

# TRACKED MOBILE CONE CRUSHER



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Account of NFLG

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# TRACKED MOBILE CONE CRUSHER



# Features



## 1 Receiving hopper and feeder

- ①. With low feeding height
- ②. The material impact resistant buffer bridge is equipped on the receiving hopper
- ③. Hydraulic expansion feeder
- ④. High wear-resistant steel plate
- ⑤. Feeding belt conveyor feeds the material with variable speed, which can increase or decrease the feeding as required
- ⑥. Metal detector system

## 2 Feeding hopper of crusher

- ①. Feeding hopper with large volume
- ②. Ultrasonic sensor monitors the height of material level
- ③. Video monitoring, which can observe the feeding situation in real time

## 4 Main conveyor

- ①. With strong conveying capacity
- ②. With high ground clearance and high safety

## 3 Crusher

- ①. With high-strength cast steel body, solid structure and full automatic control design, and be suitable for harsh working conditions
- ②. Monitoring the oil level, oil temperature, oil pressure and flow of the hydraulic lubrication system in real time
- ③. The wearing parts are easy to be replaced, which can reduce the downtime
- ④. The bearing design is advanced, the thrust roller bearing is with small friction loss, and the loading capacity is large for higher output
- ⑤. With automatic protection of overload and metal detection, and automatic resetting of discharge port
- ⑥. Inspect the abrasion value of the liner intelligently, with liner replacement alarm
- ⑦. Monitoring the speed of transmission shaft in real time

## 5 Chassis

- ①. Convenient for maintenance and cleaning
- ②. Solid framework
- ③. Even weight distribution so as to ensure the excellent operational performance

## 6 Track

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

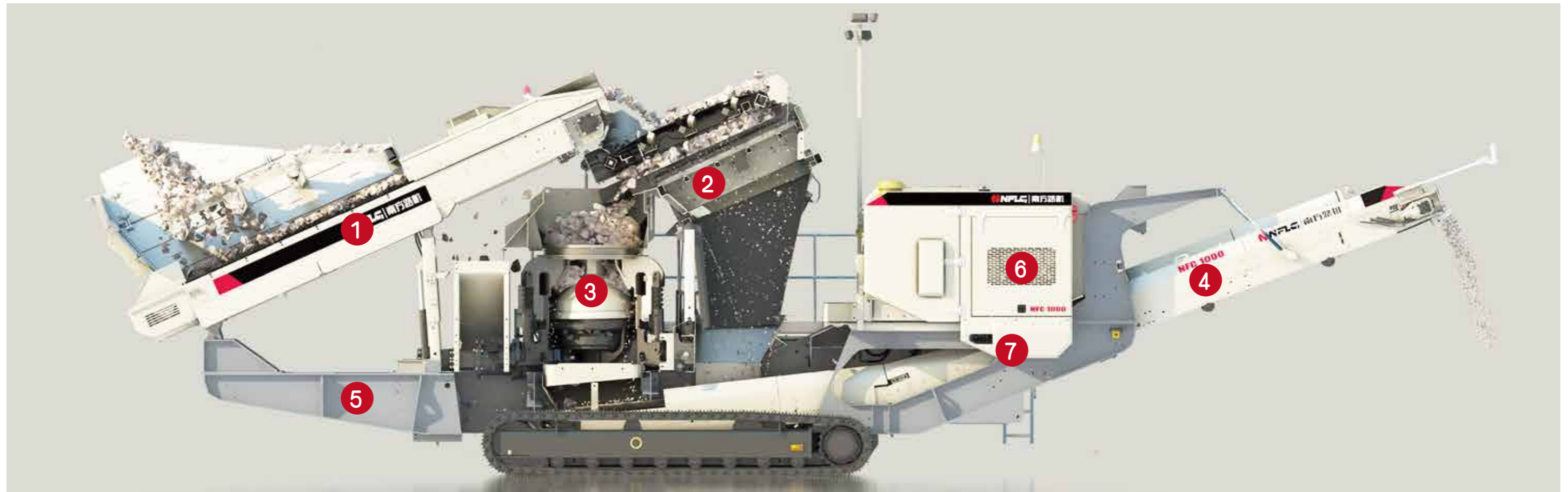
## 7 Power

- ①. Strong power, lower noise and oil consumption
- ②. Easy maintenance and cleaning
- ③. CAT Caterpillar engine

