







Product Presentation

CI5X Series Impact Crusher is new equipment satisfied the requirements about large profits, low costs and energy saving. Absorbed advantages of the traditional impact crushers, this new equipment integrates heavy rotor, multipurpose hydraulic system and efficient involute-shaped crushing chamber. These new designs that make the equipment quality and efficiency ensure customers' profits effectively.

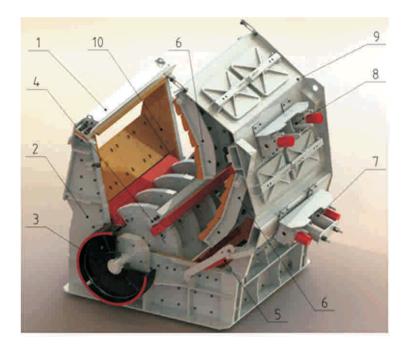
Purpose and Application Scope

- 1. CI5X Series Impact Crusher is widely used in metallurgy, mining machinery, and cement, refractory and chemical industry.
- 2. CI5X Series Impact Crusher is used to crush stones with coarse crushing, medium crushing and fine crushing, and compression strength lower than 300Mpa and moisture lower than 8-10%.









- 1. Upper Beam
- 2. Lower Frame
- 3. Main Shaft Wheel
- 4. Rotor Assembly
- 5. Opening and Closing Parts
- 6. Impact Frame
- 7. Adjusting Device of the Second Impact Frame
- 8. Adjusting Device of t he First Impact Frame
- 9. Upper Frame
- 10. Liner Board

The working principle of CI5X Series Impact Crusher

CI5X Series Impact Crusher crushes material by striking energy. When it works, the motor drives the rotor rotate at a high speed, on which the blow bar is installed .as soon as the material get into the affecting area of the blow bar, they will be stroke by the blow bar and be thrown to the impact devices around the rotor. The high speed forces the material to rebound from the impact liner to the area where the blow bar effects until they have been crushed to the required size. The clearance between the impact rack and the rotor can be adjusted to change the size and shape of the end product.



Performance Advantages

- 1. Holistic optimization. The plant made of quality steels adopts ANSYS finite element analysis and computer aided design, whose weight is reduced substantially, and the ways of transport and installation are more convenient.
- 2. Large capacity. The design of heavy rotor with rotational inertia and high precision makes the speed increased by 20%.

- 3. Convenient maintenance. Because of the new design of bearing block positioning device, the positioning accuracy is more reliable, which satisfy the requirements of usage and maintenance.
- 4. Simple operation. Adopting the design of hydraulic system to realize intelligent control for frame, impact rack, output size and maintenance. Besides, the operation is much easier and operating rate is improved.
- **5.** Quality final products. Efficient involute-shaped crushing chamber makes the efficiency higher and final product size well-distributed.
- **6.** Low costs. Introducing theory about ergonomics, the equipment takes advantages of simple maintenance, little down time and low costs.
- 7. Stable running. According to various situations, designing wearable hammers, impact plates and selecting quality bearings made by famous brands to make the running continuous and steady.





Structure Features of CI5X Series Impact Crusher

1. Rotor

Welded with quality and high-strength steel, the rotor takes advantages of good balance and impact resistance. Besides, the heavy rotor with rotational inertia contributes to reducing energy consumption when crushing hard materials.

2. Frame

The frame with box shape is made of upper frame, lower frame and upper beam, and they are connected with each other with high-intensity bolts. By this way, not only are the intensity and rigidity up to the mark, but also the structure is more reasonable.

3. Impact frame

The impact frame takes advantages of high rigidity, light weight and high universality. The impact plates with new structure optimize its angle to improve service life and efficiency.

4. Adjusting device

The adjusting device adopts hydraulic adjustment and design of vibration isolation, which can reduce the influence caused by unbalanced torque and improve the convenience of operation.

5. Wear-resistant parts

The wear-resistant parts including hammer, impact frame and liner board adopts high-performance wear resistant materials, which make the equipment cost-effective and service life longer.



SPECIFICATIONS

Main Technical Parameters of CI5X Series Impact Crusher

| Model | Specifications (mm) | Feed opening (mm) | Maximum feed size (mm) | Capacity (t/h) | Power KW (Kw) | Weight (t) | Dimension (mm) |
|----------|---------------------|-------------------------|------------------------------|-------------------|----------------------|---------------|-------------------|
| CI5X1315 | Ф1300×1500 | 1540×930 | 600 | 250-350 | 250 | 20 | 2880×2755×2560 |
| CI5X1315 | Ф1500×2000 | 2040×520 (2040×995) | 350 (700) | 400-600 | 2x250 (2x200) | 30 | 3390×3520×2790 |
| CI5X1315 | Φ1400×1500 | 1540×1320 | 900 | 350-550 | 250 | 24 | 2995×2790×3090 |
| CI5X1315 | Ф1600×2000 | 2040×1630 | 1100 | 500-900 | 2x200 | 42 | 3485×3605×3720 |
| CI5X1315 | Ф2000×2300 | 2400×1920 | 1300 | 1200-2000 | 2x500 | 76 | 4890×4380×4765 |



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

C6X Jaw Crusher European Type Jaw Crusher Jaw Crusher CI5X Impact Crusher

European Type Impact Crusher Impact Crusher HPT Hydraulic Cone Crusher

HST Hydraulic Cone Crusher CS Series Cone Crusher Spring Cone Crusher

Sand Making & Screening Plant

VSI6X Vertical Shaft Impact Crusher VSI5X Vertical Shaft Impact Crusher VSI Vertical Shaft Impact Crusher

PCL Vertical Shaft Impact Crusher S5X Series Vibrating Screen YKN Series Vibrating Screen

Vibrating Screen F5X Series Vibrating Feeder TSW Series Vibrating Feeder

Vibrating Feeder Sand Washing Machine Belt Conveyer

Mobile Crushing Plant

K Series Mobile Crushing Plant Crawler Mobile Crushing Plant Mobile Primary Jaw Crusher

Mobile Impact Crusher Secondary Cone Crusher 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





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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