

# COVIRY PACIFIC

## FIXED PLANT & EPC PROJECTS

CRUSHERS

FEEDERS

SCREENS

SAND MAKING

CONVEYORS



# Content

At Coviry Pacific, our mission is to deliver world-class mineral processing solutions tailored to the unique needs of the Australian market. As a subsidiary of Coviry, we leverage decades of industry expertise and cutting-edge technology from our parent company to provide sustainable, efficient, and high-performance equipment & EPC solutions. Our unwavering focus on quality, safety, and innovation ensures that we deliver reliable, cost-effective systems that drive operational excellence for our clients.

As we continue to expand our footprint in Australia, we remain committed to building long-lasting partnerships grounded in trust and mutual success. Whether you're looking to optimise your existing processes or embark on new projects, our dedicated team is here to support you every step of the way. Thank you for considering Coviry Pacific as your trusted partner in advancing your business. We look forward to being a part of your journey toward greater efficiency and productivity.

**Andrew Hird**  
CEO



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# COVIRY

Let us tell you something  
**About Us**

**Coviry** is a producer of both fixed and mobile crushing, screening, and sand-making equipment. **Coviry Pacific** brings world-class engineering and manufacturing expertise from its parent company Coviry to the Australian and broader Pacific markets.

## The Coviry Advantage

At Coviry Pacific, we understand the unique demands of the Australian and Pacific region, including challenging terrains, rigorous environmental standards, and the need for reliable, and durable equipment. By integrating cutting-edge engineering with local industry insights, we offer a portfolio of machinery designed to enhance productivity, reduce operational costs and ensure the highest levels of performance.

**Fixed Plant**



**Mobile Plant**



We collaborate closely with our major shareholders



# PACIFIC

## Manufacturing Excellence & Quality Assurance

Coviry has built a reputation for its robust, high-performance machinery, and Coviry Pacific is committed to upholding these same standards. Our parent company, Coviry, operates state-of-the-art manufacturing facilities with over 150,000 square metres of workshop space which has produced over 3,000 fixed and mobile production units. This extensive manufacturing capacity allows us to maintain strict quality control processes at every stage, from design and production to final assembly.



**150,000** <sup>m<sup>2</sup></sup> Workshop Space

## We've Produced

Crushers: **1,000+**  
Feeders: **600+**  
Screens: **1,000+**  
Sand Making: **500+**  
Mobile Crushers: **30+**

## Our Capabilities

Coviry Pacific specialises in designing and manufacturing a wide range of equipment, including mobile crushers, screening plants, cone crushers, impactors, and sand-making machines. Our product lines are built to handle even the toughest materials, such as basalt, granite, limestone, and river rock, with precision and efficiency.

- **Advanced Engineering:** All Coviry machines are engineered with the latest innovations, incorporating hydraulic systems, wear-resistant materials, and intelligent remote controls.
- **Comprehensive Product Range:** From high-capacity jaw crushers to versatile mobile screening plants, our solutions are tailored to suit primary, secondary, and tertiary crushing applications.
- **Customised Solutions:** With access to Coviry's engineering expertise, we offer customised configurations to match specific operational requirements and ensure optimal productivity.
- **EPC Capability:** We offer a complete service to design and construct an entire processing plant, managing every step from raw feed to the final customer product.

# EPC CAPABILITY

from concept to commissioning

## Turnkey Projects

Coviry has a proven track record in delivering turnkey solutions for the mining and aggregate industries' crushing and screening needs. This experience covers complete plant installations for mining, sandmaking and other mineral processing across South-East Asia, Central Asia, Africa and South America. Coviry Pacific utilises this extensive background to tailor solutions to the Australian market.



### LIMESTONE

**Project:** Huaji Crushing Plant  
**Capacity:** 400 tph  
**Location:** Guangdong, China  
**Rock:** Limestone  
**Main Equipment:** PEG900x1200 Jaw Crusher, CCG280T Cone Crusher, CCM500Z Cone Crusher  
**Year:** 2022



### GRANITE

**Project:** Granite Aggregate Crushing Plant  
**Capacity:** 1000 tph (double lines)  
**Location:** Jiangxi  
**Rock:** Granite  
**Main Equipment:** CFW1870 Feeder, CJ1600 Jaw Crusher, CCS450T Spring Cone Crusher, CCM500 Multi Cylinder Hydraulic Cone Crusher, CSY2570-2 Vibrating Screen, CSY3075-2 Vibrating Screen, CV500 Sand Making Machine, GMB3645 Rod Mill, CLD3027 Wheel Bucket Sand Washer, CSZ2460 Dewatering Screen, CSZ3060-2 Double-Layer Dewatering Screen, CSR2460-500-2 Fine Sand Recovery Machine  
**Year:** 2022



### COPPER

**Project:** Copper Mine  
**Capacity:** 800 tph  
**Location:** Kazakhstan  
**Rock:** Copper Ore  
**Main Equipment:** PJ1200 Jaw Crusher, CFZ1360 Linear Vibrating Screen, CFW1520 Vibrating Feeder, CCS400 Cone Crusher, CCS300 Cone Crusher, CSY2870 Vibrating Screen  
**Year:** 2017



# GYRATORY CRUSHER

## detailed Specifications

### CCK SERIES

The CCK Hydraulic Rotary Crusher leverages over 30 years of experience in product design and manufacturing within the crushing industry. Drawing on advanced crusher technology, this efficient hydraulic rotary crusher has been developed to deliver exceptional performance.

The CCK high-efficiency hydraulic rotary crusher combines a high-strength body, advanced hydraulic system, electrical automation, and intelligent control technology. It embodies the latest in rotary crusher technology, surpassing traditional crushers in terms of crushing efficiency, reduced production costs, and ease of maintenance. Its robust design makes it the top choice for efficient coarse crushing in large mining operations.

## Features

- **Superior Crushing Capacity:** The crusher features a large inclination angle and extended crushing surface, providing powerful crushing force and prolonging liner life.
- **Durable and Reliable Design:** A heavy-duty frame, large-diameter integrated spindle, and high-performance bearings ensure enhanced service life and safe, reliable operation. The use of an integral forged spindle eliminates the risks associated with loose moving cones, reducing maintenance needs.
- **Optimised Shaft Strength:** The threaded moving cone nut is set on a replaceable alloy steel sheath, preventing stress concentration on the main shaft and enhancing its durability. The upper shaft, with its large diameter and ultra-high strength, is designed to withstand tough and demanding crushing conditions.

**30** Years of CCK Series Product Development

**High Output  
Low Crushing Costs**

## CCK Series Technical Parameters

Model	Motor Power (kW)	Feed Opening (mm)	Max Feed Size (mm)	Capacity (t/h)					
				140mm	150mm	165mm	175mm	190mm	200mm
<b>CCK4265</b>	400	1100	900	1650	1900	2100	2350		
<b>CCK5065</b>	450	1300	1050		2260	2650	2800		
<b>CCK5475</b>	500	1400	1180		2575	2890	3050	3240	3400
<b>CCK6275</b>	550	1600	1350		2600	3100	3300	3685	3750

Note: The capacities listed in the table are based on a bulk density of 2.7 t/m<sup>3</sup> with smooth and consistent feeding. Smaller settings will yield capacities closer to the lower end, while larger settings will approach the upper range. Actual capacity may vary depending on factors such as feeding method, material characteristics (gradation, moisture content, clay content), bulk density, and crushability.



Maximum Capacity  
**3,750t/h**



Maximum Feed Size  
**1,350mm**

# JAW CRUSHER

detailed Specifications

## PJ/PEG SERIES

The **PJ and PEG Series Jaw Crushers** are extensively used across industries such as metallurgy, chemicals, construction, power generation, and transportation. Its simple structure, robust build, and reliable performance make it ideal for applications requiring durability, easy maintenance, and low production costs. This crusher is designed to handle various ores and rocks with compressive strengths ranging from 147 to 245 MPa, and can crush materials up to a maximum strength of 320 MPa. Compared to traditional jaw crushers, the PJ series is significantly optimised with a well-designed cavity shape, smoother operation, and reduced energy consumption, making it ideal for coarse crushing of ores and bulk materials.

### Features

- **High Strength and Stability:** The fully cast body offers exceptional compressive strength, ensuring stable performance with hard materials.
- **Optimised Cavity Design:** Enhances throughput by 15-20% while lowering energy consumption.
- **Improved Bearing Lubrication:** Enhanced lubrication system reduces bearing temperatures and extends bearing life.
- **Enhanced Crusher Tooth Design:** Increases material flow, extending tooth plate lifespan and reducing maintenance costs.
- **Simple and Efficient Maintenance:** The straightforward structure allows for quick and easy maintenance, minimising downtime.



