

# 履带圆锥式破碎站

## Tracked Mobile Cone Crusher



南方路机官方微信



画册电子版

### 福建南方路面机械有限公司

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## 优点一览 Features



① 受料斗和给料机  
Hopper & Feeder

② 预筛分  
Pre-Screen

③ 破碎机  
Cone Crusher

④ 主输送机  
Main Conveyor

⑤ 机架  
Chassis

⑥ 履带  
Undercarriage

⑦ 动力总成  
Power Unit

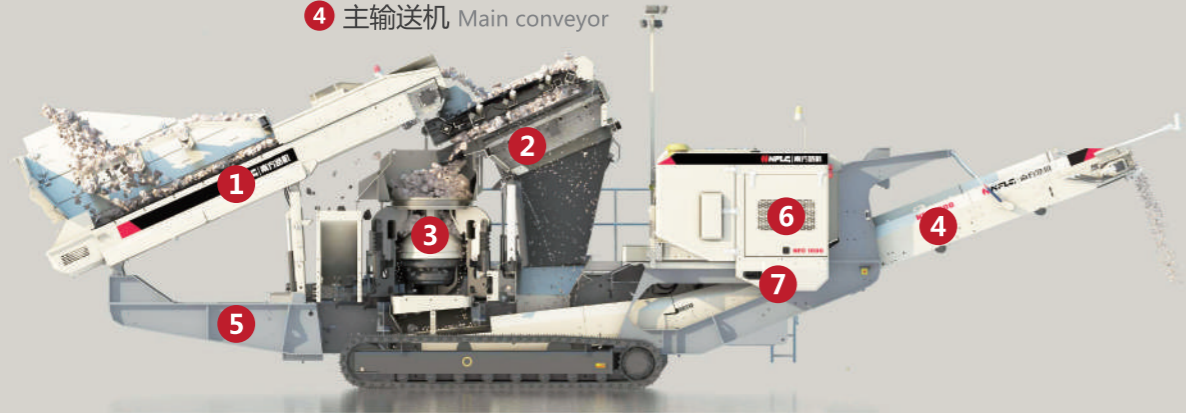
⑧ 电控系统  
Electrical System

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# 设备标准配置 Standard Equipment

## 设备各部件配置展示 Display Components

- 1 受料斗和给料机 Hopper & Feeder
- 2 预筛分 Pre-Screen
- 3 圆锥破碎主机 Cone chamber
- 4 主输送机 Main conveyor
- 5 机架 Chassis
- 6 动力总成 Power unit
- 7 电控系统 Electrical system



### 4. 主输送机

- > 驱动滚筒高强度刮板
- > 主皮带防尘罩

### 4. Main conveyor

- > High spec scraper at head drum
- > Main conveyor dust cover

### 5. 机架

- > 坚固重型机架
- > 高质量的行走装置件

### 5. Chassis

- > Robust heavy duty chassis
- > Quality movable assemblies

### 6. 动力装置

- > 卡特彼勒发动机
- > 液压驱动

### 6. Power unit

- > Caterpillar diesel engine
- > Hydraulic drive

### 7. 电控系统

- > 双层柜体及检视窗系统，防尘、防水
- > 设备线缆与接插件采用压铸一体成型技术，即插即用，可靠性极高
- > 采用高性能、高防护进口车载控制器及对话处理模块控制
- > 直观形象的图文并茂可视化触摸屏
- > 人性化界面，一键启停功能，操作简单
- > 参数设定灵活性高，以满足不同应用需求
- > 发动机信息实时监控，利于现场维护与诊断
- > 通过屏幕操作所有破碎功能

### 7. Electrical system

- > Double-deck cabinet body and inspection window system, dustproof and waterproof
- > The cable and connector adopt the molding technology, combining the pressing and casting. They can be inserted right for high reliability
- > Imported on-board controller with high performance /protection and conversational processing
- > Visual touchscreen with images and texts
- > User-friendly interface with one-key start/stop functions and simple operation
- > The parameter settings are high flexible so as to meet the demands of different applications
- > The engine is monitored in real time, which is conducive to the onsite maintenance and diagnosis
- > All crushing functions can be operated through the screenz

### 8. 筛分&RS回料装置 (仅限RS系列)

- > 大筛面双层振动筛
- > 筛出的超规格料落到装运皮带通过回料皮带回到振动给料机
- > 马达驱动

### 8. Screening & recirculating conveyor (for RS series only)

- > Double deck vibrating screen with a large screen surface
- > Oversized materials will fall to the transfer conveyor after screening, and return back via recirculation conveyor to vibrating feeder for further crushing
- > Motor drive

#### ★ 所有规格参数如有变更，恕不另行通知。

All specifications are subject to change without prior notification.