## 8 Electric control system

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

# Standard Equipment



## 1. Receiving hopper and feeder

- ①. Receiving hopper with buffer bridge
- ②. Hydraulic foldable system (foldable when being transported)
- ③. Feeding belt conveyor
- ④. Metal detection system on the feeding belt is equipped with "automatic stop" device
- ⑤. Controllable debris removal system can clear the metal on the belt feeder
- ⑥. Heavy duty large torque hydraulic drives feeding belt conveyor
- ⑦. Wear-resistant liner is installed under the inner wall of the receiving hopper

## 2. Pre-screening

- ①. It can be hydraulically foldable when transported
- ②. Independent single-layer screen box
- ③. Dust hood

## 3. Cone crusher

- ①. The crushing cavity of long-cone medium coarse crushing
- ②. The cone crusher with hydraulic driven and electronic speed control
- ③. With monitoring equipment, and the suspended tight side discharge port is hydraulically regulated
- ④. Wearing degree indicator of cone plate surface
- ⑤. Overload protection device with automatic reset function

## 4. Main conveyor

- ①. Driving roller with high strength scraper
- ②. Main belt dust hood

## 5. Chassis

- ①. Solid heavy framework
- ②. High-quality walking device components

## 6. Power device

- ①. CAT Caterpillar engine
- ②. Hydraulic drive

## 7. Electric control system

- ①. Double-layer cabinet body and inspection window system, which are dustproof and waterproof
- ②. The cable and connector of equipment adopt die-casting integrated molding technology. They can be used after inserted, and with high reliability
- ③. Adopt high performance, high protection imported on-board controller and conversational processing modul control
- ④. Intuitive and vivid visible operation screen with images 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 information of engine in real time, conducive to the on-site maintenance and diagnosis
- ⑧. All crushing functions can be operated through the screen

## 8. Screening &RS material recycling device (RS series only)

- ①. Double-layer vibrating screen with a large screening surface
- ②. After screening, the oversize material will fall to the transfer belt conveyor and returns to the vibrating feeder through the return belt conveyor
- ③. Motor drive

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

★ Optional accessories: The cone liner can be selected as per different application conditions.

# NFC1000 Advantage

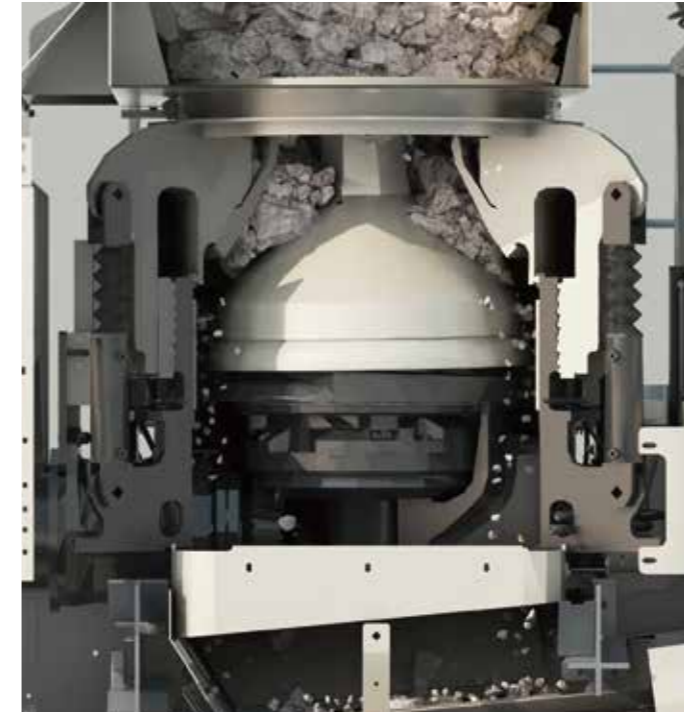
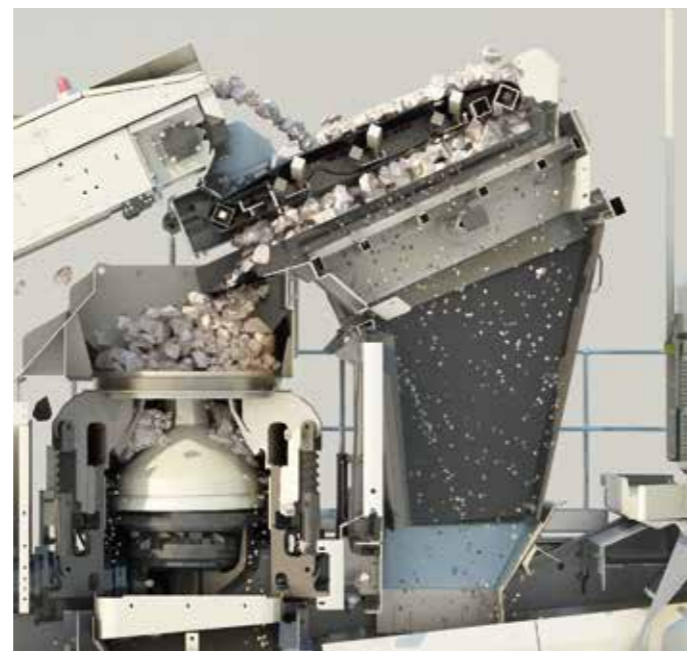


