

TRACKED MOBILE IMPACT CRUSHER



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福建南方路面机械股份有限公司
FUJIAN SOUTH HIGHWAY MACHINERY CO., LTD.

No.700, Tiyu Street, High-Tech Industry Zone,
Fengze District, Quanzhou, Fujian P.R.C 362021
TEL: +86-595-2290 5555
FAX: +86-595-2290 1888
E-mail: sales@nflg.com
Official website: <https://en.nflg.com>

Facebook: chinanflg
Linkedin: nflg



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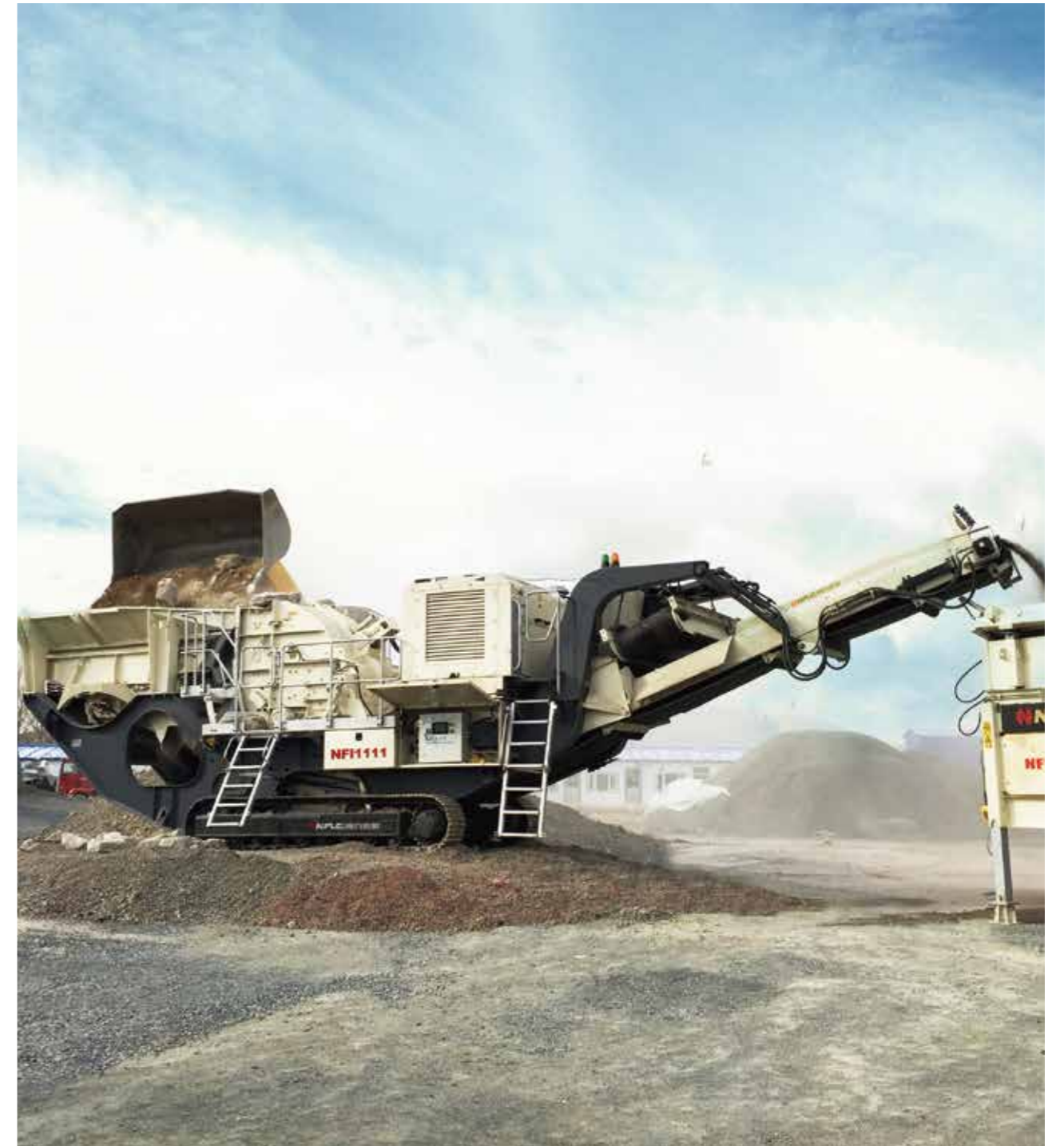
Supplied & Serviced By :



