



PE SERIES JAW CRUSHER

TOP 1 BRAND OF CHINA'S CRUSHING
AND GRINDING INDUSTRY





Product Presentation

Liming Heavy Industry is the leading provider of stone crushing solutions. PE series crushers produced by Liming Heavy Industry are undoubtedly the most popular jaw crushers in the world, based on various advantages such as higher crushing ratio, well-distributed product size, simple structure, reliable operation and easy maintenance. PE series jaw crushers with the above advantages will be your optimum selection for efficiently coarse crushing of hard, strong abrasive materials.

Three Innovative Technologies Highlight the Value of Liming Brand

1. Crushing chamber with special design brings higher crushing ratio and higher crushing efficiency, saving energy by 15% -30% in every single machine.
2. Heavy eccentric shaft design coordinated with high manganese steel jaw plate and higher cast steel movable jaw assembly, provides higher stability.
3. Innovative design of adjusting discharging gasket greatly expands the adjusting range of discharge to meet various processing demands of customers.

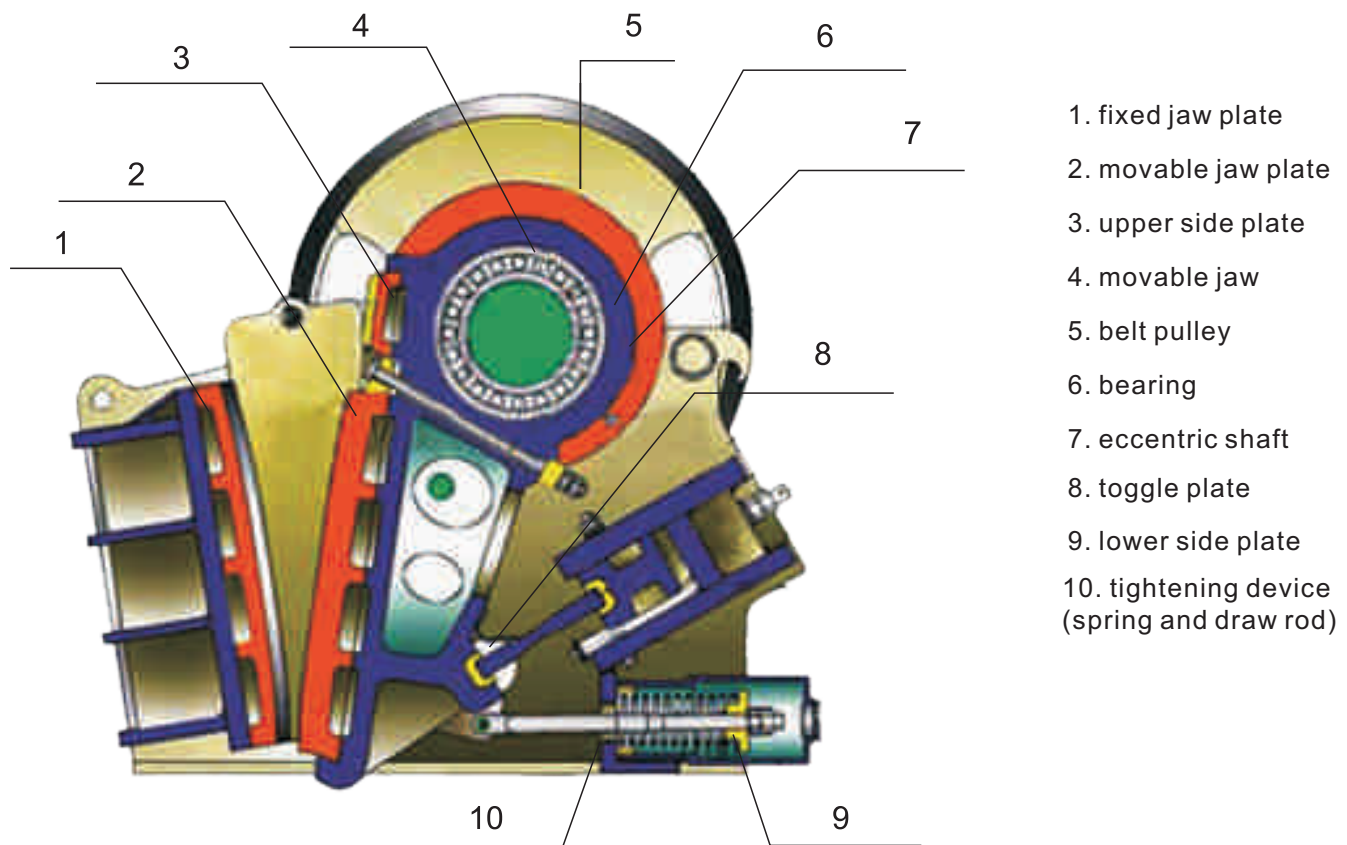


Purpose and Application Scope

As the most technology mature crusher of Liming Heavy Industry, PE series jaw crusher has a high crushing ratio up to 4-6, and its products are well-distributed, so it can be widely used in the following areas:

1. It is used for coarse crushing of limestone, rocks, river pebble, basalt, granite, quartz stone, tailings, slag and other minerals, as well as primary crushing of stone production line and sand making line.
2. It is applicable for coarse crushing in front grinding process in mineral industry, and other fields like building material, metallurgy, chemical, mining, refractory materials, cement, abrasive, etc.
3. It is applied to stone crushing in field of infrastructure project, water conservancy and hydropower, highway, high-speed railway, passenger transport line, bridge, airport runway, municipal engineering and high-rise building.





PRODUCT STRUCTURE

The working principle of PE series jaw crusher:

The jaw crusher is driven by electromotor. The motor transmits power through belt, drives the belt and pulley to make the movable jaw do periodic motion towards the fixed jaw by the eccentric shaft. The stuff will be crushed in crushing cavity, which is comprised of fixed jaw plate, movable jaw plate and side liner board. Finally, the stuff will be discharged from discharge opening.



PERFORMANCE ADVANTAGES

1. Optimized deep crushing chamber greatly improves feeding size and crushing ratio.
2. Larger heavy eccentric shaft adopts forging stock processing, making the bearing capacity stronger.
3. High manganese steel jaw plate and higher cast steel movable jaw assembly endow the crusher with more stability.
4. Centralized lubrication system with unique design, makes parts lubrication more convenient and maintenance workload small.
5. Digital analysis of parts operation combined with precision internal structure, greatly extend the service life of equipment.



ATKINS
LIVING

STRUCTURE FEATURES OF PE SERIES JAW CRUSHER



New Concept Of The Design

Crushing chamber with special design ensures longer service time of wear-resistant parts and higher crushing ratio, saving energy by 15% -30% in every single machine. Heavy eccentric shaft design coordinated with high manganese steel jaw plate and higher cast steel movable jaw assembly, provides stronger bearing capacity and higher stability. Innovative design endows the adjusting discharging gasket with great flexibility, largely expanding the adjusting range of discharge.

Specific structure features

1.Optimized crushing chamber

Optimized deep crushing chamber, on the one hand, greatly improves feeding size and crushing ratio, saving energy by 15% -30% in every single machine. On the other hand, it prolongs the service time of wear-resistant parts and reduces running cost.

2.High strength frame

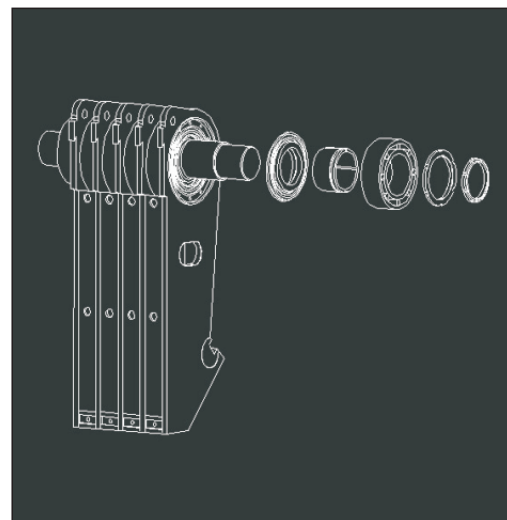
Frame of ordinary jaw crusher is made of weldments, while frame of small size jaw crusher is steel casting. It is able to withstand tremendous impact load owing to its sufficient strength and rigidity. All these designs ensure movable jaw assembly work well.