Maximum Strength  
**320MPa**



Compressive Strength Range

**147 to 245MPa**

### PJ Series Technical Parameters

Model	Maximum feed size (mm)	Discharge opening setting (mm)	Capacity (t/h)	Eccentric shaft speed (rpm)	Motor power (kW)	Dimensions (mm)
PJ750	425	50-120	80-130	275	55	1892x1890x1920
PJ900	500	60-160	100-220	275	75	2085x2180x2371
PJ1100	630	100-200	200-350	275	110	2566x2409x2831
PJ1200	750	100-220	400-630	250	160	3100x2756x3260
PJ1500	1020	160-320	750-1100	220	220	4016x3348x3880
PJ1600	1100	180-330	950-1300	210	355	4370x3360x4400
PJ1800	1200	220-350	1000-1500	205	400	4700x3830x4695

### PEG Series Technical Parameters

Model	Max. Feed Size (mm)	Closed Side Setting (mm)	Capacity (t/h)	Eccentric Shaft Speed (rpm)	Motor Power (kW)	Overall Dimensions (mm)
PEG500x750	425	50-120	60-110	275	55	1892x1890x1920
PEG600x900	500	65-160	80-180	250	75	2248x2180x2373
PEG750x1060	630	80-140	200-300	250	110	2531x2420x2783
PEG900x1200	750	98-165	380-530	220	160	3135x2799x3260
PEGX250x1200	210	15-50	35-80	340	37	1465x2170x1430
PEGX350x1300	300	20-90	70-140	300	75	1720x2296x1663

# JAW CRUSHER

detailed Specifications

## CJ SERIES

The **CJ Series Jaw Crusher** features a world-class modular, non-welded main frame structure, ensuring superior reliability and product quality. Upgraded with advanced European technology, it is ideal for primary stage crushing of boulders in industries such as mining, construction, building materials, roads, railways and chemicals.

### Features

- **Modular, Non-Welded Structure:** The modular design eliminates welding seams, which helps prevent stress concentrations and extends the crusher's lifespan, particularly under heavy loads.
- **High Capacity:** With an optimised cavity shape and discharge opening, the CJ series achieves higher capacity than comparable products. The optimised speed improves movement and performance, resulting in greater throughput.
- **Effortless Installation:** The modular main frame simplifies on-site installation and assembly, offering high fatigue resistance and reliability. Its compact design is ideal for sites with limited space or challenging access, such as underground mines or high-altitude locations.
- **Space-Saving Motor Integration:** The electric motor is mounted directly on the main frame, reducing the space required for installation and shortening the V-belt length. The motor mount adjusts the belt tension, prolonging its service life and enhancing overall efficiency.

### CJ Series Technical Parameters

Model	Feed Opening Dimensions (mm)	Recommended Max Feed Size (mm)	Main Shaft Rotating Speed (rpm)	Motor Power (kW)
CJ80	800x510	410	350	75
CJ100	1000x760	610	260	110
CJ106	1060x700	620	280	110
CJ116	1150x760	630	260	132
CJ125	1250x950	765	220	160
CJ150	1400x1200	1050	220	220
CJ160	1600x1300	1100	220	315
CJ200	2000x1500	1250	200	400



Floor-print Space Saving  
**15%**

### CJ Series Capacity

Product Size (mm)	Closed Side Setting (mm)	CJ80 (t/h)	CJ100 (t/h)	CJ106 (t/h)	CJ116 (t/h)	CJ125 (t/h)	CJ150 (t/h)	CJ160 (t/h)	CJ200 (t/h)
≤60	40	66-86							
≤75	50	81-96							
≤90	60	96-126							
≤105	70	116-151	152-212	155-220	170-220				
≤120	80	131-171	172-227	175-230	190-250				
≤135	90	152-197	192-247	200-260	215-280				
≤150	100	167-217	217-282	220-290	240-310	291-381			
≤185	125	212-277	267-347	285-365	295-385	351-456	420-570		
≤225	150	252-327	317-412	355-435	350-455	411-536	530-710	600-820	
≤260	175	292-382	372-482	390-510	405-525	472-612	630-850	730-980	920-1250
≤300	200		422-547	445-580	460-600	532-692	739-1000	850-1150	1082-1450
≤340	225					591-771	860-1100	980-1350	1255-1699
≤375	250					652-847	980-1320	1020-1520	1437-1898
≤410	275							1260-1710	1625-2199
≤450	300							1400-1900	1820-2462

# CO NE CR USHER

## detailed Specifications

### CCH SERIES

The **CCH Series Single-Cylinder Hydraulic Cone Crusher** is a high-performance machine designed with advanced international concepts. It features a compact structure, strong crushing force, and excellent efficiency, producing superior product shape. Suitable for secondary and tertiary crushing, it offers multiple cavity options and high reliability. An automated system enhances user-friendliness and simplifies maintenance.

The crusher comes in two variants – **CCH** and **CCHS**. The key difference is the feed opening and discharge size, with the CCHS offering a larger capacity. The CCH is ideal for secondary and tertiary crushing, while the CCHS is best for secondary applications.

## Working Principle

During operation, the electric motor drives the eccentric via pulleys, V-belts, countershaft, and gears. This causes the main shaft to swing rapidly, making the mantle and concave move toward and away from each other in a periodic motion. Material in the cavity is crushed through continuous squeezing and impact forces. The hydraulic cylinder at the base of the main shaft adjusts its height, allowing for fine control of the closed side setting to produce various product sizes. Multiple cavity configurations and adjustable eccentricity options enable customisation for different output requirements.



CCHS Max Feed Size  
**460mm**

## Features

- Versatile Cavity Options:** The CCH series offers multiple cavity designs and adjustable eccentricity to suit a wide range of applications and customer needs.
- High Capacity with Low Operating Costs:** Specially designed liners maintain a consistent cavity shape throughout their lifespan, ensuring stable feed size and capacity. This design maximises throughput under similar working conditions and extends liner life, thereby reducing operating costs.
- Effortless Operation and Maintenance:** Maintenance and inspections are performed from above the chamber, simplifying procedures and lowering costs. An advanced sealing system prevents dust entry, prolonging equipment life and minimising upkeep.

## CCH Series Technical Parameters

Model	Motor Power (kW)	Max Feed Size (mm)	Capacity(t/h)														
			8	10	13	16	19	22	25	32	38	44	51	57	64	70	
<b>C.S.S. (mm)</b>			65-85 t/h, 80% ≤ 6mm														
CCH200	EC	185					82-163	88-173	93-184	106-210	117-230						
	C	145				73-144	78-154	83-164	88-175	100-199							
	MC	115			64-142	69-153	72-164	79-175	84-186	95-210							
	M	90			69-131	75-142	80-152	86-162	91-172								
	MF	75		67-108	72-117	78-126	83-128	89-136									
	F	50	53-85		61-98	65-105	70-107	74-113									
	EF	35															
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm														
CCH300	EC	215					133-296	141-315	151-329	167-359	177-397	192-420					
	C	175					107-264	115-284	122-303	130-322	146-360						
	MC	140					117-187	126-278	136-298	145-318	154-339	175-370					
	M	110					126-229	136-247	146-266	155-283	165-301	186-340					
	MF	85					98-178	106-193	114-208	122-223	131-238	139-253					
	F	70															
	EF	38															
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm														
CCH400	EC	275					205-438	218-466	248-549	274-607	300-664						
	CX	245					187-374	200-488	212-519	242-592	268-654	293-700					
	C	215					186-369	198-482	211-512	240-584	265-645	288-690					
	MC	175					176-428	188-457	200-486	228-554	249-595						
	M	135					197-295	211-440	226-470	240-500	274-560						
	MF	115					209-371	224-398	239-425	254-452	287-500						
	F	85					197-306	212-330	227-354	243-378	258-402	292-450					
EF	65					213-295	229-318	244-335	261-350								
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm														
CCH500	EC	290					275-580	311-685	343-760	375-830	411-900						
	CX	260					245-595	260-635	295-720	325-790	355-850						
	C	225					242-590	258-627	294-715	325-780	352-845						
	MC	180					216-524	230-560	245-595	279-875	308-728						
	M	135					258-539	276-575	294-610	330-680	365-725						
	MF	110					256-450	270-485	292-520	311-553	352-610	390-670					
	F	80					242-370	260-400	278-430	298-460	316-490	358-550					
EF	65					260-350	280-385	299-410	320-425	339-460							
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm														
CCH600	EC	300					479-851	546-970	603-1072	660-1174	727-1293	782-1395	851-1514	906-1610			
	C	240					435-638	463-895	527-1020	583-1127	638-1234	702-1359	756-1466	820-1585			
	MC	195					382-442	408-725	435-839	494-956	544-1057	596-1157	657-1274	708-1373	769-1470		
	M	155					400-563	428-786	455-836	519-953	573-1054	628-1154	692-1271	746-1372			
	MF	100					407-718	434-767	462-816	527-930	582-1030	638-1100					
	F	90					357-397	385-658	414-706	442-754	470-802	535-914	649-1120				
	EF	80					280-407	304-519	328-560	352-600	376-641	400-682	455-777	503-850	551-920		
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm														
CCH800	EC	370						449-1309	496-1446	543-1584	598-1745	646-1883	701-2043	748-2175			
	C	330						422-774	482-1404	532-1552	583-1700	642-1873	693-2020	752-2193	803-2340		
	MC	300						365-852	389-1232	443-1404	490-1552	536-1700	591-1873	637-2020	692-2180	803-2320	
	M	230						287-670	307-951	326-1106	372-1261	411-1394	456-1526	496-1681	535-1814	580-1950	
	MF	160						237-690	253-921	269-980	306-1117	339-1235	371-1352	409-1490	441-1607	478-1740	
	F	120						268-669	287-838	307-895	326-952	372-1085	411-1165	450-1051	496-1150	535-1240	
	EF	100						228-666	245-715	262-763	278-812	317-926	351-994	384-1065			
EEF	75						201-585	216-631	232-678	248-724	264-770	301-878	333-970	364-1063			