PT. FAJAR MAS MURNI

Jl. Raya Narogong No. 214 Bekasi, West Java – Indonesia
Phone : (62-21) 8203989, 8203990 ext. 651
Email : marketing@fajarmasmurni.com

Visit Us At
www.fajarmasmurni.com



TRACKED MOBILE IMPACT CRUSHER



NFI1111/RS NFI1313/RS

The tracked mobile impact crusher is used to crush the soft rock recycled at quarry, mine and construction waste, which is with high crushing ratio and good particle shape. RS series integrates with the crushing and screening functions, and NFI1313RS is added with a screen box with double-layer mesh screen based on the original impact crusher, which used to send back the oversized material back to the crusher host; the classifying screen can be removed rapidly for further processing without secondary screening or returning of materials.

Features



1 Receiving hopper

- ①. Hydraulic foldable and expansion (NF11111 only)
- ②. High wear-proof steel plate

2 Feeder with grid

- ①. Through the variable speed control of the feeder, the raw material enters the crusher continuously
- ②. Double-layer vibrating feeder that can effectively screen out the fine materials and impurities
- ③. The top layer is the heavy vibration grid, and the bottom layer is the mesh screen or rubber plate
- ④. The raw material below the screen can be selected to transfer to the main or side belt conveyor through material splitting hopper
- ⑤. Improve the feeding effect of crushing, reduce blockage and overflow
- ⑥. The sieve is easily replaced

3 Crusher

- ①. The chamber is with a larger feed port and with multiple-layer dust proof hanging curtain that can reduce the field dust
- ②. The rotation speed of the chamber is adjustable, with excellent crushing effect
- ③. The chamber rotor structure is designed as a steel bar winding prevention
- ④. The plate hammer is of wedge block locking structure, so it is easily replaced and maintained
- ⑤. Hydraulic supplementary-controlled impact plate, which is adjusted conveniently and rapidly

4 Chassis feeder

- ①. The vibrating feeder is installed below the crusher chamber, to assist the discharging and reduce the blockage
- ②. The transmission force is strong against viscous materials

5 Chassis

- ①. Convenient for maintenance and cleaning
- ②. Rugged frame of full-welded beam column
- ③. Have even weight distribution so as to ensure the excellent operation performance

6 Power

- ①. Strong power, low noise and oil consumption
- ②. Caterpillar engine

7 Electric control system

- ①. Double-layer cabinet body, dustproof and waterproof
- ②. Humanized interface with one-key start and stop functions and simple operation

8 Track

- ①. Solid and durable crawler chassis
- ②. Able to work under the harsh environment

9 Main conveyor belt

- ①. The high strength scraper is installed at the head drum
- ②. Water-spraying and dust removal device

10 Belt conveyor of fine materials & screen box (RS series only)

- ①. Metal trash discharge groove is the standard configuration
- ②. The screen box and belt conveyor of fine materials can be removed rapidly for adapting more conditions (NF11313RS only)
- ③. The angle of inclination of the screen can be adjusted between 17°-25°

11 Transfer belt & return belt conveyor (RS series only)

- ①. Herringbone belt is used for preventing overflow
- ②. It can be hydraulically foldable when transported

12 Iron remover (optional parts)

- ①. Iron separator with high sorting capacity

Standard Equipment



1. Receiving hopper

- ①. Hydraulic foldable receiving hopper
- ②. Integrated double-layer prescreening, and the top layer is vibration grid

