	120
Y4750250	500×2500×250	60	90	120
Y4763150	630×1500×315	90	180	150
Y4763200	630×2000×315	90	180	150
Y4763250	630×2500×315	90	180	150
Y4780150	800×1500×315	120	180	180

This product offers stable operation, ease of use, and a wide range of applications. Additionally, it is energy-efficient, high-performing, and has a large carrying capacity with smooth operation.

Scope of application : used in mining, metallurgy, coal, electric power, chemical industry, glass, refractory materials and other industries.
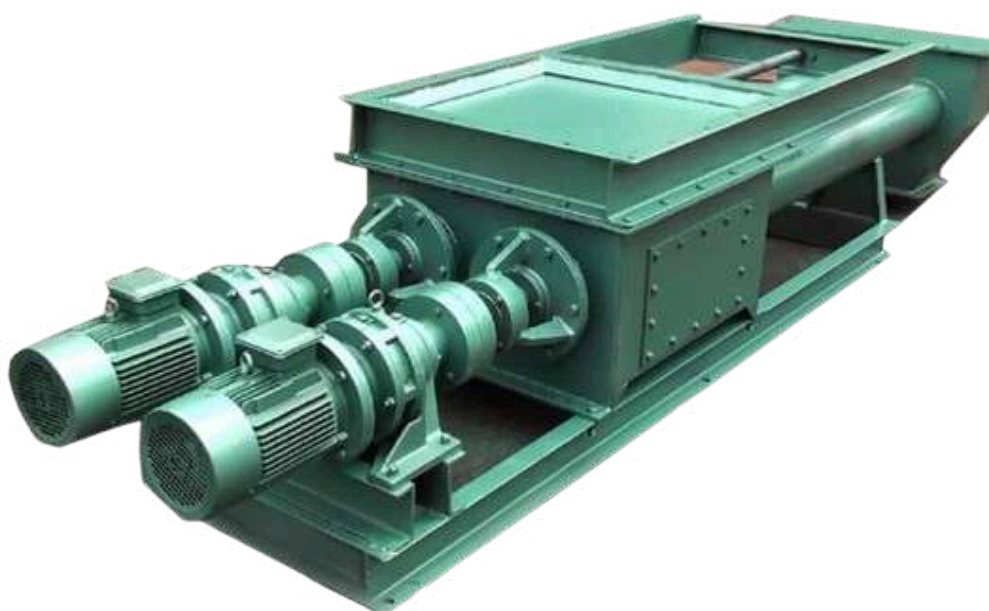**Applicable materials :** uniform, quantitative and continuous supply of lump, granular or powdery materials.
Production capacity : 40 - 480 m³/h
Maximum feed size : 300 mm

Double-Pipe Spiral Feeder

Double-pipe spiral feeder product is primarily designed for inclined conveying and vertical lifting of various loose materials, including powders, granules, and small blocks. It is not suitable for conveying materials that are easily deteriorated, viscous, prone to lumping, high-temperature sensitive, pressure-sensitive, or highly corrosive.

Production capacity : 10 – 30 m³/h

Double-pipe spiral feeder					Motor		
Model	Spiral diameter(mm)	Spiral lenth(mm)	Spiral speed(r/min)	feeding capacity(m³/h)	Model	Power(kw)	weight(kg)
250	250	3000	65	10--30	XWD7-7.5-4-23	7.5	2699

Heavy Plate Feeder

The heavy-duty plate feeder is an auxiliary piece of equipment for transport machinery, commonly used in large-scale ore dressing plants, crushing and grading workshops, as well as in industries such as cement and building materials. It provides continuous and uniform feeding from the silo to the primary crusher and can also be used for short-distance conveying of larger-sized and higher-specific gravity materials. The feeder can be installed horizontally or inclined, with a maximum inclination angle of 12 degrees. To prevent materials from directly impacting the feeder, it is essential that the silo does not unload completely.