3.Innovative design of movable jaw assembly

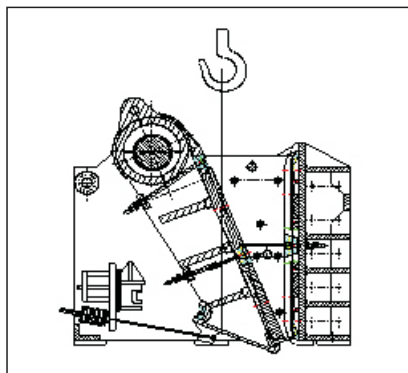
Movable jaw adopts entirety quality cast steel structure, and its inner bores, grooves and other parts are precisely processed and tested, ensuring the safe and reliable work. Eccentric shaft is made from superior quality and high strength steel forging after repeated precision machining, heat treatment and inspection check, therefore it is endowed with sufficient strength and rigidity. Four sets of self-aligning roller bearings give the crusher good bearing and automatic self-aligning properties. Movable jaw plate and fixed jaw plate are made of superior quality high manganese steel castings. In order to prolong its service life, it designs into upper and lower symmetry, so you can use the other side after one side is abraded.

4.Replaceable toggle plate

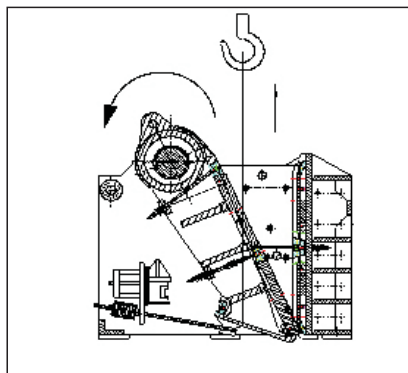
Toggle plate is not just a force transmission component, but also a insurance part of crusher. When something that cannot be crushed fall into the crusher and exceed the normal load of machine, toggle plate will immediately break and crusher stop working, thus avoid the damage of the whole machine.



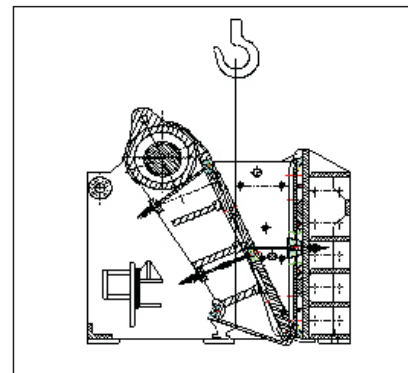
Replacement process of toggle plate



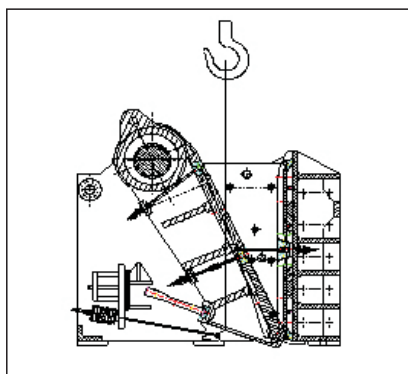
1. Upper wire rope hangs on the hook in hoisting equipment, while lower wire rope hangs on the lower end of movable jaw;



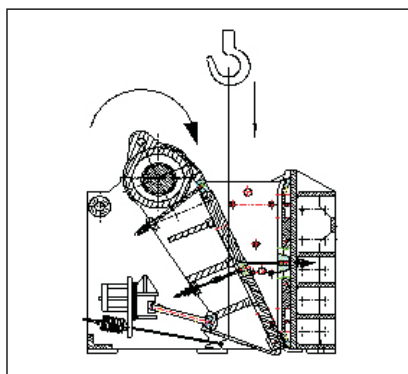
2. Start the hoisting equipment to lift upward, slowly rotating movable jaw until it is close to fixed jaw plate;