2. Feeder with grid

- ①. Double-layer vibrating feeder
- ②. Top layer: Grate screen
Lower layer: Mesh screen or rubber plate
- ③. Optional process scheme (optional)
 - a. Place all feedstocks into the crusher
 - b. The coarse material will enter the crusher and the fine material will enter the by-pass device
 - c. The coarse material will enter the crusher and the medium-sized material will enter the by-pass device, and the fine material will be stacked
 - d. The coarse material will enter the crusher and the medium-sized and fine materials will be stacked

3. Crusher chamber

- ①. Hydraulic supplementary-controlled impact plate
- ②. High strength and wear-resistant lining plate
- ③. Plate hammer replacement auxiliary tool
- ④. Direct drive
- ⑤. The feed port of crusher chamber is equipped with chain curtain
- ⑥. 2 full-sized martensite flat hammer and 2 half-sized manganese steel flat hammer

4. Chassis feeder

- ①. High strength wear-proof plate discharge groove
- ②. Large volume material groove structure
- ③. Efficiently driven by motor, the materials transportation is smooth
- ④. The buffer board is equipped on the receiving point
- ⑤. Drive drum high strength scraper

5. Chassis

- ①. Rugged heavy frame
- ②. High-quality walking parts

6. Power device

- ①. CAT Caterpillar diesel engine
- ②. Direct drive

7. Electric control system

- ①. Double-layer cabinet body and inspection window system, which are dustproof and waterproof
- ②. The equipment cables and connectors adopt die-casting integrated molding technology, plug and play, and extremely reliable
- ③. Use high-performance and high-protection imported vehicle controller and dialogue processing module control
- ④. Intuitive and vivid visualized operation display screen with both pictures and texts
- ⑤. Humanized interface with one-key start and stop functions and simple operation
- ⑥. The parameter setting with high flexibility so as to meet the demands of different applications
- ⑦. Monitoring the engine information in real time, conducive to the field maintenance and diagnosis
- ⑧. All crushing functions can be operated through the screen

8. Main belt conveyor

- ①. The high strength scraper is installed at the drive drum
- ②. Water-spraying and dust removal device

9. Iron remover (optional parts)

- ①. Iron remover with high sorting capacity

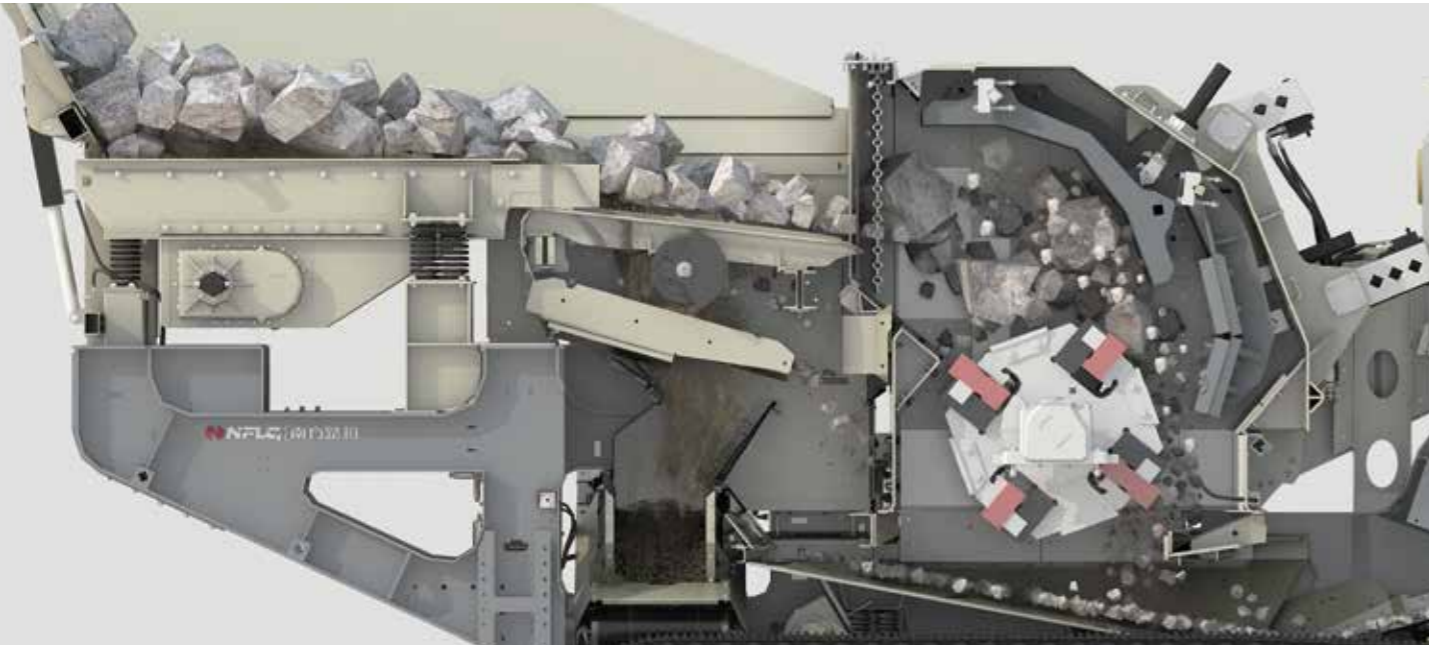
10. Screening & RS material recycling device (RS series only)

