



更生的手段 更是快乐和幸福
improving your life, but also for your own happiness

湖南黎明重工科技股份有限公司



HJ SERIES HIGH EFFICIENCY JAW CRUSHER

TOP 1 BRAND OF CHINA'S CRUSHING
AND GRINDING INDUSTRY





The Epitomizer Of **CREATION IN NEW TECHNOLOGY**

HJ series high efficiency jaw crusher is modern high performance crusher based on the design concept of high input - high output, integrating the characteristics of low power - high productivity. Practice has proved that HJ series jaw crusher, with its excellent performance, reliable quality and high cost-effective, has won the trust of customers around the world, being an ideal upgrade alternative of the traditional jaw crusher.

Two Innovative Technologies:

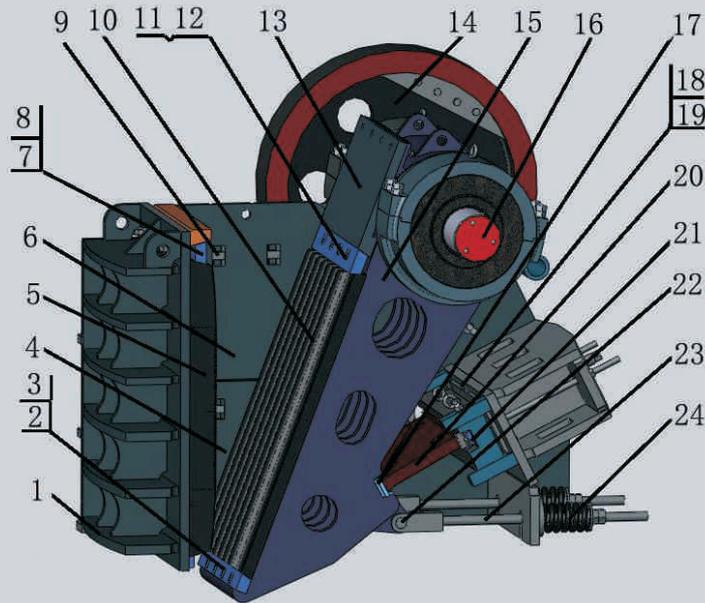
1. New design of the trajectory of movable jaw plate and the cavity, guarantees the optimum engagement angle and stroke property values, in order to promote the productivity of this model considerably with the same power.

2. A new optimal design of the whole structure and the counterweight section, determines the uniform distribution of the weights of flywheel, driving wheel and the weight of counterweight section, in order to improve the stability of this model significantly. than equal to intermediate crushing, fine crushing and super-fine crushing tasks.

Small Tips: HJ series high efficiency jaw crusher is widely used in metal and nonmetal mines, cement, construction, sand making, metallurgical process, can effectively reduce the particle size of ore, realizing "more crushing and less grinding", so as to improve the production capacity of the whole line, greatly improving the economic efficiency of the concentrating plant. Compared to the traditional jaw crusher, HJ series high efficiency jaw crusher possess a high production efficiency and low running costs when crushing basalt and other hard materials.



LIMING



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|---|------------------------------|
| 1. Frame Part | 13. Side Plate of Moving Jaw |
| 2. Lower Inclined Iron of Moving Jaw Plate | 14. Flywheel Subassembly |
| 3. Lower Inclined Bolt of Moving Jaw Plate | 15. Moving Jaw |
| 4. Lower Side Plate | 16. Eccentric Shaft |
| 5. Fixed Jaw Plate | 17. Toggle Plate Pad |
| 6. Upper Side Plate | 18. Adjusting Shim (1) |
| 7. Fixed Jaw Plate Bolt | 19. Adjusting Shim (2) |
| 8. Inclined Iron of Fixed Jaw Plate | 20. Toggle Plate |
| 9. Side Plate Bolt | 21. Toggle Plate (2) |
| 10. Moving Jaw Plate | 22. Hinge Pin |
| 11. Upper Bolt of Moving Jaw Plate | 23. Pull Rod |
| 12. Upper Inclined Iron of Moving Jaw Plate | 24. Spring |

FRAME AND WORKING PRINCIPLE

HJ Series High Efficiency Jaw Crusher is composed by the parts of frame, rotor, insurance device and adjusting device of discharging opening. And the supporting parts are lubrication system, and adjusting system. Motor drives the wheel by triangular belt, and then drives eccentric shaft to move the moving jaw, when moving jaw moves moving jaw plate to fixed jaw plate, the materials are crushed or chopped. When moving jaw plate that is driven by moving jaw keeps away from fixed jaw plate, the crushed materials are discharged from the discharging opening, which is under the jaw plate. Along with the continuous rotation of motor, the crusher crushes and discharges periodically.