Cavity Description: EC=Extra Coarse, CX= Coarse Xtra, C= Coarse, MC=Medium, MF=Medium Fine, F=Fine, EF = Extremely Fine, EEF=Extremely Extremely Fine

Model	Motor Power (kW)	Max Feed Size (mm)	Capacity(t/h)																
			25	29	32	35	38	41	44	48	51	54	57	60	64	70	76	83	90
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm																
CCH200	EC	300						192-292	200-304	210-318	218-330								
	CX	300						192-292	200-304	210-318									
	C	255						169-257	176-269	184-281	192-292	200-304							
	MC	200	137-209	147-224	154-235	161-245	168-256	175-267	183-279										
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm																
CCH300	EC	370										325-495	337-510	350-529	362-550				
	CX	370										325-495	337-510						
	C	340										325-495	337-510						
	MC	255																	
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm																
CCH400	EC	450																	
	C	420																	
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm																
CCH500	EC	460																	
	C	430																	
	MC	400																	
	C	400																	
<b>C.S.S. (mm)</b>			90-120 t/h, 80% ≤ 6mm																
CCH600	EC	460																	
	C	430																	

Note: The production capacity table can be used as a tool for the initial modeling of CCH series single hydraulic cone crusher, the data in the table is for the average specific gravity of 2.7t/m<sup>3</sup>.



# CO NE CR USHER

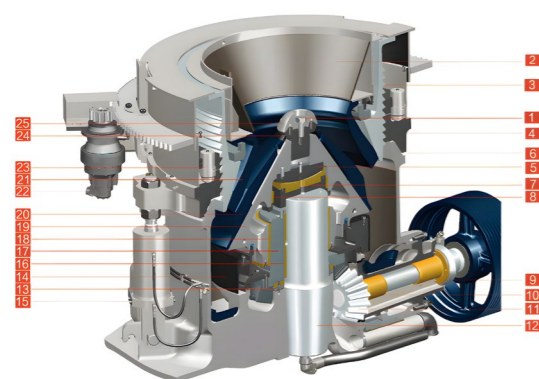
detailed  
Specifications

## CCM SERIES

The **CCM Series Multi-Cylinder Hydraulic Cone Crusher** is a world-class, high-performance solution designed for secondary, tertiary, and quaternary crushing. With its unparalleled efficiency and capacity, it excels in handling a wide range of materials, from limestone to basalt, making it ideal for diverse crushing applications.

### Features

- **Robust Structure and Stable Performance:** The optimised design ensures high reliability and low operating costs. The inter-particle crushing principle enhances product shape, while the combination of a specialised cavity design and optimised speed increases the proportion of fine products, reducing elongated and flaky particles.
- **Reliable Hydraulic Protection:** The hydraulic system for adjustment and overload protection boosts equipment reliability and simplifies maintenance, reducing downtime. Hydraulic cylinders automatically release tramp material that is too hard to be processed in order to prevent jamming, ensuring smooth, continuous operation.
- **Efficient Lubrication for Longevity:** The unique oil lubrication system significantly extends equipment lifespan. A high-performance, non-contact labyrinth seal prevents dust ingress and contamination, eliminating issues with oil-water mixing found in traditional spring cone crushers.
- **High Crushing Efficiency and Superior Product Shape:** With high speed and large stroke, the CCM series delivers exceptional crushing capacity and efficiency.



- |                          |                              |
|--------------------------|------------------------------|
| 1. Locking Nut           | 13. Eccentric Thrust Bearing |
| 2. Feed Hopper           | 14. Counterweight Guard      |
| 3. Bowl                  | 15. Tramp Release Assembly   |
| 4. Adjustment Ring       | 16. Eccentric Bushing        |
| 5. Socket                | 17. Eccentric                |
| 6. Main Frame            | 18. Lower Bushing            |
| 7. Globe Bearing         | 19. Head                     |
| 8. Upper Bushing         | 20. Mantle                   |
| 9. Counter shaft         | 21. Concave                  |
| 10. Countershaft Bushing | 22. Motor Setting Adjustment |
| 11. Gear and Pinion      | 23. Clamping Cylinder        |
| 12. Main Shaft           | 24. Torch Ring               |
|                          | 25. Spreader Plate           |

### Working Principle

The CCM series electric motor drives the eccentric via V-belts, countershaft, and gears, causing the mantle to swing with the force generated by the eccentric action. As the mantle moves toward and away from the concave, the material in-between is crushed through compression and impact, then falls to the bottom. The crusher is equipped with hydraulic locking and overload protection systems. If uncrushable material enters the cavity, the hydraulic system automatically releases the pressure to protect the equipment and restores the previous settings after the material passes through, effectively preventing jamming.



# CONE CRUSHER

detailed Specifications

## CCM SERIES

### CCM Series Technical Parameters

Model	Motor Power (kW)	Weight (t)	Standard			Short-head			
			Min Setting (mm)	Closed Side Feed (mm)	Open Side Feed (mm)	Min Setting (mm)	Closed Side Feed (mm)	Open Side Feed (mm)	
CCM300	F	250	15.8	13	107	148	6	25	72
	M			16	150	190	8	53	100
	C			20	211	240	10	77	123
	EC			25	233	267			
CCM400	F	315	23	14	111	164	6	40	104
	M			20	198	245	8	52	107
	C			25	252	292	10	92	143
	EC			30	299	333			
CCM500	F	400	33	16	133	182	8	40	105
	M			20	204	246	10	57	116
	C			25	286	322	13	95	152
	EC			30	335	372			
CCM800	F	630	64	16	219	264	5	33	98
	M			25	267	308	10	92	150
	C			32	297	340	13	133	185
	EC			32	353	375			

Cavity Description: EC = Extra Coarse, C = Coarse, M = Medium, F = Fine

### Capacity Under Given Closed Side Settings

Model	t/h	10mm	13mm	16mm	19mm	22mm	25mm	32mm	38mm	45mm	51mm
CCM300	t/h	117-142	152-187	182-222	202-242	222-262	232-282	252-322	302-382	352-442	
CCM400	t/h	142-177	187-232	227-280	257-322	277-347	297-372	327-432	362-492	412-562	466-631
CCM500	t/h	176-221	231-291	281-351	321-401	346-431	366-456	406-536	446-606	511-701	581-791
CCM800	t/h	262-337	327-426	386-500	435-547	472-600	497-732	547-800	600-950	695-1050	788-1200

Note: The capacity table serves as a preliminary reference for selecting a model from the CCM series multi-cylinder hydraulic cone crushers. The data is based on a material density of 2.7 t/m<sup>3</sup> in an open circuit. In a closed circuit with a high percentage of fines in the feed, capacity may increase by 15%-30%. The values provided are nominal peak capacities. For accurate model selection tailored to your specific needs, please consult Coviry Pacific engineers.

Max Capacity

**2,600<sup>t/h</sup>**

Max Feed Size

**360<sup>mm</sup>**

### CCM1100

The **CCM1100 heavy-duty hydraulic cone crusher** combines a compact, robust design with over twice the crushing capacity of similar models. Its features, including a rotatable concave, automatic tramp release, and large feed opening, ensure stable performance and uniform product gradation. The rotatable concave promotes even wear, while the automatic tramp release enables uncrushable materials to pass through seamlessly, maintaining consistent operation and product quality.