Production capacity : 100-400 m³/h

| Heavy plate feeder								
Model	Chain board width (mm)	Sprocket center distance (mm)	speed (m/s)	Production capacity (m³/h)	Electromotor Model	Power	Boundary dimension(mm)	Weight(kg)
GBZ120-4.5		4500					6983×5228×2080	31279
GBZ120-5		5000			Y160L-4	15	7593×5228×2080	33427
GBZ120-5.6		5600					8183×5228×2080	34321
GBZ120-6		6000					8638×5228×2080	35900
GBZ120-8	1200	8000	0.05	100			10533×5293×2080	41342
GBZ120-8.7		8700			Y180L-4	22	11383×5293×2080	43164
GBZ120-10		10000					12583×5293×2080	46962
GBZ120-12		12000					14653×5293×2080	51844
GBZ120-15		15000			Y200L-4	30	17658×5518×2080	62157
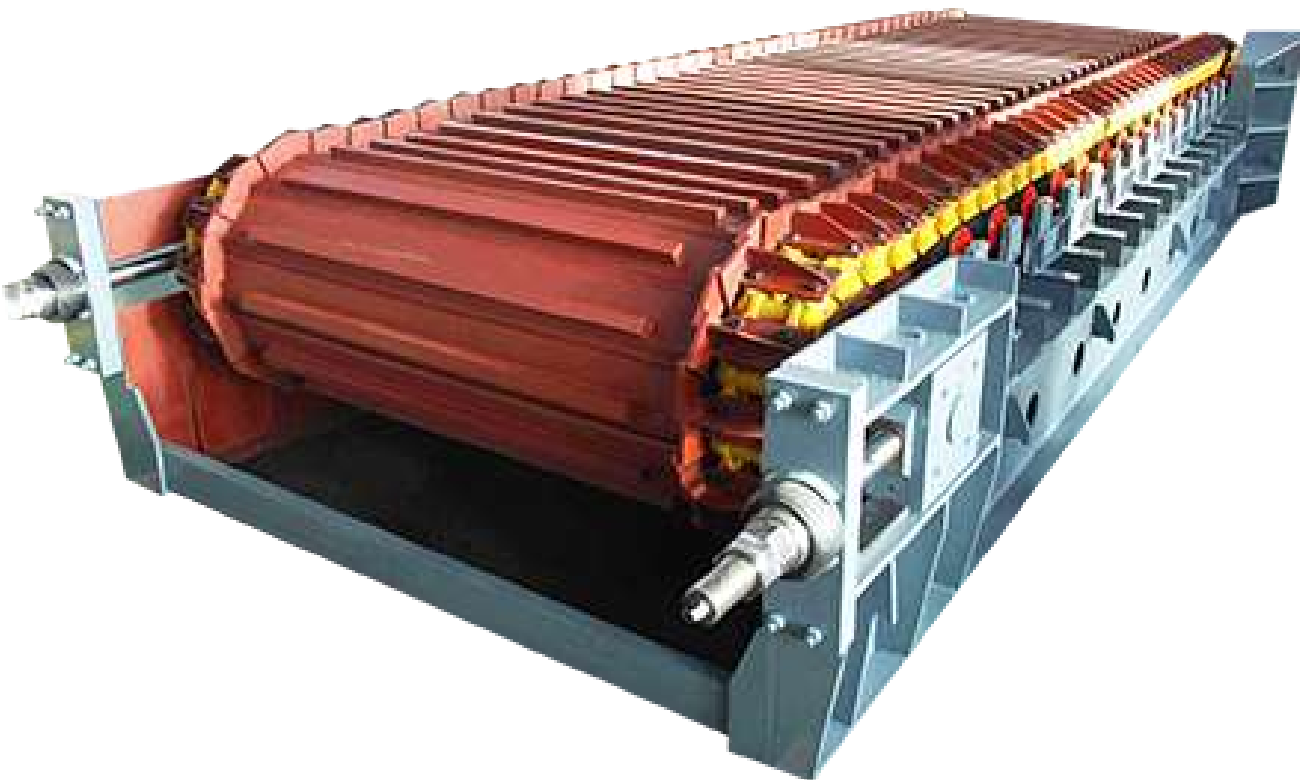
Material Delivery Equipment

HQ Belt Conveyor

The HQ Smart Counter utilizes a 'counter-reflective' infrared sensor to accurately detect the number of counts based on the duration an object passes through the sensor. It offers advantages such as strong anti-interference, no loss of counts during power outages, and easy installation and operation.