SUPERIOR PERFORMANCE

1. High Stability

By the optimization of the whole structure and the counterweight section to determine the structure of flywheel and driving wheel and the weight of counterweight section, so its function of vibration has been greatly improved. Compared with the same unit jaw crusher, HJ series possess a greater stability.

2. Easy Maintenance And Operation

Advanced side fender bolt system makes the replacing of the side shield more faster; reasonable machine structure makes it more convenient for discharge setting and replacement of toggle plate. All this can effectively shorten the operation and maintenance time.

3. High Capacity

The model has a large output, by the optimization of the trajectory of movable jaw plate and the cavity, to determine the optimum engagement angle and stroke property values, so that the productivity of this model has risen considerably with the same power.

4. High Reliability

Heat-treated forged eccentric shaft, extra large bearings, "E" frame, labyrinth seals, etc, making equipment sturdy and durable, more reliable.

5. Wide Application

HJ series jaw crusher has a compact structure, compared with the same unit jaw crusher, it possess a smaller footprint. So that it can play a greater role in the limited space to suit a variety of crushing process.

Working by hand is only qualified, Working by heart leads excellence.
工作最多是合格 用心工作才能优秀

是快乐和幸福
of your own happiness



FEATURES



Structure Features Of HJ Series Jaw Crusher

New design concept of structure;

A new design of cavity, set ultimate objective of great capacity;

Optimization of whole structure and counterweight section, which brings unprecedented stability;

New Design Of Cavity

By the optimization of the trajectory of movable jaw plate and the cavity, to determine the optimum engagement angle and stroke property values, so that the productivity of this model has risen considerably with the same power.



Comprehensive Optimization Of Structure

Optimize the structure and counterweight section as a whole, improve the weights of flywheel, driving wheel and the weight of counterweight section, to make a qualitative leap of the stability



Heat Treatment Guarantees The Equipment Sturdy And Durable

To improve the service life of our products, Heat-treated forged eccentric shaft, extra large bearings, "E" frame, labyrinth seals, etc, making equipment sturdy and durable, more reliable.



Advanced Side Fender Bolt System And Reasonable Machine Structure

Advanced side fender bolt system makes the replacing of the side shield more faster, reasonable machine structure makes it more convenient for discharge setting and replacement of toggle plate. All this can effectively shorten the operation and maintenance time.



SPECIFICATIONS

Diagram 1 Parameter

Model Parameter	HJ98	HJ110	HJ125
Feed opening (mm)	650×980	800×1100	950×1250
Max feeding size (mm)	560	660	800
CSS min-max(mm)	100-200	100-200	125-225
capacity (t/h)	170-410	215-510	306-650
Power KW (HP)	90(125)	110(150)	132(175)
Dimension (L×W×H) (mm)	2470×2000×2180	2875×2472×2530	3320×2600×3120
Weight (t)	15	25	35.5

Diagram 2 Supporting Equipments Parameter

Model Name	HJ98	HJ110	HJ125
Electromotor	Y315L1-8	Y315L2-8	Y335M1-8
Hydraulic jack	RC-10T	RC-10T	RC-15T
Electric cabinet	90 /110 Kw	110/132Kw	132/160Kw

Diagram 3 Capacity Data

Model Name	HJ98	HJ110	HJ125
Capacity(t/h)	170-410	215-510	306-650

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



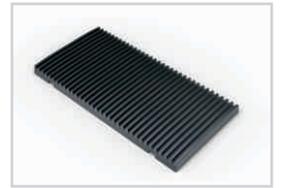
Impact Plate



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.

CONTACT US

HEADQUARTERS

Tel: 0086-371-86162511

Fax: 0086-371-67992699

Email: info@limingco.com

MSN: SalesCrusher@hotmail.com

Address: No.169, Science (Kexue) Avenue, National HI-TECH Industry Development Zone, Zhengzhou, China.

SHANGHAI BRANCH

Tel: 0086-21-33901608

Fax: 0086-21-58377628

Address: No.201-34, Huaxia 3rd Road, Pudong New Area, Shanghai, China.