



**LIMING HEAVY INDUSTRY**

Mining Machinery



***SPRING CONE CRUSHER***

*Maximum Capacity : 1000 (t/h)*





## APPLICATION

Spring Cone crusher is suitable to crush various kinds of ores and rocks of medium or above medium hardness. The spring cone crusher acts as an overloading protection system that allows metal to pass through the crushing chamber so as not to damage the cone crusher. The type of crushing chamber depends upon size of feeding and fineness of crushed product. The standard type (PYB) is applied to medium crushing, the medium type (PYZ) is applied to medium or fine crushing and the short head type (PYD) is applied to fine crushing.

## SPRING CONE CRUSHER



# FEATURE

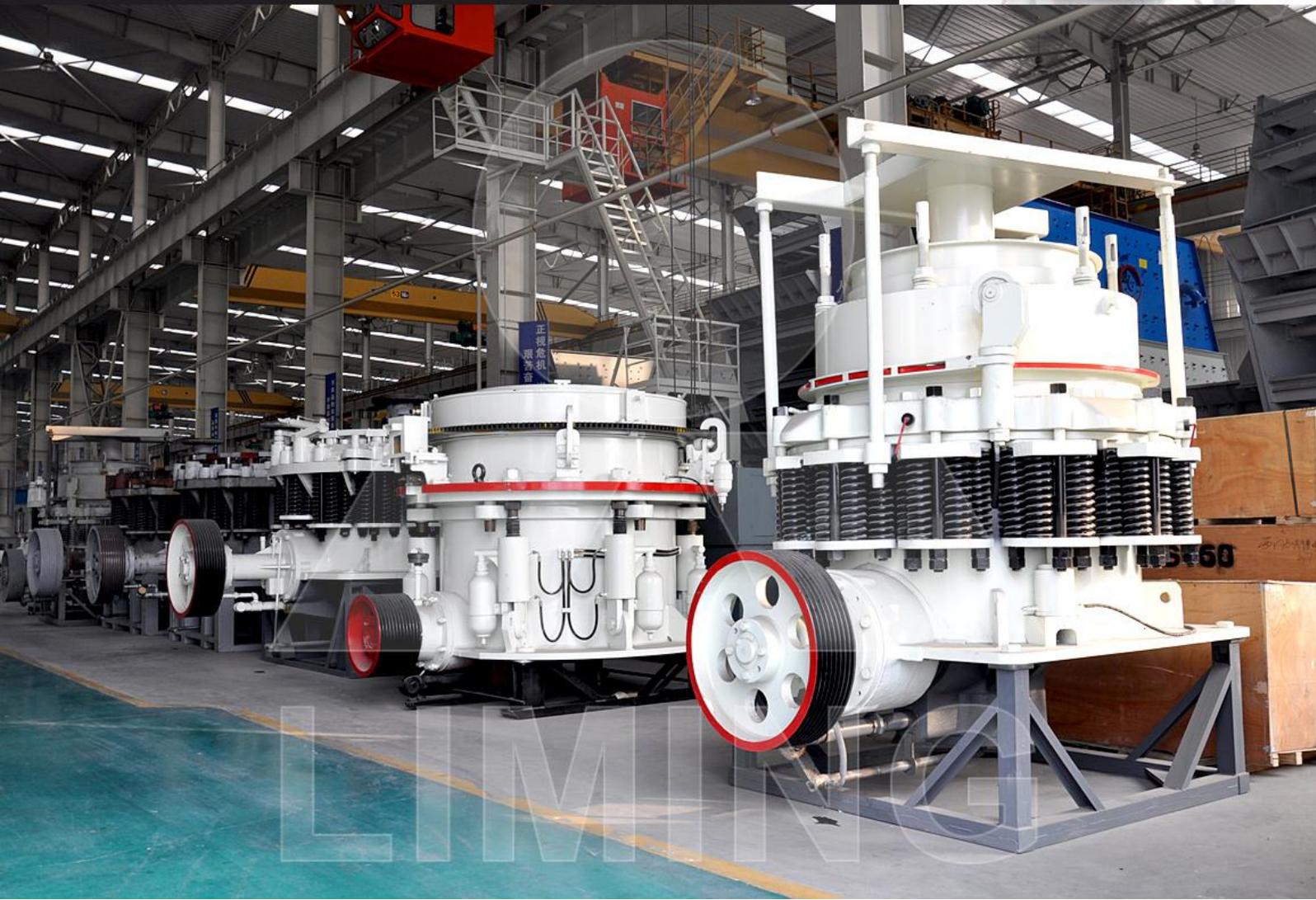
1. The spring cone crushers crushes by the change of the gap in the crushing cavity;
2. High reduction ratio, high performance, low power consumption, and uniform size products.

