HXJQ®

China Largest Mining Machinery | Manufacturer
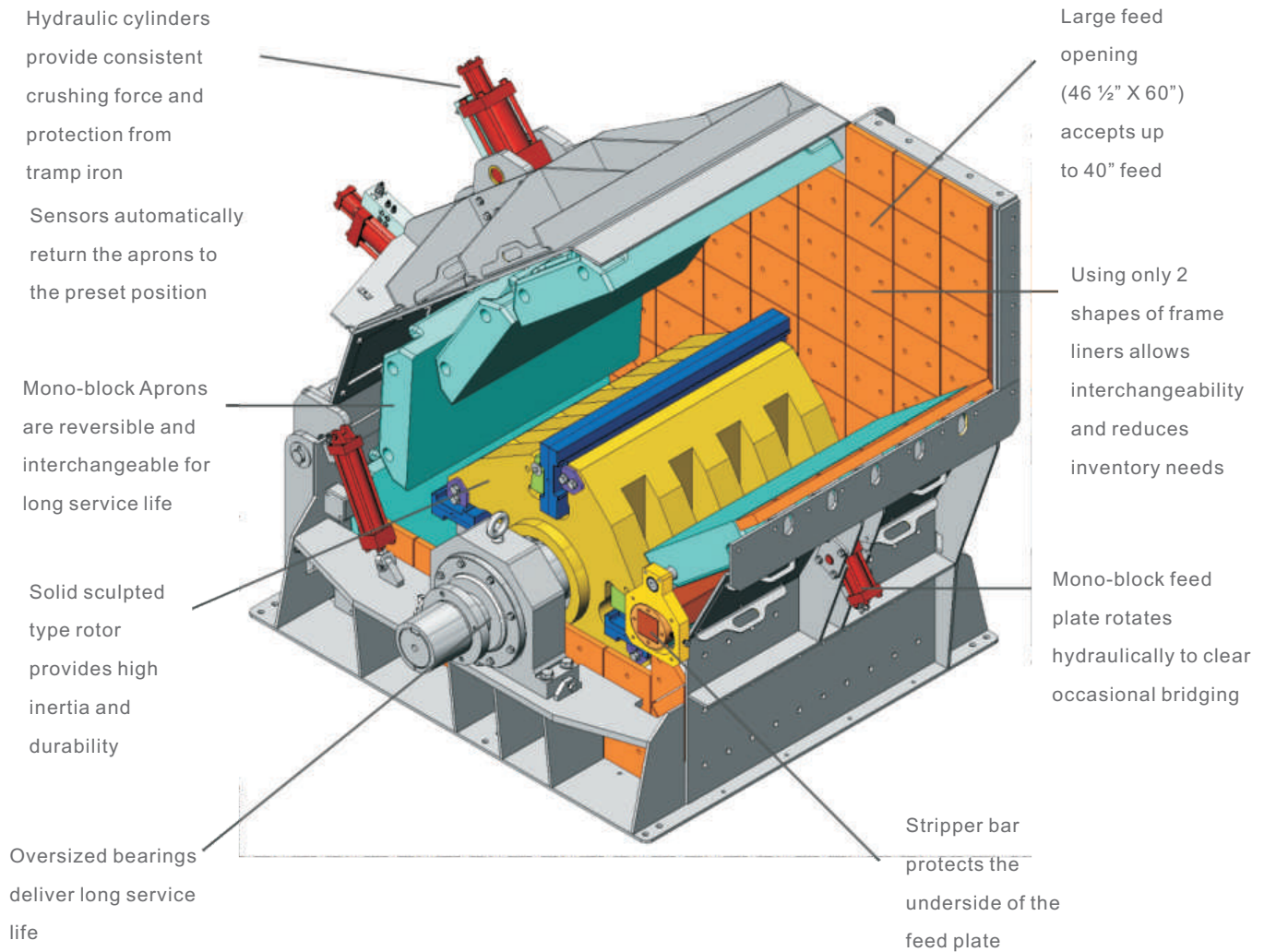
Operating Instruction

IMPACT CRUSHER

Henan Hongxing Heavy Machinery Co., Ltd.

The Handling Materials and Application of Impact Crusher:

This series impact crusher is able to crush coarse, medium and fine materials such as granite, limestone and concrete whose feeding granularity does not exceed 500mm and compression strength does not exceed 350MPa in many industries such as ore crushing, railway, highway, energy, cement, chemistry and constriction. The size of the discharging granularity is adjustable, and the crushing specifications are diverse.

Hydraulic cylinders provide consistent crushing force and protection from tramp iron

Sensors automatically return the aprons to the preset position

Mono-block Aprons are reversible and interchangeable for long service life

Solid sculpted type rotor provides high inertia and durability

Oversized bearings deliver long service life

Large feed opening (46 ½" X 60") accepts up to 40" feed

Using only 2 shapes of frame liners allows interchangeability and reduces inventory needs