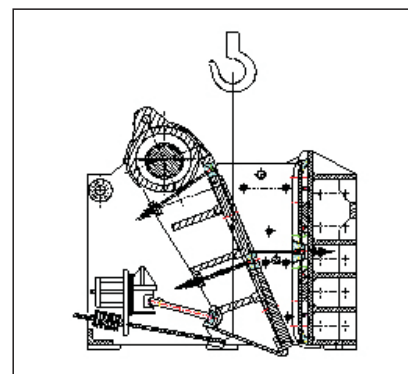
3. Take down the adjustment device and tension device;



4. Hoist the new toggle plate in place;



5. Install the adjustment device and tension device;



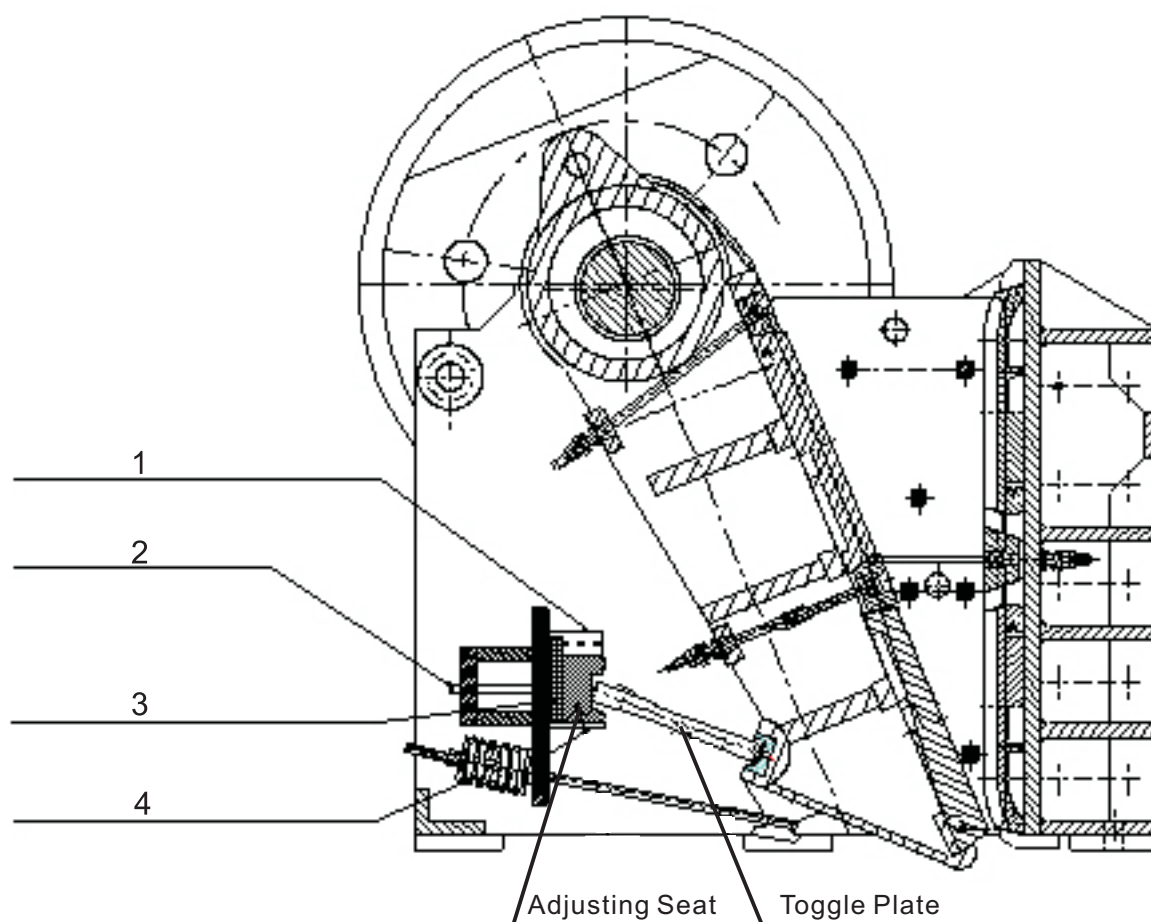
6. Slowly lay down the movable jaw to tighten both ends of the toggle plate, and appropriately adjust the tension device.