Scope of application : chemical plants, cement plants, fertiliser plants, feed mills, flour mills, grain reserves, wharves, station yards.
Applicable materials : used for loading, unloading and conveying soil, sand, coal, gravel, grain and other bulk and piece materials.
Length : 5 – 20 m
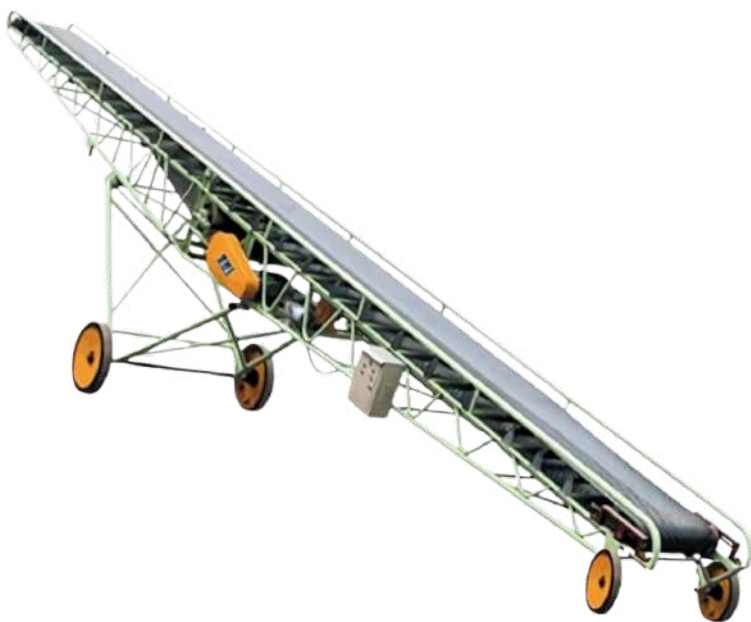
HQ belt conveyor								
model	Conveying length(m)	belt width(m)	belt speed(m/s)	delivery capacity(m³/h)	delivery height(m)	Tighten schedule(mm)	motor power(kw)	weight(kg)
HQ72- 5	5	400	1.25	74	1	150	1.1	333
HQ80- 7	7.2	400	1.25	74	1.15	220	1.1	425
HQ80- 10	10	400	1.25	74	1	220	1.5	511
HQ69-10	10	500	1.6	110	3.91	300	2.2	1550
HQ69-15	15	500	1.6	110	5.7	300	3	1800
HQ71-20	20	500	1.6	120	6.9	300	7.5	2500

Corrugated Sidewall Angle Belt Conveyor

Corrugated sidewall angle belt conveyor are widely used in industries such as coal, metallurgy, building materials, grain, chemicals, electric power, and more. They are applied in underground mining, open-pit mining, large-scale ship unloading, and other operations. These products are designed for conveying powdery, granular, small lumpy, pasty, and liquid materials that are prone to scattering.

Production capacity : 13-794 m3/h

belt width（mm）							500			650					800							
Guard height (mm)		80		120		160		80		120			160		120			160		200		
Baffle spacing(mm)	126	252	126	252	378	252	378	126	252	126	252	378	252	378	126	252	378	252	378	252	378	504
dip angle 30°	39	21	—	52	34	65	45	59	32	—	78	52	105	73	—	99	65	136	94	—	148	113
dip angle 40°	31	16	—	40	26	52	34	47	24	—	60	40	85	56	—	76	50	110	72	—	114	87
dip angle 50°	25	13	60	32	—	42	27	37	19	90	48	—	68	45	113	60	—	88	58	139	91	—
dip angle 60°	20	11	50	26	—	34	23	31	16	75	39	—	55	36	95	49	—	72	47	113	74	—
dip angle 70°	17	—	41	21	—	28	18	25	—	62	32	—	45	30	77	40	—	58	38	92	61	—
dip angle 90°	10	—	25	—	—	17	—	15	—	38	—	—	28	—	47	—	—	36	—	57	37	—

belt width（mm）						1000							1200					
Guard height（mm）			160		200			240			160			200			240	300
	252	378	252	378	504	252	378	504	252	378	504	252	378	504	252	378	504	336	504

Belt Conveyor

Belt conveyor							
carrying idler	belt speed	belt width B (mm)					
	(m/s)	500	650	800	1000	1200	1400
		Delivery capacity Q (t/h)					
trough idler	0.8	78	131	—	—	—	—
	1	97	104	278	435	655	891
	1.25	122	206	318	544	819	1115
	1.6	156	264	445	696	1048	1427
	2	191	323	546	853	1284	1748
	2.5	232	391	551	1033	1556	2118
	3.15			824	1233	1858	2528
	4					2202	2995

The belt conveyor consists of a single or multi-unit transport system designed to convey materials, which can be arranged in horizontal or inclined configurations based on process requirements. In addition to these basic configurations, the belt conveyor can also incorporate combinations of convex-arc, concave-arc, and straight-line sections. The capacity to convey lump materials depends primarily on the belt's width, speed, groove angle, and inclination angle, as well as the frequency of large material lumps. The belt conveyor is suitable for conveying various materials and operates in a working environment with temperatures typically ranging from -25°C to +40°C.