### CCM1100 Technical Parameters

Model		Motor Power (kW)	Min Setting (mm)	Closed Side Feed (mm)	Open Side Feed (mm)
CCM1100 Standard	C	400KWx2	38	360	414
	M		32	343	390
	F		25	242	300
	EF		22	241	295
CCM1100 Shorthead	C	400KWx2	10	140	203
	M		10	104	169
	F		8	64	128

### CCM1100 Capacity

Aperture Size	CSS 50mm	CSS 38mm	CSS 25mm	CSS 19mm	CSS 13mm
90mm	97-100	100			
75mm	92-98	99-100	100		
50mm	67-81	86-94	99-100		
38mm	54-64	68-78	92-98	100	100
25mm	38-45	48-54	65-80	94-98	99-100
19mm	30-35	37-42	51-62	82-90	96-99
16mm	25-29	31-35	43-53	73-82	92-97
13mm	22-25	26-29	35-44	63-73	83-93
10mm	18-21	22-24	28-34	52-61	70-91
6mm	13-14	15-16	19-23	36-44	50-57
Capacity (tph)	1833-2420	1377-1750	918-1210	725-900	618-732

# CONE CRUSHER

detailed Specifications

## CCS SERIES

The **CCS Series Spring Cone Crusher** is designed on the principles of lamination crushing and a multi-break approach to minimise wear. It combines high swing frequency, optimised cavity design, and efficient stroke to deliver superior performance. Known for its reliability, cost-effectiveness, and robust design, it has gained the trust of users globally as an ideal replacement for traditional cone crushers.

### Working Principle

When the crusher is in operation, the motor drives the eccentric via a pulley, countershaft, and gears, causing the main shaft to move in a rapid swinging motion. This motion pushes the mantle and concave closer and apart periodically, crushing the material through continuous squeezing and impact. As the mantle moves away, the crushed material falls through the gap and is discharged from the bottom, allowing only material of the desired size to exit.



Longer Life Span  
**30%**

### Features

- **High Production Efficiency:** The combination of high speed and large stroke significantly increases throughput, enhancing the reduction ratio and crushing efficiency.
- **Low Operating Costs:** Optimised structural design ensures minimal wear and tear, reducing parts consumption and operating expenses.
- **Reliable Lubrication System:** The efficient lubrication system extends equipment life and enhances reliability.
- **Flexible Cavity Options:** Easily switch between standard extra-coarse to short-head extra-fine cavities by replacing the mantle and concave, catering to various product size requirements.
- **Ease of Maintenance:** All parts can be removed from the top or side, eliminating the need to dismantle the main frame. This design simplifies liner replacement, making routine maintenance quick and efficient.

### CCS Technical Parameters

Model	Feeding Opening Width (mm)	Max Feed Size (mm)	Setting Adjustment Range (mm)	Capacity (t/h)	Motor Power (kw)	Overall Dimensions (mm)
CCS110T	220	180	25-45	140-210	110	2260x1760x2390
CCS110B	200	160	20-42	120-200	110	2260x1760x2390
CCS110Z	145	120	17-35	95-175	110	2260x1760x2390
CCS110X	115	90	14-30	80-160	110	2260x1760x2390
CCS110DT	90	65	10-20	70-125	110	2260x1760x2390
CCS110D	80	45	8-16	60-105	110	2260x1760x2390
CCS110DZ	50	25	6-13	50-90	110	2260x1760x2390
CCS110DX	50	15	5-10	45-75	110	2260x1760x2390
CCS185T	240	200	26-45	220-360	185	2730x2190x2550
CCS185B	220	180	20-45	185-350	185	2730x2190x2550
CCS185Z	180	145	16-35	150-280	185	2730x2190x2550
CCS185X	130	100	14-35	130-270	185	2730x2190x2550
CCS185DT	120	95	13-25	135-210	185	2730x2190x2550
CCS185D	105	80	10-20	110-190	185	2730x2190x2550
CCS185DZ	60	40	8-15	85-130	185	2730x2190x2550
CCS185DX	40	25	6-13	65-105	185	2730x2190x2550
CCS220T	270	230	30-50	300-450	220	2858x2390x2930
CCS220B	240	210	25-45	260-420	220	2858x2390x2930
CCS220Z	200	160	20-35	200-330	220	2858x2390x2930
CCS220X	145	120	15-28	170-270	220	2858x2390x2930
CCS220DT	130	110	15-28	175-280	220	2858x2390x2930
CCS220D	110	90	10-25	130-260	220	2858x2390x2930
CCS220DZ	70	45	9-20	120-210	220	2858x2390x2930
CCS220DX	50	30	6-15	90-165	220	2858x2390x2930
CCS315T	320	270	42-75	460-680	315	3250x2850x3150
CCS315B	275	230	35-65	400-610	315	3250x2850x3150
CCS315Z	200	170	25-50	310-500	315	3250x2850x3150
CCS315X	160	125	20-40	260-435	315	3250x2850x3150
CCS315DT	145	120	18-35	240-420	315	3250x2850x3150
CCS315D	130	95	15-32	220-365	315	3250x2850x3150
CCS315DZ	105	65	12-32	180-365	315	3250x2850x3150
CCS315DX	85	45	7-25	130-310	315	3250x2850x3150
CCS355T	385	320	50-75	630-880	355	3800x2922x3447
CCS355B	300	250	40-65	570-790	355	3800x2922x3447
CCS355Z	230	195	30-55	450-695	355	3800x2922x3447
CCS355X	190	155	25-45	390-610	355	3800x2922x3447
CCS355DT	160	130	22-32	350-450	355	3800x2922x3447
CCS355D	140	100	18-28	305-410	355	3800x2922x3447
CCS355DZ	110	70	13-25	250-380	355	3800x2922x3447
CCS355DX	90	50	9-20	190-330	355	3800x2922x3447
CCS450T	430	360	50-80	960-1440	450	4900x3650x4140
CCS450B	360	310	45-65	896-1200	450	4900x3650x4140
CCS450Z	260	220	32-45	720-960	450	4900x3650x4140
CCS450X	220	180	28-40	640-860	450	4900x3650x4140
CCS450DT	200	160	25-32	608-704	450	4900x3650x4140
CCS450D	170	130	22-28	528-624	450	4900x3650x4140
CCS450DZ	130	90	15-22	400-544	450	4900x3650x4140
CCS450DX	100	60	10-18	312-464	450	4900x3650x4140

# CONE CRUSHER

detailed Specifications

## CCG SERIES

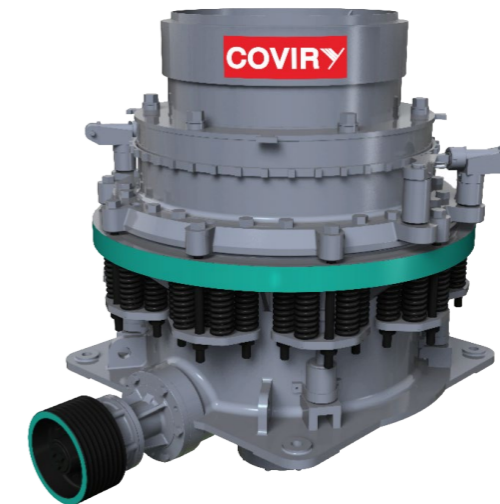
The **CCG Series Spring Cone Crusher** is engineered with optimised speed and eccentricity, allowing it to produce finer output with a higher proportion of cubical particles, thanks to its inter-particle crushing principle. The spring-based hydraulic clamping, setting adjustment, and tramp release system simplify operation, making it an ideal choice for conventional crushing plants due to its robust design and ease of maintenance.

### Working Principle

The electric motor drives the countershaft via V-belts or couplings, which in turn drives the eccentric using gear and pinion transmission. As the eccentric rotates, the mantle and head assembly move along a conical path. The mantle periodically moves toward the concave, compressing and crushing the material in the cavity. When the mantle retracts, the crushed material is released and discharged. The adjustment ring is secured to the main frame by springs, which absorb excess loads if uncrushable materials enter the cavity. This design prevents damage by increasing the gap between the mantle and concave, allowing uncrushable materials to pass through.

### Features

- **Hydraulic System for Easy Adjustment and Tramp Release:** Simplifies daily operation and enhances safety.
- **Optimised Cavity Design:** Increases throughput by 15-20%, with multiple cavity options for various applications.
- **Effective Grease Sealing:** Ensures better sealing and longer service life.
- **Advanced Oil Lubrication Station:** Provides reliable lubrication and stability under diverse working conditions.
- **Traditional Structure for Easy Maintenance:** Simple design facilitates operation and reduces maintenance efforts.