Something need to notice:

The above replacement process of toggle plate is easy to master. However, when you replace the toggle plate, please follow the above replacement process strictly for your own security.

Easy adjustable discharging opening

Adjusting discharging gasket is designed between adjusting seat and frame, greatly expanding the adjusting range of discharge to meet various processing demands of customers.



The adjusting process of discharging opening:

1. Moderately loosen bolts, spring and draw rod;
2. Loosen wedge tightening screw and wedge;
3. Turn the jack bolt and push the jack adjusting seat;
4. Increase or reduce the number of gasket.

TECHNICAL PARAMETERS

Model	Feed opening(mm)	Maximum feed size(mm)	CSS min-max(mm)	Capacity (tph)	Power KW(HP)	Dimension (L×W×H)(mm)	Weight(t)
PE250×400	250×400	200	20-60	5-20	15(20)	1150×1275×1240	2.8
PE250×1000	250×1000	210	15-50	15-50	30(40)	2790×2670×1380	6.5
PE400×600	400×600	350	40-100	15-60	30(40)	1700×1732×1653	6.5
PE500×750	500×750	425	50-100	50-100	55(75)	2035×1921×2000	10.3
PE600×900	600×900	500	65-160	60-130	75(100)	2290×2206×2370	15.5
PE750×1060	750×1060	630	80-140	110-250	110(150)	2620×2302×3110	26.7
PE900×1200	900×1200	750	100-200	160-380	130(175)	3789×2826×3025	51
PE1000×1200	1000×1200	850	200-300	315-550	130(175)	3889×2826×3025	56
Pe1200×1500	1200×1500	1020	150-350	400-800	200(270)	4200×3750×3820	88

In order to enhance your experience of our equipment during the operation, we strongly recommend spare parts originally manufactured by LIMING Heavy Industry. These high quality spare parts are manufactured using advanced metallurgy techniques, precise machining, and perfect compatibility, ensuring the lowest malfunction operation and creating higher value for our customer.