Scope of Application : Metallurgy, mining, coal, port, transportation, water and electricity, chemical industry and other departments.
Delivery capacity : 78 – 2995 tph

LS Screw Conveyor

Screw conveyor is the updated model of the GX type screw conveyor. The whole conveyor is reliable, durable, adaptable, easy to install. It is suitable for conveying the powder, granular, and block materials (temperature < 200 ℃)，such as coal powder, coal ash, argil, sand, cement, carbamide etc. The screw conveyor is not only used for the concrete batching plant, bituminous concrete batching, but also for the chemical, building, food, metallurgy and so on.

Conveying capacity : 0.45-416.4 m³/h

LS Screw conveyer											
Model and Specification		screw diameter(mm)	screw pitch (mm)	Standard volume throughput				Standard volume throughput			
				speed(r/min)	lv(m3/h)			speed(r/min)	lv(m3/h)		
					ф	ф	ф		ф	ф	ф
					0.45	0.33	0.15	n	0.45	0.33	0.15
minitype	LS100	100	100	140	3	2.2	1	112	2.4	1.7	0.8
	LS125	125	125	125	5.2	3.8	1.7	100	4.1	3	1.4
	LS160	160	160	112	9.7	7.1	3.2	90	7.8	5.7	2.6
	LS200	200	200	100	16.9	12.4	5.6	80	13.5	9.9	4.5
middle-sized	LS250	250	250	90	29.7	21.8	9.9	71	23.5	17.2	7.8
	LS315	315	315	80	52.9	38.8	17.6	63	41.6	30.5	13.9
	LS400	400	355	71	85.3	62.5	28.4	56	67.3	49.3	22.4
large-size	LS500	500	400	63	133.2	97.7	44.4	50	105.8	77.6	35.3
	LS630	630	450	50	188.9	138.5	63	40	151.1	110.8	50.4
	LS800	800	500	40	270.7	198.5	90.2	32	216.6	158.8	72.2
outsize	LS1000	1000	560	32	379	277.9	126.3	25	296.1	217.1	98.7
	LS1250	1250	630	25	520.5	381.7	173.5	20	416.4	305.4	138.8

Material Delivery Equipment

Air-Cushion Conveyor

The air-cushion conveyor is a next-generation long-distance conveying equipment. Compared to traditional belt conveyors, it offers high efficiency, large capacity, and reduced belt deviation. This series features a simple structure, fewer wear parts, and a reduction in maintenance costs by over 50%. It is suitable for conveying both bulk and packaged materials and is designed with a circular enclosed chamber, making it ideal for transporting hazardous materials in the chemical and pharmaceutical industries.