## Highlights:

- (1) High efficiency; high crushing capacity;
- (2) Low operation and maintenance cost, easy to adjust;
- (3) As spare parts selection and structural design is reasonable, the lifespan will be longer;
- (4) Reducing downtime;
- (5) Different types of crushing chambers to satisfy different customers' needs.



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# WORKING PRINCIPLE

Cone crusher crushes materials by the working surface between the movable cone and fixed cone. So it is more advanced and efficiency efficient than jaw crusher. The movable cone is supported by spherical bearing and fixed on an hanging erect shaft which is set in the eccentric sleeve, and the sleeve is set on the stopping and pushing bearing. The movable cone and erect shaft are driven by the eccentric shaft sleeve together. The eccentric shaft sleeve is driven by horizontal shaft and fimbriated gear, and the wheel of the conveyor belt is driven by motor through v-belts. The lower part of vertical shaft is installed in the eccentric sleeve. When the eccentric sleeve rotates, there is a conical surface lined out by the shaft. When the movable cone comes near the fixed cone, rocks are grinded into pieces, when the movable cone leaves, grinded materials is discharged from the discharge hole. The fixed cone can be ascended or descended by adjusting setting to adjust the width of discharge hole, consequently the output size is determined adjusted.

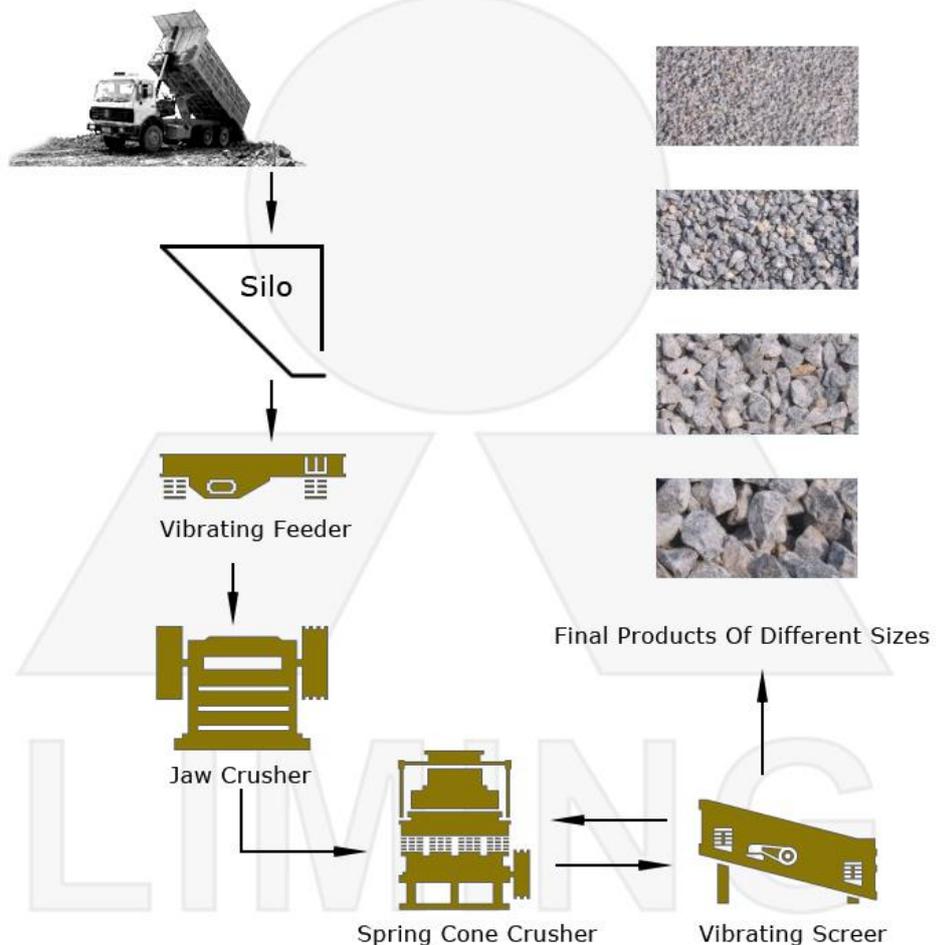


## SPRING CONE CRUSHER

**MAXIMUM CAPACITY: 1000 (t/h)**



### STONE PRODUCTION LINE

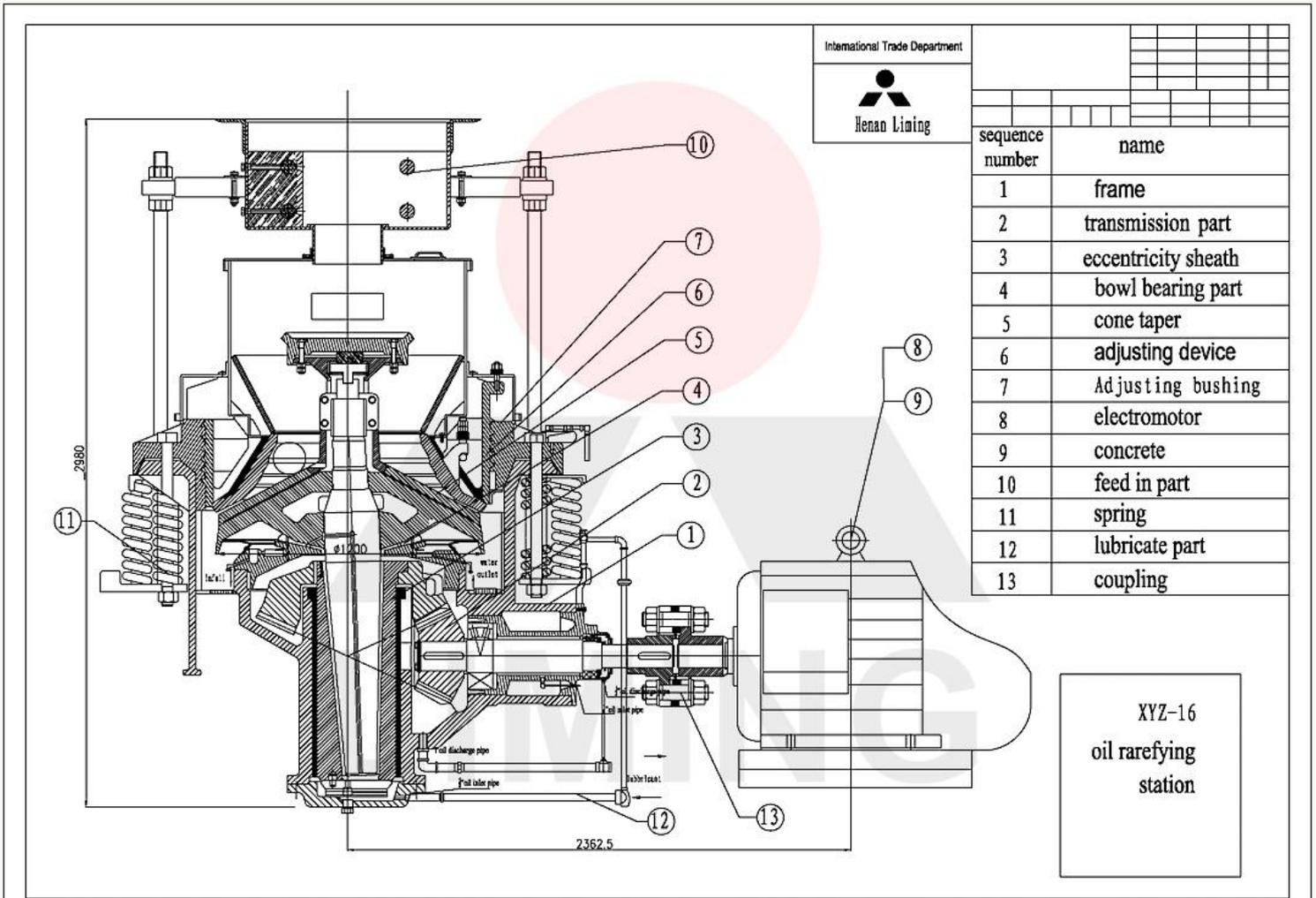


# TECHNICAL SPECIFICATIONS

Type		Max. input (mm)	Adjusting range of output (mm)	Capacity (t/h)	Motor power (kW)	weight (t)	Overall dimensions (L×W×H)(mm)
PYB	600	65	12-25	12-25	30	5	2800×1300×1700
PYD		35	3-15	5-23		5.5	
PYB	900	115	15-50	50-90	55	10.2	3050×1640×2350