Increased Throughput  
**15-20%**

### CCG Technical Parameters

Model	Max Feed Size (mm)	Setting Adjustment Range (mm)	Capacity (t/h)	Motor Power (kW)	Overall Dimensions (mm)
CCG240T	260	42-70	380-560	240	3150x2790x3110
CCG240B	220	32-60	300-470	240	3150x2790x3110
CCG240Z	160	25-38	250-330	240	3150x2790x3110
CCG240X	120	20-38	200-330	240	3150x2790x3110
CCG240DT	110	16-32	175-328	240	3150x2790x3110
CCG240D	90	13-25	150-280	240	3150x2790x3110
CCG240DZ	60	10-25	130-270	240	3150x2790x3110
CCG240DX	40	7-20	105-215	240	3570x3460x3550
CCG280T	280	50-70	480-660	280	3570x3460x3550
CCG280B	230	38-60	400-570	280	3570x3460x3550
CCG280Z	170	28-42	330-400	280	3570x3460x3550
CCG280X	125	22-38	240-360	280	3570x3460x3550
CCG280D	100	15-25	230-330	280	3570x3460x3550
CCG280DZ	70	12-25	200-330	280	3570x3460x3550
CCG280DX	50	9-20	160-280	280	3570x3460x3550

Note: The capacities listed in the table are provided as a preliminary reference for selecting a model from the CCG series cone crushers. The data is based on an average bulk density of 2.7 t/m<sup>3</sup> in an open circuit configuration. The capacities represent nominal peak values; actual output may vary depending on factors such as feed gradation, moisture content, clay composition, bulk density, and material crushability.

# IMPACT CRUSHER

## detailed Specifications

### CV SERIES

The **CV Series Vertical Shaft Impact Crusher** features a specialised rotor design, wear-resistant materials in the crushing cavity, optimised speed, and an advanced hydraulic system. It is extensively used in highways, railways, civil construction, hydropower projects, and concrete mixing, making it the preferred equipment for producing high-quality manufactured sand and aggregate shaping.

## Working Principle

Material is continuously fed to the spreader plate at the top of the crusher. Part of the material is directed into the impeller through the feed tube, while the rest overflows through the cascade window. The material entering the impeller is rapidly accelerated and ejected at high speed through the discharge ports, where it collides with cascade material falling from the window (rock-on-rock crushing). The combined materials then hit the liners in the crushing chamber (rock-on-steel crushing) for further reduction. Some material rebounds after colliding with the liners and re-enters the crushing process, undergoing multiple impacts before being discharged from the bottom of the crusher.

## Applications

- **Sand Making and Aggregate Shaping:** Ideal for processing pebbles, limestone, granite, basalt, diabase, and other rocks to produce aggregate chips and sand.
- **Construction Aggregates:** Suitable for road pavement, bedding materials, asphalt, concrete, and cement aggregates.
- **Manufactured Sand:** Used for shaping aggregates in water conservation projects, highways, high-speed railways, bridges, airports, and high-rise buildings.
- **Pre-Grinding Crushing:** Performs preliminary fine crushing before grinding in mining, and material reduction in industries including construction materials, metallurgy, chemicals, mining, and refractory materials.
- **High-Purity Material Production:** Effective for producing glass, quartz sand, and other high-purity materials.

## CV Series Vertical Shaft Impact Crusher

Model	CV260	CV320	CV400	CV500	CV630
Max. Feed Size (mm)	40	40	40	40	40
Rotor Speed (rpm)	1450-1650	1450-1650	1450-1650	1450-1650	1260-1430
Motor Power (kW)	264	320	400	500	630
Throughput (t/h)	150-220 (0-5mm, 20-50%)	200-330 (0-5mm, 20-50%)	300-400 (0-5mm, 20-50%)	420-500 (0-5mm, 20-50%)	500-630 (0-5mm, 20-50%)
Overall Dimensions (LWH) (mm)	6000x2992x3398	6000x2992x3398	6000x2992x3398	6000x2992x3398	6000x2992x3398

The particle size distribution of finished products is related to the hardness, size and composition of raw materials.

Crushing Efficiency Improvement

**20%**

Longer Life Span

**30%**



# IMPACT CRUSHER

## detailed Specifications

### CF SERIES

The **CF Series Impact Crusher** is a newly developed crusher designed to meet market demands. With a large feed opening, it can crush a wide range of coarse, medium, and fine materials such as granite, limestone or concrete with compressive strengths up to 350 MPa. It is ideal for applications in highway construction and power projects. Key features include a high reduction ratio, efficient crushing, production of high-quality cubical-shaped output with no cracks, and ease of maintenance.

## Working Principle

The CF series impact crusher operates using impact force. As the rotor spins at high speed, powered by an electric motor, feed materials enter the crushing chamber. The materials first collide with the blow bars on the rotor, then are thrown against the breaker plates. This process repeats as the material bounces back to the blow bars for further impact, passing through multiple crushing zones in the first, second, and third breaker plates. The material is reduced to the desired size through repeated collisions before exiting through the gap between the final breaker plate and the blow bars. Adjusting this gap allows control over the product size and shape.

## Features

- **Large Feed Opening & High Crushing Cavity:** Handles hard and large-sized materials efficiently.
- **Durable Blow Bars:** High-chromium blow bars provide excellent impact and wear resistance.
- **Finished Product Shape:** When processing rock with high compressive strengths, the CF Series produces a finished product with a consistent grain shape and a low needle flake rate. Note: Needle flake output also depends on input rock quality and size
- **Robust Construction:** Compact design with a rotor featuring high inertia.
- **Adjustable Settings:** Gap between breaker plates and blow bars can be adjusted to control product size and shape.
- **Versatile Applications:** Suitable for both crushing and shaping processes across various industries.

## CF Series Technical Parameters

Model	CF1010	CF1214	CF1313	CF1315	CF1620	CF1624	CF2025	CF1315Q
<b>Rotor Dimensions (mm)</b>	Ø1000 x 1050	Ø1250 x 1400	Ø1300 x 1320	Ø1300 x 1500	Ø1640 x 2000	Ø1640 x 2400	Ø2050 x 2500	Ø1300 x 1500
<b>Feed Opening Dimensions (mm)</b>	1080x530	1440x520	1330x745	1522x827	2030x950	2430x970	2536x1054	1522x950
<b>Max. Feed Size (mm) (&lt;150MPa)</b>	350	350	450	550	600	600	800	600
<b>Max. Feed Size (mm) (&lt;250MPa)</b>	200	200	250	350	400	400	500	400
<b>Capacity (t/h)</b>	60-150	90-180	150-280	180-300	350-680	380-820	800-1800	250-300
<b>Motor Power (kW)</b>	110	132	220	250	280x2	355x2	630x2	250

The **CF1315Q Impact Crusher** is a high-performance machine and features a unique structural design with an extended crushing chamber and a three-stage crushing zone, enhancing both crushing efficiency and production capacity.

Increase in Crushing Ratio

# 15%

## Superior Finished Product Shape



# ROD MILL

detailed  
**Specifications**

## GMB SERIES

The **GMB Series Rod Mill Sand Making Machine**, also known as the rod grinding machine, is a high-quality sand-making solution commonly used for processing materials like feldspar, quartz, river pebbles, and granite. The machine is widely applied in sand and stone production, with its rotating cylinder grinding raw materials through impact. As the cylinder rotates, the grinding rods rise to a certain height under friction and centrifugal force, then fall to crush the material, achieving efficient sand production.

### Working Principle

The rod mill sand making machine is powered by a motor connected via a reducer and a large gear or directly by a low-speed synchronous motor through the surrounding gear. Inside the rotating cylinder, steel rods act as the grinding medium. Due to centrifugal and frictional forces, the rods are lifted to a certain height before falling back down, crushing the material. Continuous feed enters through the inlet, while ground material is discharged through overflow as new feed is introduced.