The air-cushion conveyor is widely used in sectors such as metallurgy, coal, chemicals, pharmaceuticals, grain, feed, ports, and wharves.
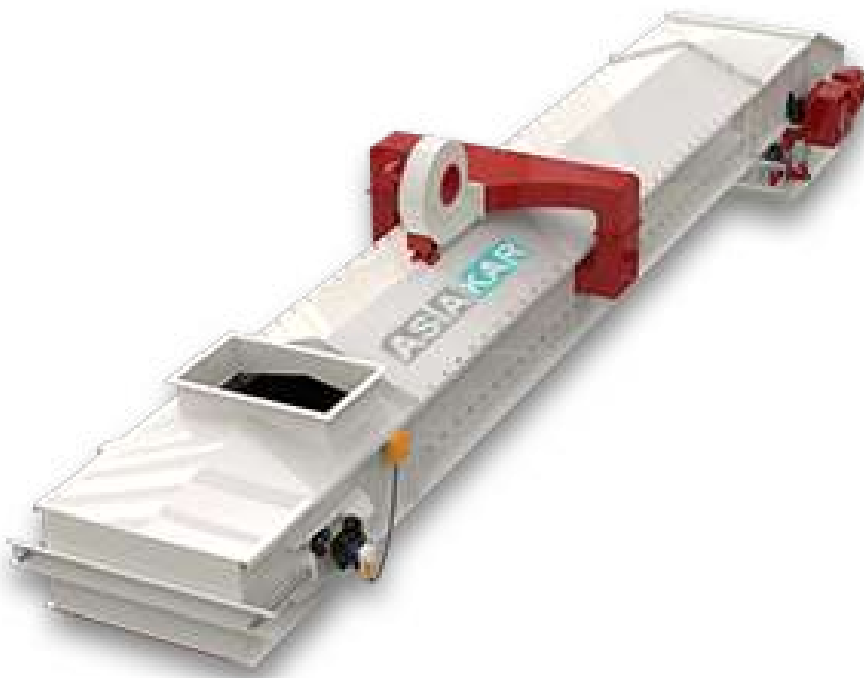
Air-cushion conveyor				
Model	Type	max length (m)	belt speed (m/s)	dip angle(°)
QJG-300	stationary type	80	0.8-4	0-25
QJY-300	mobile type	20		May-22
QJG-400	stationary type	100		0-25
QJY-400	mobile type	20		May-22
QJG-500	stationary type	120	0.8-5	0-25
QJY-500	mobile type	20		May-22
QJG-650	stationary type	260		0-25
QJY-650	mobile type	20		May-22
QJG-800	stationary type	1000	01-May	0-25
QJY-800	mobile type	20		May-22
QJG-1000	stationary type			
QJG-1200	mobile type	1000	1-6.3	0-25
QJG-1400	stationary type			
QJG-1600	mobile type	1500		

GX Fixed Screw Conveyor

Screw conveyor is primarily used for transporting powdery, granular, and small lumpy materials, such as coal powder and furnace ash. It offers advantages such as large carrying capacity, safety, and reliability. Additionally, it is highly adaptable, easy to install and maintain, and boasts a long service life.
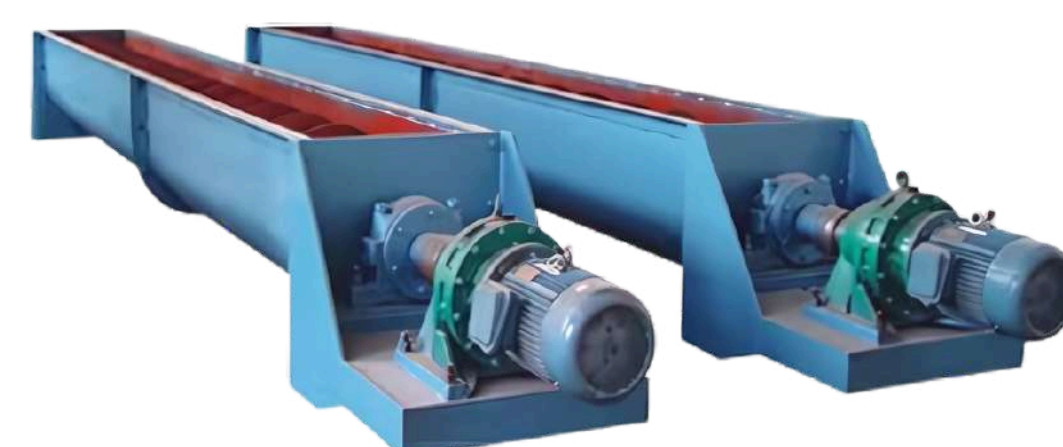
Scope of Application : Chemical industry, building materials, food and other departments.
Production capacity : 4.5 – 139 tph

							GX Fixed screw conveyor					
model	screw diameter(mm)	Magnesium powder conveying capacity(t/h)	cement conveying capacity(t/h)	sodium carbonate conveying capacity(t/h)	width×height (mm)	Inlet shortest arrangement(mm)	Inlet square opening size (mm)	Inlet height (mm)	outlet square opening size (mm)	outlet height(mm)
GX15	150	4.5	4.1	3	272×314	190	170	75	176	135
GX20	200	8.5	7.9	6.7	342×384	220	220	100	226	165
GX25	250	16.5	15.6	10.7	392×464	270	270	120	276	195
GX30	300	23.3	21.2	18	468×555	300	320	140	328	225
GX40	400	54	51	35.5	572×685	350	420	160	428	280
GX50	500	89	85	70	706×823	450	528	160	536	340
GX60	600	139	134	97	806×973	550	628	180	636	430

Cylindrical External Filter

Cylindrical external filter is a standard filter that achieves stepless speed control by adjusting the motor's rotation. It offers advantages such as a simple structure, low cost, ease of operation, and minimal wear on parts.