Mono-block feed plate rotates hydraulically to clear occasional bridging

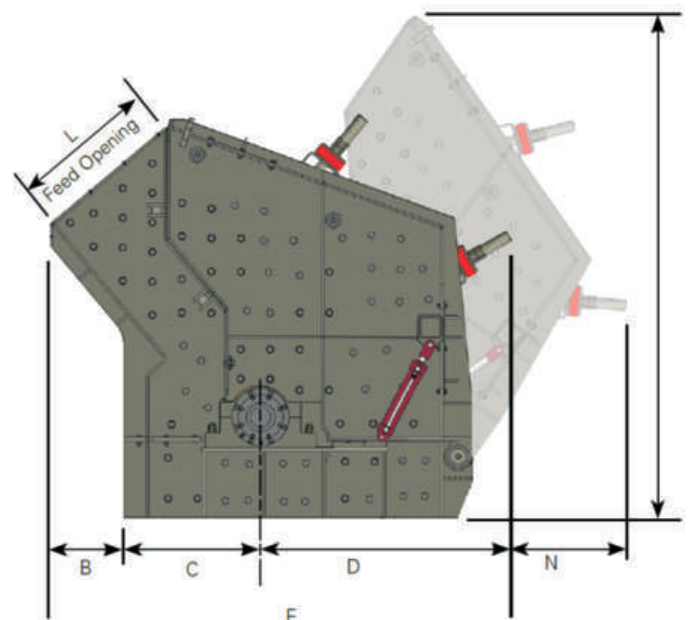Stripper bar protects the underside of the feed plate

The Performance Characteristics of Impact Crusher:

This series impact crusher is able to process the materials whose length of a side is below 100~500mm and maximum compression strength is 350Mpa, and it has the advantages of big crushing chamber and that the crushed materials are in the form of cube, so that it is suitable for crushing medium hard materials such as limestone in cement plant, and it has such advantages as big production ability and small discharging granularity.
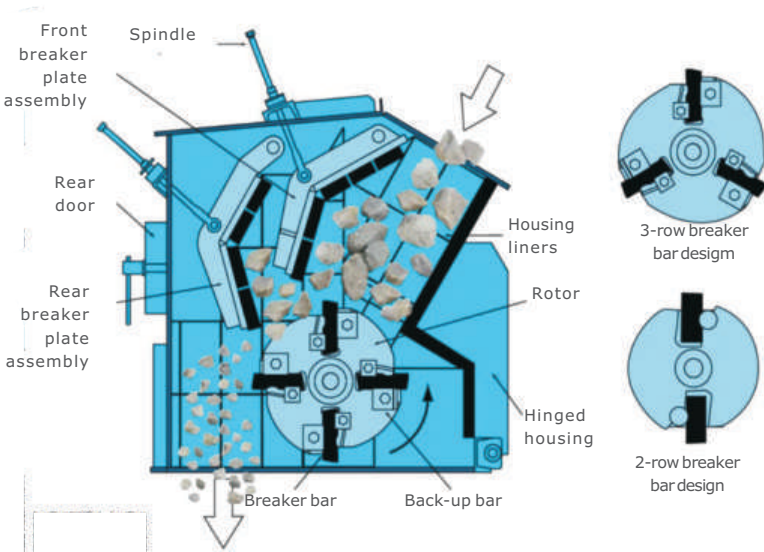
Features

1. It has big feeding mouth, high crushing chamber, high adaptability of the material hardness and small amount of stone powders

2. The gap between the impacting plate and the plate hammer is convenient to adjust so that it can effectively control the discharging granularity and the particle shape is good.

3. It has compact structure and strong rigidness, and the rotor has big rotational inertia.

4. It adopts high chromium plate so that it has shock resistance, abrasion resistance and big impacting force.

5. It adopts no key links so that it is convenient in maintenance and repair and economical and reliable.

6. It has comprehensive crushing functions, high production ratio, small abrasion and high comprehensive benefits.

Characteristics:

Processing capacity: 30-800t/h

Feed opening: 400×730-1260×2040mm

Feeding size: 300-700mm

Applied material: limestone, granite, coal, slag, clay.

Working principle:

Impact crusher is a kind of crushing machine that uses impacting energy to crush materials. When the machine works, driven by the electro motor, the rotor will rotate with high speed, and when the materials go into the action zone of the plate hammer, they will strike and are crushed on the plate of the rotor, and then are crushed again when they are thrown to the impacting device, and then the materials will bounce back from the impact lining board and go to the action zone of the plate hammer and are crushed again. This process will proceed repeatedly, and the materials go into the first, second and third impacting chamber to be crushed until they are crushed to the required granularity, and then discharged from the discharging mouth. Adjusting the gap between the impacting rack and the rotor can change the discharging granularity and the shape of the materials.

Technical data :

Model	Specifications (mm)	Feed opening (mm)	Max.feeding size length (mm)	Capacity (t/h)	Power (kw)	Total weight (t)	Dimensions (L×W×H) (mm)
PF-1007	Φ1000×700	400×730	300	30-70	37-45	12	2330×1660×2300
PF-1010	Φ1000×1050	400×1080	350	50-90	45-55	15	2370×1700×2390
PF-1210	Φ1250×1050	400×1080	350	70-130	110	17.7	2680×2160×2800
PF-1214	Φ1250×1400	400×1430	350	100-180	132	22.4	2650×2460×2800
PF-1315	Φ1320×1500	860×1520	500	130-250	200	27	3180×2720×2620
PF-1520	Φ1500×2000	830×2040	700	300-550	315-400	50.6	3959×3564×3330
PF-1820	Φ1800×2000	1260×2040	700	600-800	630-710	83.21	4400×3866×4009

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Pre-sale services: enthusiasm

We provide you with the prophase plan, process flow design and manufacturer equipment according to your special demand.

Sale services: servant

Send technicians to the jobsite for guiding the installation and adjustment, training operators and finishing the check and accept together with you.

After-sale services: faithfulness

To establish long term friendship, we will regularly pay return visit to customers.Supplying technique, building design, instruction , installation