### Features

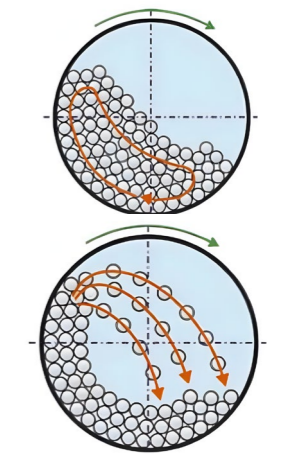
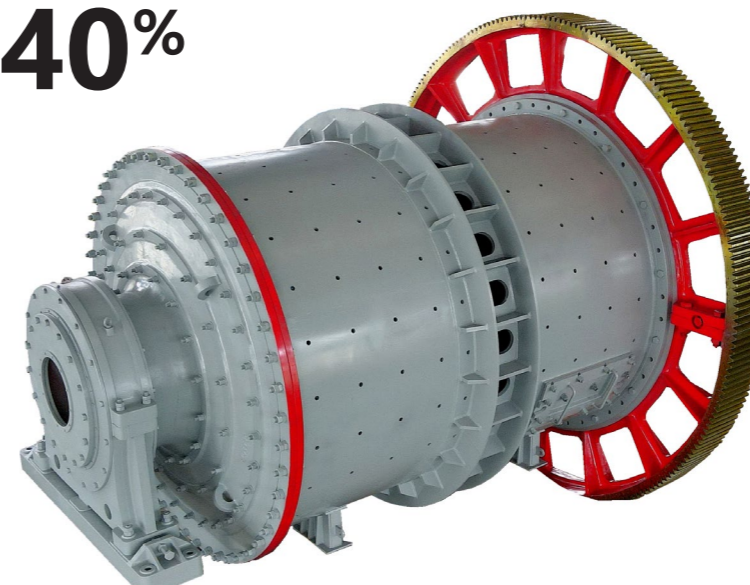
- **Wet Sand Process for Environmental Compliance:** The wet grinding process reduces dust emissions and meets environmental standards.
- **Efficient Material Processing:** The equipment's compact and efficient design results from the dual-end feed and central discharge. These design features also help to prevent over-crushing of the product.
- **High Capacity and Uniform Output:** Ensures consistent particle size and good grading continuity with a large processing capacity.
- **Powerful and Efficient Drive System:** Equipped with a synchronous motor ( $\geq 400\text{kW}$ ) and air clutch combination, optimising power usage.
- **Reduced Power Consumption:** Designed to minimise impact on the power grid while maximising sand production, ensuring efficient energy use.

### GMB Technical Parameters

Model	Cylinder Diameter (mm)	Cylinder Length (mm)	Rotating Speed (rpm)	Feed Size (mm)	Discharge Size (mm)	Capacity (t/h)	Rotated Power (kW)
GMB2436	2400	3600	19	<15	$\leq 5$	40-80	280
GMB2736	2700	3600	17.5	<15	$\leq 5$	100-220	400
GMB2740	2700	4000	17.5	<15	$\leq 5$	120-250	400
GMB3245	3200	4500	16	<15	$\leq 5$	300-450	630
GMB3645	3600	4500	15	<15	$\leq 5$	430-580	800

Power Saving

**40%**



Increased Production Capacity

**10-20%**

# VIBRATING FEEDER

## detailed Specifications

### CFW SERIES

The **CFW Series Vibrating Feeder** is designed for the continuous and even transport of materials from a silo to receiving equipment, making it ideal for feeding crushing plants. It also performs a pre-scalping function, which is especially useful in industries such as metallurgy, construction materials, chemicals, coal mining, beneficiation and abrasives.

## Working Principle

The CFW vibrating feeder is mounted on spring supports. As the main shaft, powered by an electric motor, rotates with an eccentric mass, the feeder box moves in a circular path, causing the materials inside to be tossed and propelled forward. This results in continuous material transport. The feeder's flexible structure for both the box and motor mounts ensures that the distance between the motor pulley and vibrator pulley self-adjusts during operation, achieving a self-centering effect.

The standard model features a steel plate structure, but a grizzly design is available upon request. Please specify the grid spacing if a grate configuration is needed.

## Features

- **Grizzly Option for Pre-Scalping:** Enhances throughput and extends versatility for various applications.
- **Simple and Durable Design:** Ensures easy maintenance and reliability.
- **Adjustable Speed:** Equipped with a frequency converter to control feed rate and variable vibrating frequency.
- **Customizable Amplitude:** Adjustable eccentric weight on the pulley and flywheel to suit different operational conditions.
- **Efficient Lubrication System:** Lithium-based grease reduces bearing temperature and noise, with centrally located grease nipples for optimal lubrication.

## CFW Series Technical Parameters

Model	Specification (mm)	Max Feed Size (mm)	Capacity (t/h)	Vibration Frequency (Vib/min)	Amplitude (mm)	Motor Power (kW)	Overall Dimensions (mm)
CFW1220	1200x2000	800	360-500	855	7-9	11	2106x1976x870
CFW1520	1500x2000	1000	480-780	855	7-9	15	2106x2276x870
CFW1830	1800x3000	1200	600-980	855	7-9	18.5	3106x2576x870
CFW0940	900x4000	600	110-220	835	7-9	18.5	4148x1620x1160
CFW1150	1060x5000	750	230-340	835	7-9	22	5172x1780x1270
CFW1360	1300x6000	950	400-540	835	7-9	30	6172x2020x1270
CFW1570	1500x7000	1200	480-780	835	7-9	37	7183x2220x1450
CFW1870	1800x7000	1200	530-1300	835	7-9	55	7183x2220x1450
CFW2070	2000x7000	1200	600-1500	855	7-9	75	7183x2720x1450

## Smooth, Continuous Feeding with Adjustable Speed





# VIBRATING FEEDER

## detailed Specifications

### CFZ SERIES

The **CFZ Series Linear Vibrating Feeder** features a dual eccentric shaft vibrator for high capacity and efficient material transport. It ensures smooth, continuous feeding from the silo to receiving equipment, preventing blockages and extending the equipment's lifespan. The feeder is available in two configurations: a solid plate for uniform material transport to crushers and a grizzly option for pre-scaling fines, making it a cost-effective choice in plant flowsheets. This feeder is an essential component in crushing and screening plants, commonly used in industries such as metallurgy, construction materials, chemicals, coal mining, beneficiation and abrasives.

## Working Principle

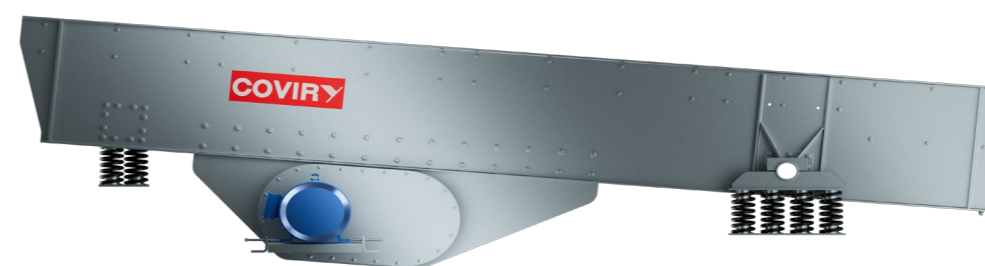
The CFZ linear feeder consists of a feed box, vibrator, spring mounts, and transmission system. The vibrator includes two eccentric shafts (a driving and a driven shaft) connected by gears. The electric motor drives the primary shaft via V-belts, which in turn engages the driven shaft. As both shafts rotate in opposite directions, the feed box vibrates, causing the material to move forward, ensuring continuous material flow.

## Features

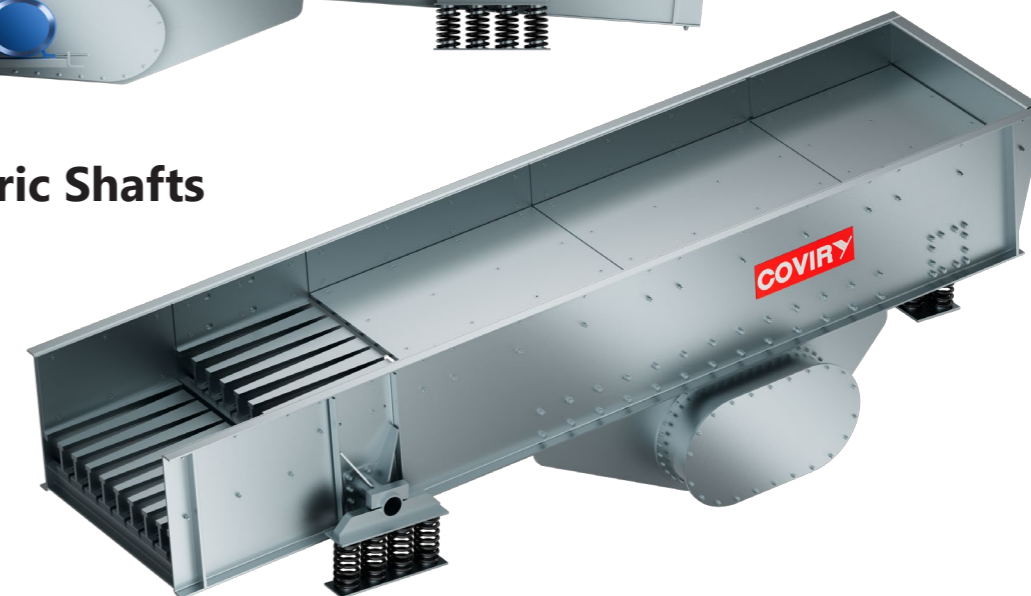
- **Linear Motion:** Provides stable vibration, easy installation, and high capacity.
- **Optimised Grizzly Design:** Prevents material clogging and allows for easy replacement.
- **Adjustable Grizzly Spacing:** Customisable to suit varying operational conditions.
- **Efficient and Durable:** Low noise, reduced power consumption, long service life, easy maintenance, and a compact, lightweight design.