PYZ		60	5-20	20-65		10.2	
PYD		40	3-13	15-50		10.3	
PYB	1200	145	20-50	110-200	110	24.7	4152×2300×2980
PYZ		100	8-26	50-150		25	
PYD		50	3-15	18-105		25.6	
PYB	1750	215	25-60	280-480	160	50.3	4870×3800×4192
PYZ		185	10-30	115-320		50.3	
PYD		85	5-15	75-230		50.4	
PYB	2200	300	30-60	590-1000	260-280	80	7705×3430×4852
PYZ		230	10-30	200-580		80	
PYD		100	5-15	120-340		81.4	

**Notice:** Any change of technical data shall not be advised additionally.

# DETAILED STRUCTURE



## PARTS AND ACCESSORIES:



# SERVICE

Liming service centers span the globe and are conveniently located to deliver prompt and complete service to keep your job moving forward. Our teams of technicians offer years of experience and offer services ranging from routine maintenance and accident repairs to customization and reconditioning.

We dispatch the experienced technician to guide you installation and commissioning; We dispatch the experienced technician to inspect and assess your machinery condition; We offers efficient, cost-effective repair and rebuild services for you; We offers technical support, to provide you with Process circuit evaluation.

Original spare parts is the heart of crushing & screening plant. Kefid supplies quality original parts to protect your investment and our knowledgeable product specialists help ensure you receive exactly what you need to get your equipment back on the job.



## LIMING HEAVY INDUSTRY



## TRAINING AND EDUCATION

Knowledge is power. Based in the classroom, workshop, out in the field or underground, we teach both theory and practice, infusing the relevant precautions, techniques, routines and remedies we have devised to ensure maximum safety, to save production, reducing downtime and overall, operating more efficiently.