Crushing Plant



Sine Liner



Spring



Toggle Plate



Guard Liner Plate



Impact Block



Wearproof Plate



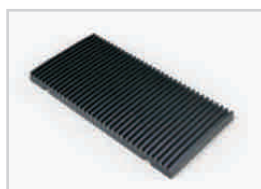
Impact Plate



Tension Rod



Feed Eye Ring



Movable Jaw Plate

Grinding Plant



Ring



Roller



Shovel Base



Shovel



Gland Arove Roller Sleeve



Roller Sleeve



Roller Shaft



Classifier Impeller



Lining Plate



Air Way Guard Plate

PRODUCT LIST

Production Line

Stone Crushing Line

Sand Making Line

Industrial Grinding Line

Grinding Plant

LM Vertical Mill

MTW European Trapezium Mill

LUM Vertical Roller Mill

TGM Trapezium Mill

T130X Superfine Grinding Mill

YGM Series Suspension Mill

HGM Series Micro Powder Mill

Coarse Powder Mill

Raymond Mill

Crushing Plant

HJ Series Jaw Crusher

European Type Jaw Crusher

European Type Impact Crusher

Impact Crusher

Jaw Crusher

HPT Hydraulic Cone Crusher

HST Hydraulic Cone Crusher

CS Series Cone Crusher

Spring Cone Crusher

Sand Making& Screening Plant

VSI5X Vertical Shaft Impact Crusher

VSI Vertical Shaft Impact Crusher

PCL Vertical Shaft Impact Crusher

YKN series vibrating screen

Vibrating Screen

Sand Washing Machine

Belt Conveyer

Vibrating Feeder

Mobile Crushing Plant

Crawler Mobile Crushing Plant

Mobile Primary Jaw Crusher

Mobile Impact Crusher

Secondary Cone Crusher

Multi-Combination Mobile Crusher

Mobile VSI Crusher

Mobile Vibrating Screen

QUALIFICATION

GOST Certificate



Grinding Plant



Crushing Plant



Mobile Crushing Plant

CE Certificate



Grinding Plant



Crushing Plant



Sand Making Plant



ISO9001-2008
Quality Management
System Certification



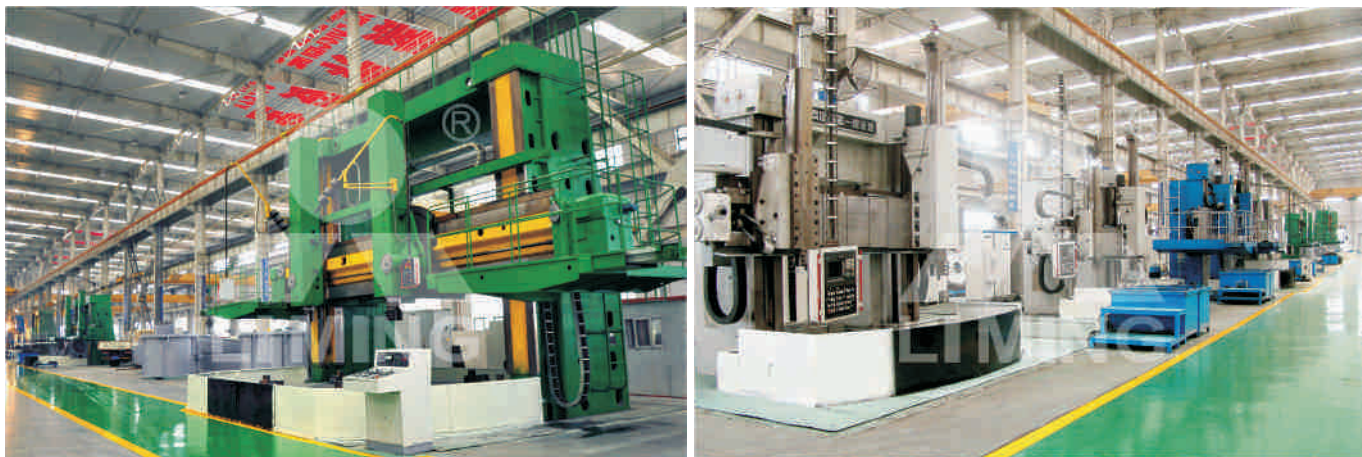
Environmental management
system certificate



Service – With me, enjoy your pleasant journey.

Liming has the most experienced team of engineers with professional knowledge and spirit of dedication. To serve the clients more conveniently, they scattered all over the world to work all year round. From the site planning to the drawing design, from the technical training to the installation and debugging, from the whole working line that values millions to the small pinion that looks insignificant, they fully understand the influence factors of actual situation on customer business, and create successful solution to improve the production efficiency and the environmental quality for customer operating agency.

WORKSHOP



ENTERPRISE PROFILE



Henan Liming Heavy Industry Science & Technology Co., Ltd. , established in 1987, is the leading enterprise of mining machinery in China.

Liming Heavy Industry is chronically committed to the research and develop of manufacturing of large infrastructure projects, such as construction, energy, transportation, etc. and provides various technical solutions and auxiliary products. "Made in Liming" is highly praised by our cooperative partners from more than 130 countries and regions overseas, such as Russia, Kazakhstan, Azerbaijan, Turkey, Kuwait, South Africa, Egypt, Vietnam, Malaysia, India, Australia, Korea, Canada and the European Union,etc. Liming is deserved to be one of the most excellent enterprises with the most industry customers and the most widely sales level service network.

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