## CFZ Series Technical Parameters

Model	Feeder Box Dimensions (mm)	Max. Feed Size (mm)	Capacity (t/h)	Vibration Frequency (Vib/min)	Amplitude (mm)	Installation Angle (°)	Motor Power (kW)	Overall Dimensions (mm)
CFZ0940	980x4000	≤500	130-240	550-970	8-12	0	18.5	4110x1548x1320
CFZ1150	1100x5000	≤650	250-350	550-970	8-12	0	22	5110x1701x1382
CFZ1380	1350x6000	≤750	420-560	550-980	8-12	0-5	30	6110x1901x1580
CFZ1660	1620x6000	≤1000	530-880	550-980	8-12	0-5	37	6170x2390x1765
CFZ1860	1820x6000	≤1200	550-1300	550-980	8-12	0-5	45	6170x2590x1765
CFZ2060	2020x6000	≤1500	850-1500	550-980	8-12	0-5	55	6170x2700x1765



## Dual Eccentric Shafts

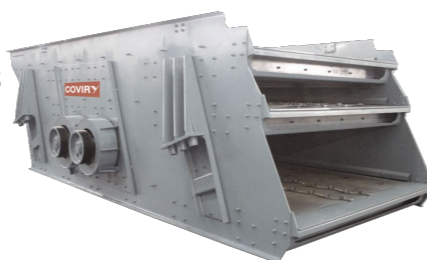


# VIBRATING SCREEN

## detailed Specifications

### CSY SERIES

The **CSY Series Vibrating Screen** is a high capacity and ultra durable vibrating screen for the efficient screening of ore. It consists of a main frame, screen mesh, vibrator, damping mechanism, and underframe. The side plates are constructed from high-quality steel, with the side plates, cross beams, and vibrator housing securely connected using high-strength bolts or huckbolts.



Max Capacity  
**2,000t/h**

### Features

- **Powerful Eccentric Force:** The internal eccentric weights in the vibrator generate strong eccentric force for efficient screening.
- **Durable, Bolt-Connected Design:** The screen box and cross beams are connected using huckbolts, eliminating the need for welding, which enhances durability and structural integrity.
- **Simple Structure for Easy Maintenance:** The straightforward design of the vibrating screen simplifies maintenance, ensuring long-term reliability.

### CSY Series Technical Parameters

Model	Mesh Dimensions (mm)	Max Feed Size (mm)	Aperture Size (mm)	Capacity (t/h)	Vibration Frequency (Vib/min)	Amplitude (mm)	Installation Angle (°)	Motor Power (kW)	Overall Dimensions (mm)
CSY1550-2	1500x5000	≤200	5-30/40-100	50-190/250-620	845	7-12	18	11	5626x2350x1100
CSY1550-3	1500x5000	≤200	5-30/40-100	50-190/250-620	845	7-12	18	15	5796x2350x1630
CSY1860-2	1800x6000	≤200	5-30/40-100	75-290/380-950	835	7-12	20	18.5	6713x2816x1300
CSY1860-3	1800x6000	≤200	5-30/40-100	75-290/380-950	835	7-12	20	22	6895x2816x1800
CSY2060-2	2000x6000	≤200	5-30/40-100	85-320/420-1050	835	7-12	20	18.5	6713x2816x1300
CSY2060-3	2000x6000	≤200	5-30/40-100	85-320/420-1050	835	7-12	20	22	6895x2816x1800
CSY2270-2	2200x7000	≤200	5-30/40-100	95-350/485-1160	835	7-12	20	22	7726x3016x1350
CSY2270-3	2200x7000	≤200	5-30/40-100	95-350/485-1160	835	7-12	20	30	7921x3016x1884
CSY2570-2	2500x7000	≤300	5-30/40-100	100-385/510-1270	835	7-12	20	30	7792x3350x1480
CSY2570-3	2500x7000	≤300	5-30/40-100	100-385/510-1270	835	7-12	20	37	8212x3350x2230
CSY3075-2	3000x7500	≤300	5-30/40-100	130-480/640-1600	900	7-10	20	30x2	8888x3769x1900
CSY3075-3	3000x7500	≤300	5-30/40-100	130-480/640-1600	900	7-10	20	37x2	9107x3769x2500
CSY3675-2	3600x7500	≤300	5-30/40-100	160-800/840-2000	900	7-10	20	37x2	8724x4764x1830
CSY3675-3	3600x7500	≤300	5-30/40-100	160-800/800-2000	900	7-10	20	45x2	8877x4764x2500

### CSZ SERIES

The **CSZ Series Linear Vibrating Screen** has been developed from years of experience in screen design and industry applications. It delivers a highly efficient dewatering and screening solution that is ideal for high-load classification, dewatering, and de-sliming processes in industries such as metallurgy, coal, and sand aggregates.

More Efficient

**15%**

Power Saving

**20%**



### Features

- **Powerful Excitation Force:** Utilises block eccentricity instead of traditional vibration motors, resulting in a stronger excitation force.
- **Robust Construction:** The screen beams and box are connected with high-strength bolts, eliminating the need for welding.
- **Simplified Maintenance:** Designed with a straightforward structure for easy and quick maintenance.
- **Smooth Operation:** Uses a coupling and flexible connection for stable performance.
- **High Efficiency & Durability:** Offers excellent screening efficiency, high throughput, and extended service life.

### CSZ Series Technical Parameters

Model	Mesh Dimensions (mm)	Vibration Frequency (Vib/min)	Amplitude (mm)	Capacity (t/h)	Motor Power (kW)
CSZ1845	1800x4500	970	6-8	160	11x2
CSZ2045	2000x4500	970	6-8	180	11x2
CSZ2452	2400x5200	970	6-8	250	15x2
CSZ3052	3000x5200	970	6-8	310	22x2

# SAND MAKING

## specifications for our Wheel Bucket Sand Washer

### CLD SERIES

The **CLD Sand Washer** is a high-efficiency sand washing machine designed specifically for the sand and aggregate industry. It offers high cleanliness, efficient washing, and a robust structure. The design ensures minimal sand loss during the washing process and boasts a low fault rate by keeping the transmission mechanism separate from the water and sand.

### Working Principle

During operation, the electric motor drives the wheel to rotate slowly through V-belts, a reducer, and gears. Sand is fed into the washing tank, where the rotating wheel stirs the water to remove impurities on the surface of sand particles. This agitation also breaks the water vapor layer on the sand, aiding in dehydration. Fresh water is introduced to create a strong flow, which carries away lighter impurities through the overflow outlet. Clean sand is lifted by the wheel's blades and discharged into the product tank, completing the washing process.



### CLD Series Technical Parameters

Model	Rotor Diameter (mm)	Rotating Speed (rpm)	Capacity (t/h)	Motor Power (kW)
CLD2316	2350	1.60	40-60	7.5
CLD2816	2800	1.42	50-100	7.5
CLD3018	3000	1.33	70-120	11
CLD3027	3000	1.33	100-180	15

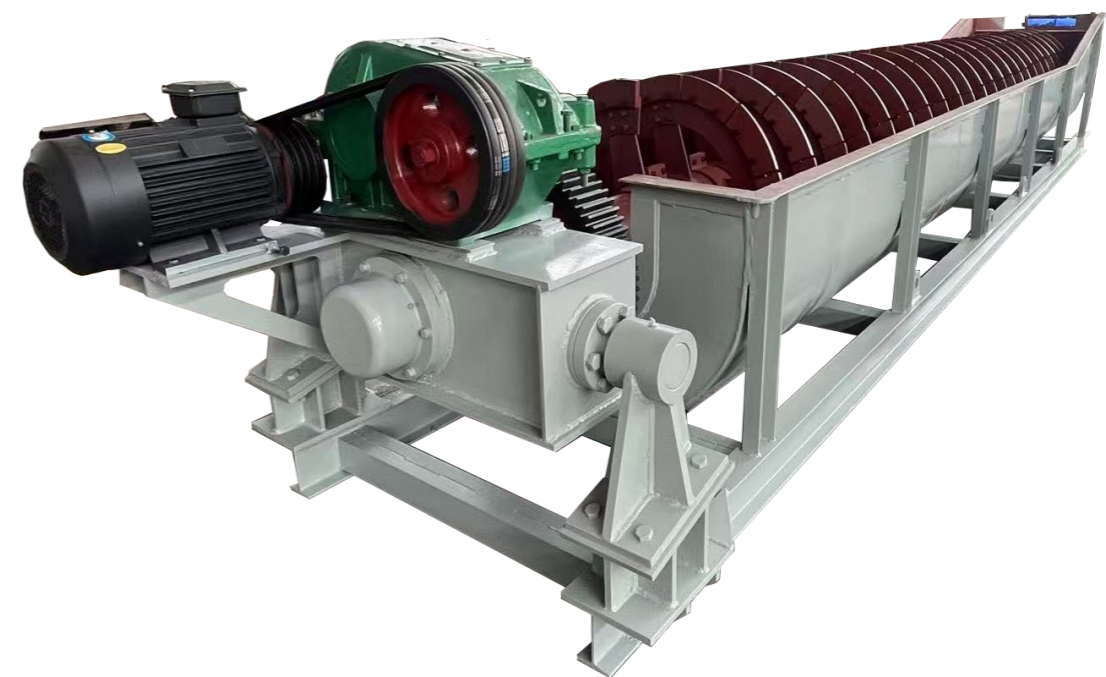
## specifications for our Spiral Classifier