# ABOUT US

Liming Machinery Co., Ltd. is a leading and pioneering enterprise with the most advanced international level in R&D, manufacturing and selling of large-scale crushing & screening plants and industrial milling equipments.

Located in a historic city and transportation hub in central China-Shanghai, covering 140 thousand square meters, Kefid has Shangjie and High-tech zone two production bases. Shangjie Zone which covers 80,000 square meters has three heavy-duty and modern integrated assembling workshops-- occupying 50,000 square meters; High-tech zone has 22 floors R&D Management laboratory building with 26,000 square meters, comprehensive equipments exhibition hall with 5,100 square meters, heavy-duty and modern integrated assembling workshop with 10,000 square meters, and also has the industry's most advanced machining workshop 20,000 square meters, and hundred sets of advanced large-scale vertical lathe, fixed lathe, planner, boring lathe, grinder and milling machines

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## WORKSHOP



What's more, Liming Heavy Industry Has three big production plants They are: plug welding workshop, Machining workshop, fitting workshop each of them occupies more Than 80,000square. More than 900 workmen are working and manufacturing products Which can ensure the quick supply-Ing products of customerization.

# LIMING HEAVY INDUSTRY

## Mining machinery



*With Liming's policy of constant upgradation of products, specifications are subject to change without prior notice. Accessories shown are optional and not a part of standard supply.*



India | Algeria | Australia | Afghanistan | Bangladesh | Botswana | New Caledonia  
Dominican Republic | Dubai | Egypt | Ethiopia | Iran | Iraq | Kenya | Kosovo  
Kuwait | Libya | Malawi | Malaysia | Maldives | Mauritius | Myanmar | Nepal  
Nigeria | Oman | Pakistan | Russia | Srilanka | Sudan | Saudi Arabia | Senegal | Tahiti  
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