## Continuous feeding system

- Continuous feeding system plays an important role for the high output of the equipment; the transmission speed of the feeding belt conveyor will regulate the speed automatically as per the material level of the crusher, further ensuring a continuous and ideal feeding effect

## Single-layer pre-screening machine

- For those that are equipped with single-layer pre-screening machine, effectively screen out fine materials before enter the crusher, can not only reduce the wear of the crusher, but also increase the quality and output of the finished products



## World top-class cone crusher

- The world most advanced bearing structure, reducing energy consumption, increasing production and reducing failure rate
- Multi-point and multi-face simultaneous crushing, full extrusion and good particle form
- High rotation speed of crusher, which can greatly increase the output
- Both soft rock and hard rocks can be broken
- The complete machine automatically realizes fast and slow feeding, ensuring the full load operation of the crusher, to maximize the output and particle form



## Metal detection system

- The metal detection system is equipped on the feeding belt conveyor; the automatic shutdown system can play a role of protection before the metal enters the crusher, and the debris discharge system can discharge the metal directly

# NFC1000RS Advantage



## Material return system

- Oversize material returns to the material return system for secondary crushing to ensure the quality of finished products

## Visible operation 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 information of engine in real time, conducive to the on-site maintenance and diagnosis
- All crushing functions can be operated through the screen



Main parameters of tracked mobile cone crusher

	NFC1000	NFC1000E	NFC1000RS	NFC1300	NFC1300E	NFC1300S	NFC1400S
Crusher model	HC1000			HC1300			MAX450
Cone head diameter (mm)	1000			1300			1380
Maximum feeding size (mm)	160 (medium and coarse standard cavity)			220 (medium and coarse standard cavity)			275 (medium and coarse standard cavity)
Rotation speed (adjustable) (rpm)	350-394			323-357			280-337
Rotation speed of crusher's driving shaft (rpm)	936			753			750-900
CSS range (standard, mm)	19-38			24-45			19-75
Drive	Hydrostatic	Motor	Hydrostatic	Transmission shaft and V-belt	Motor	Clutch	Clutch
Engine/ power (kW)	Cat C9/261	Perkins/74.5	Cat C13/328	Cat C15/390	Cummins QSB6.7/127	Cat C13/328	Cat C18/522
Speed (rpm)	1900	2200	1900	1900	2200	1800	1800
Capacity of receiving hopper (m <sup>3</sup> )	5			8			9
Pre-screening size (mm)	1830×1220 (single-layer)			2450×1520 (single-layer)			N/A
Screen size (mm)	Selective size						
Total motor power (kW)	N/A	207	N/A	N/A	310	N/A	522
Maximum throughput (mtph)	260			390			585
Weight (t)	38.3	40.6	45.6	63.0	70.0	49.8	64.4
Transport dimension L×W×H (m)	16.9×2.8×3.5	6.8×2.8×3.5	18.8×3.1×3.5	18.3×3.0×3.8	18.3×3.0×3.8	15.3×3.0×3.7	18.0×3.0×3.8

# NFC1000RS

**Integrate crushing and screening**  
**Best application of pebble conditions**



# NFC1400S

## Release of new products

### Strong, reliable, efficient and energy-saving

High crushing ratio and high rate of finished products

The receiving hopper with buffer bridge, which is more wear-resistant

The feeder with metal detection system, which can protect the crusher



Unique design, with small wear of liner

Long service life

Several types of cavities can be selected to be suitable for different conditions





# 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