F**ilter area :** 3 – 50 m²
Scope of Application : mineral processing, metallurgy, chemical industry, paper making and other departments.

			Outside the tube type filter type filter				
model	filter area(m2)	Cylinder size(mm)	Cylinder speed(r.p.m)	vacuum pressure(KPa)	swept volume(m3/mi n.m2)	Production capacity(t/h)	motor model
GW-3	3	φ1068×910	0.156-1.56	60-80	0.5-2	0.8-1.5	YCT132-4B
GW-5	5	φ1600×1060	0.156-1.56	60-80	0.5-2	1.6-2.4	YCT132-4B
GW-8	8	φ2000×1400	0.1-0.6	60-80	0.5-2	2.8-3.6	YCT160L-4A
GW-10	10	φ2000×1800	0.1-0.6	60-80	0.5-2	3.0-4.0	YCT160L-4A
GW-12	12	φ2000×2000	0.1-0.6	60-80	0.5-2	42434	Y112M-6
GW-20	20	φ2500×2650	0.14-0.54	60-80	0.5-2	3-8.0	YCT160-4B
GW-30	30	φ3350×3000	0.1-0.6	60-80	0.5-2	4.5-12	YD160M-8
GW40	40	φ3350×4000	0.1-0.6	60-80	0.5-2	6.0-16	YD160M-6
GW-50	50	φ3350×5000	0.1-0.6	60-80	0.5-2	7.5-20	YD160M-4

Filtration Equipment

Disc Type Vacuum Filter

The disk vacuum filter utilizes a pressure difference to separate solid particles and liquids through a porous medium, such as filtration fabric or plates. The disk-type vacuum filter uses vacuum pressure as the driving force to separate the solid and liquid phases.

Filter area : 9 – 116 m²

					Disc type vacuum filter		
model	filter area(m²)	Disc diameter(mm)	filter plate number	Number of each filter plate of fan	Motor power		weight (T)
					spindle motor	Mixing motor	
GPT10-2	10	2100	2	20	4	5.5	10.4
GPT15-3	15	2100	3	20	4	5.5	11
GPT20-4	20	2100	4	20	4	5.5	11.6
GPT25-5	25	2100	5	20	4	5.5	12.2
GPT30-6	30	2100	6	20	4	5.5	12.8
GPT35-7	35	2100	7	20	4	5.5	13.4
GPT40-8	40	2100	8	20	4	5.5	14
GPT48-4	48	3100	4	20	5.5	7.5	18
GPT60-5	60	3100	5	20	5.5	7.5	21
GPT72-6	72	3100	6	20	7.5	7.5	24
GPT84-7	84	3100	7	20	7.5	7.5	27
GPT96-8	96	3100	8	20	7.5	7.5	30

Permanent Magnetic Vacuum Filter Press

Permanent magnetic vacuum filter press is a standard filter with high speed, adjustable via the motor. It offers advantages such as a simple structure, low cost, ease of use, minimal maintenance, and low wear.

Production capacity : 0.68 – 8 tph
Scope of Application : mineral processing, metallurgy, chemical industry, paper making and other departments.

				Vaccum permanent magnet filter				
model	filter area(m²)	barrel specification (mm)	barrel speed (r/min)	Tube sheet of magnetic induction intensity	vacuum pressure(kpa)	swept volume(m²/mi n.m²)	Blast indicated pressure (kpa)	Production capacity(t/h)
SGYW-3	3	Φ1600×700	0.5-2	82	60-80	0.5-2	42673	42530
SGYW-5	5	Φ2000×900	0.5-2	82	60-80	0.5-2	42673	14-18
SGYW-8	8	Φ2000×1400	0.5-2	82	60-80	0.5-2	42673	22-43
SGYW-12	12	Φ2000×2000	0.5-2	87	60-80	0.5-2	42673	33-65
SGYW-20	20	Φ2550×2650	0.5-2	87	60-80	0.5-2	42673	50-100