- ①. Vibrating screen with a large screen surface
- ②. The oversized materials will fall to the transmission belt after screening, and will be transmitted back to the vibrating feeder through material recycling belt
- ③. Motor drive

★ The notice will not be sent additionally in case of changes in all specifications parameters.

★ Optional accessories: Side belt conveyor, iron remover, hydraulic-folded receiving hopper will be lengthened (NF1111 only), and the plate hammer can be selected as per different application conditions.

NFI1313/RS Advantage



Continuous and even feeding system

- The transmission frequency of automatic speed changing feeder can be corresponding regulated by sensing the impact crushing pressure, and the feeder can be controlled independently, so that the continuous and ideal feeding effect can be ensured, which plays an important effect on the high equipment output.

Hydraulic auxiliary adjustment impact plate

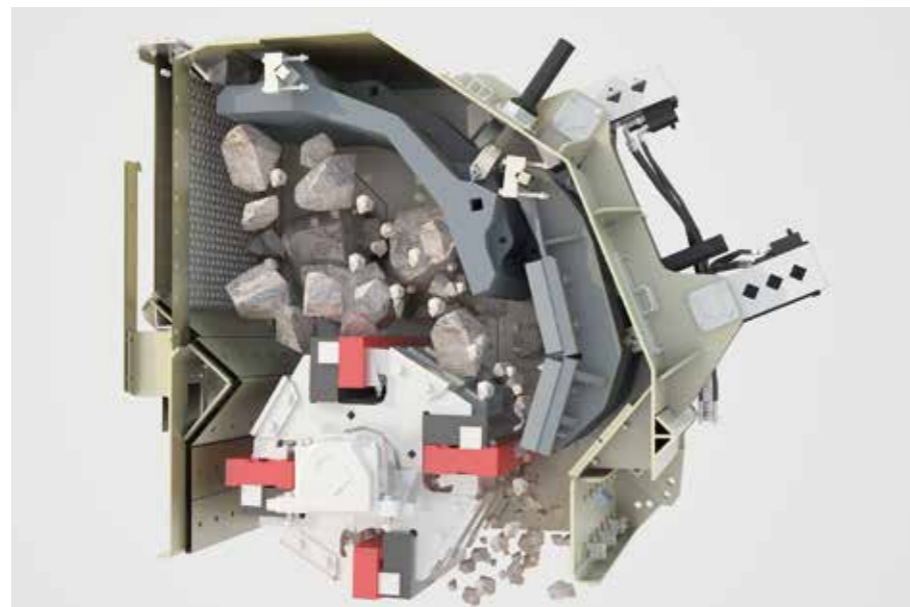
Convenient and efficient

Adjustable rotation speed of chamber

Excellent crushing effect

Chamber rotor structure

Steel bar winding prevention design



Hopper with large volume

- The back of the hopper can be put down for feeding directly
- Select to configure the rear and side extension plates of the hydraulic folding hopper can increase the hopper capacity