### CLX SERIES

The **CLX Series Spiral Classifier** features a rotating spiral mechanism within a water tank. As the spiral stirs the sand, the impurities are carried away with the overflow, while the cleaned sand is gradually classified and discharged from the top which completes the sand washing and classification process. The spiral classifier is widely used for washing, grading, and impurity removal across industries such as metallurgy, construction, and hydropower. It is particularly effective for separating fine and coarse particles in sand used for construction and roadworks.

### CLX Series Technical Parameters

Model	Spiral Diameter (mm)	Sink Length (mm)	Sink Width (mm)	Circulating Load (t/day)	Overall Dimensions (mm)	Motor Power (kW)
CLX09	900	6500	1012	470-560	8000×1470×2340	7.5
CLX12	1200	8600	1380	1170-1630	9800×1570×3130	7.5
CLX15	1500	8650	1750	1140-2740	10899×2086×3685	15
CLX20	2000	9650	2150	3890-5940	11099×2370×4486	15



# SPECIFICATIONS

for our  
**Belt Conveyor**

**B SERIES**

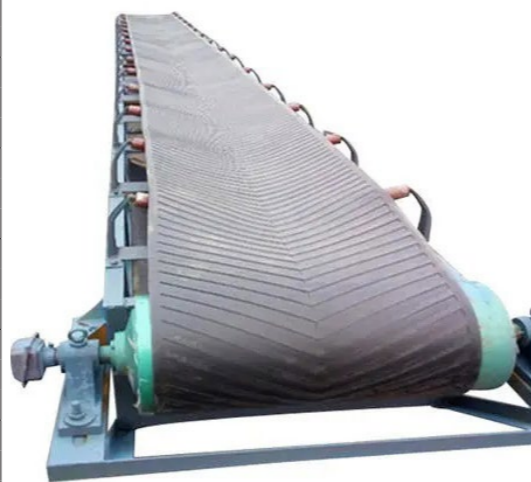
The **B Series Belt Conveyor** features a modular design for both the main frame and support legs, streamlining the manufacturing process and reducing lead time. Each module is connected using bolts, allowing for easy assembly. The components are securely packed to prevent damage during transport and can be quickly assembled on-site, reducing setup time.

## Working Principle

The belt conveyor consists of a driving system and a carrying system. The conveyor belt, which transports materials, is powered by a drive drum and a tensioning pulley, creating a continuous loop. Upper and lower carrier rollers support the belt, while the tensioning device ensures proper belt tension for smooth operation. As the conveyor operates, the transmission system drives the drum, causing the belt to move forward. Materials are transported along the belt by the friction between the belt and the drive drum.

## B Series Technical Parameters

Belt Width (mm)	Length (m)	Power (kW)	Speed (m/s)	Capacity (t/h)
500	≤ 12	3	1.3-1.6	78-191
	12-20	4.0-5.5		
	20-30	5.5-7.5		
650	≤ 12	4	1.3-1.6	131-323
	12-20	5.5-7.5		
	20-30	7.5-11		
800	≤ 10	4	1.3-1.6	278-546
	10-15	5.5-7.5		
	15-30	7.5-15		
1000	≤ 10	5.5	1.3-2.0	453-853
	10-20	7.5-11		
	20-40	11-22		
1200	≤ 10	7.5	1.3-2.0	655-1284
	10-20	11-15		
	20-40	15-30		
1400	≤ 10	11	1.3-2.0	750-1520
	10-20	15-22		
	20-40	22-45		



for our  
**Dewatering Recovery**

**CSR SERIES**

The primary function of the **CSR Dewatering Recovery Machine** is to clean, dehydrate, and classify sand and stone. It efficiently recovers a significant amount of fine sand that is typically lost during traditional sand washing processes, enhancing economic efficiency. This not only reduces the cost of tailings management but also minimises the environmental impact and damage caused by fine sand loss.

## CSR Series Technical Parameters

Model	Mesh Dimensions (mm)	Vibration Frequency (Vib/min)	Sand Processing Capacity (t/h)	Water Processing Capacity (m <sup>3</sup> /h)	Motor Power (kW)
<b>CSR1845</b>	1800x4500	970	160	170-200	11×2 & 15×2
<b>CSR2045</b>	2000x4500	970	180	170-200	11×2 & 15×2
<b>CSR2452</b>	2400x5200	970	250	200-300	15×2 & 22×2
<b>CSR3052</b>	3000x5200	970	310	300-400	22×2 & 37×2



# ANCILLARY SYSTEMS

to support our  
**Equipment**

## LUBRICATION

Lubrication plays a critical role in ensuring the smooth operation and longevity of machinery by performing the following functions:

- Reducing friction between moving parts, minimising wear and deformation
- Preventing component degradation and extending service life
- Absorbing and mitigating shocks to protect sensitive equipment
- Shielding surfaces from corrosion, preserving material integrity
- Isolating components from contaminants, maintaining operational efficiency
- Removing and flushing out impurities, supporting clean and reliable performance.



## HYDRAULIC

The hydraulic station transforms mechanical energy into hydraulic pressure, which is regulated by valves within the manifold. The controlled hydraulic oil is then delivered to the machine's cylinders through external pipelines, enabling precise adjustments to the crusher's power, speed, and direction. By managing the flow and pressure of the hydraulic oil, the station facilitates seamless integration with both primary and auxiliary hydraulic equipment, ensuring stable and consistent performance.



## ELECTRICAL

The electrical cabinet converts and regulates incoming electrical energy, distributing it to various systems based on operational requirements. Through transformers, circuit breakers, and control panels, the station manages voltage levels, protects against overload, and ensures the safe delivery of power to critical components. This system allows for seamless integration with primary machinery and auxiliary equipment, providing reliable energy management to maintain continuous operation across industrial applications.



## CONTROL SYSTEM

Control stations serve as the central interface for operating large industrial mining equipment, enabling precise command and seamless coordination of machinery. These stations perform essential functions that ensure efficiency, safety, and reliability:

- Facilitating accurate control of equipment movement, speed, and positioning
- Monitoring and regulating system performance to prevent operational faults
- Enhancing operator safety by enabling remote operation in hazardous environments
- Streamlining communication between primary and auxiliary systems for synchronised workflows
- Providing real-time data and diagnostics to support predictive maintenance and reduce downtime



# Service & Support

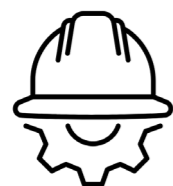
our support is  
**Next Level**

Coviry Pacific offers unique capability to support from project inception through to the operational phase, and beyond. We can help you meet your crushing, screening and materials processing needs. With a history of Engineering, Procurement, and Construction (EPC) and local Australian engineering and presence, Coviry Pacific can offer turnkey solutions for any requirements.

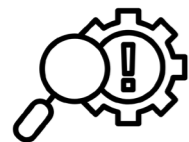
## Australian Based Support and Engineering

- Project management
- Local Presence on East and West Coast
- Compliance with all relevant AS/NZS Standards
- Product Wear & Metallurgical Analysis
- OEM Aftermarket Service and Parts
- Import and Local Logistics Support
- Equipment Inspections and Maintenance Recommendations

## Service Offerings



- Civil Loadings and Foundation Construction Guidance
- Installation and Commissioning Guidance



- Remote Problem Solving
- Equipment Operation and Maintenance Inspection



- Original Spare Parts Supply
- Machinery Repair

A comprehensive range of genuine spares are made available within Australia to allow for quick turnaround on machinery maintenance. Spares can be manufactured to any dimensions required allowing Coviry Pacific to handle all equipment.

With an extensive service partnership across the east and west coasts of Australia we can service your plant.



**Contact us:**

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CRUSHERS  
FEEDERS  
SCREENS  
SAND MAKING  
CONVEYORS

# COVIRY PACIFIC