Pre-screening function

- The fine materials that do not need to be crushed are discharged from the side belt conveyor for further processing
- Double-layer independent pre-screening machine can effectively screen out fine materials, reduce wear and increase the quantity and output of finished products



It is directly driven by the hydrodynamic coupling, which ensures the minimum oil consumption

Iron remover with high sorting capacity



Visual touch screen with images and texts

- Humanized interface with one-key start and stop functions and simple operation
- The parameter setting with high flexibility so as to meet the demands of different applications
- Monitoring the engine information in real time, conducive to the field maintenance and diagnosis
- All crushing functions can be operated through the screen



Material recycling system

- Screen box of recycled materials can ensure that the oversized material is returned to the crusher for secondary crushing to ensure the quality of the finished product
- The screen box of recycled materials can be disconnected in case of unnecessary, which can save the fuel and wearing cost
- The hydraulic screen box may be lowered, which is convenient for maintenance and dismantling of the low lubricating point



Main parameters of tracked mobile impact crusher

	NFI1111	NFI1111RS	NFI1313	NFI1313RS
				
Chamber model	IH1111		IH1313	
Rotor diameter × width (mm)	φ1040×1100		φ1270×1220	
Maximum feeding particle size (mm)	450		560	
Feed inlet size (mm)	800×1130		1100×1238	
CSS range of upper impact plate (mm)	60-150		40-330	
CSS range of lower impact plate (mm)	20-75		20-185	
Driving mode	Directly driven by the clutch		Directly driven by the hydrodynamic coupling	Directly driven by the clutch
Rotation speed (rpm)	606-740		350-600	
Standard plate hammer - martensite	2 long 2 short		2 long 2 short	
Engine model/power (kW)	CAT C9 242		CAT C13 328	DC13 (National IV) 405
Pre-screening machine	Integration		Integration	
Maximum throughput (tph)	320		420	
Weight (t) (excluding iron remover)	32.8	41.4	49	59
Transport dimension L×W×H (m)	14.5×2.6×3.5	6.3×3.1×3.5	14.7×3.0×3.8	17.3×3.2×3.8

NFI1313

High hedge ratio

Big broken ratio

High production

Good particle shape



NFI1313RS

Release of new products

Euro V engine (corresponding to national IV standard)



Crushing all-in-one machine

Latest ceramal plate hammer,
long service life of easily damaged parts

There is the vibrating feeder below the discharge port,
to realize smooth discharge and protect the belt

With the rotor diameter of 1270mm, it has strong crushing capacity

Case Study



1 | 2
3

1. NF11111+NFS350- Linyi, Shandong- Road tunnel construction stone (limestone) crushed on site
2. NF11111+NFS150- Zhengzhou, Henan-Application of construction waste crushing in pavement cement stabilized base
3. NF11111- Hefei, Anhui-Concrete waste crushing

Case Study



1		
	2	3

1. NFI1111- Hefei, Anhui- Crushing of recycled materials for adding AC overlay on PCC pavement
2. NFI1313RS- Yunnan-Limestone aggregate
3. NFI1111- Zhengzhou, Henan-Recycling and crushing of construction waste (concrete blocks)



Industrial Services



Cloud worry-free system



24-hour customer service system



National service outlets



Team of technical experts

On-site machine delivery and service training

Ensure that customers are in control of routine maintenance

Regular customer visits at site

On-site service, quick response

Ensure the shortest troubleshooting time

Supply of components and parts supply from stock