#### ★ 选配件：侧皮带机，除铁器，液压折叠收料斗加长，板锤可根据应用工况不同选择。

Optional Parts: by pass conveyor, magnet; hydraulic folding hopper extensions; Multifunctional mantle/concave to respective application.

### 1. 受料斗和给料机

- > 受料斗带缓冲桥
- > 液压折叠系统（运输时可折叠）
- > 给料带式输送机
- > 喂料带上的金属探测系统带有“自动停止”装置
- > 可控制的排杂系统可将皮带式给料机上的金属物清除
- > 重型大转矩液压驱动给料带式输送机
- > 受料斗内壁下方安装有耐磨衬板

### 1. Hopper and feeder

- > Impact reducing cross bar
- > Hydraulic foldable system (foldable for transportation)
- > Feed belt conveyor
- > The metal detection system on the feeding belt with an "auto stop" device
- > Controllable discharge system to purge metal contaminants from belts
- > Heavy duty, high torque hydraulically driven feed belt conveyor
- > Wear-resistant liner plates fitted to feed-in end of hopper

### 2. 预筛分

- > 运输时可液压折叠
- > 独立单层筛箱
- > 防尘罩

### 2. Pre screen

- > It is hydraulically foldable for transportation
- > Independent single-deck screen box
- > Dust cover

### 3. 圆锥破碎主机

- > 长锥的中粗破碎腔
- > 液压驱动、电控调速的圆锥式破碎主机
- > 带有监控设备，通过液压调节的悬空紧边排料口
- > 锥板表面的磨损程度指示器
- > 可自动复位的过载保护装置

### 3. Cone crusher

- > Long throw eccentric, medium coarse concave
- > Hydrostatic cone drive with electronic speed control system
- > "On the fly" hydraulically adjustable closed size setting with monitoring system
- > Mantle/concave Wear indicator
- > Tramp metal relief system with automatic reset

## NFC1000亮点展示 NFC1000 Advantage



### 连续喂料系统 Continuous Feeding System

连续喂料系统，对设备的高产量发挥了重要作用，根据主机的料位高低，振动给料机的输送频率自动调节速度，从而保证了连续、理想的喂料效果。

The continuous feeding system plays an important role in realizing high output. The conveyor frequency and speed of the vibrating feeder are automatically adjusted according to the material level of cone chamber ensuring continuous and ideal feeding performance.



### 预筛分系统 pre screen

- > 装备就双层独立与筛分机 在细料进去主机前有效筛除 不仅降低了主机的磨损，更是提高了成品的质量和产量
- > Independent screen box with double-deck effective screen out dirt material before they enters chamber cannot only reduce the wear of cone chamber, but also improve the quality and output of the final products.

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### 世界一流圆锥主机

#### World-Class Cone Chamber

- > 全球最先进的轴承式结构，减少能耗、提高产量、降低故障率
- > 多点、多面同时破碎，充分挤压，粒形较好
- > 主机转速高，大幅度提高产量
- > 软岩和硬岩都可破碎
- > 整机自动实现快慢速给料，确保主机满仓运行，实现产量和粒形的最大化
- > The most advanced bearing structure in the world helps to save energy, increase production and reduce failure rate
- > Multi-point, multi-face and simultaneous crushing helps to achieve full extrusion and good shape
- > High speed of chamber can greatly increase output
- > Suited for soft and hard rocks
- > Automatically realizes fast/slow feeding, ensuring the full load operation of chamber to maximize the output and good shape



### 金属检测系统

#### Metal Detection System

- > 带式给料机上安装有金属检测系统，自动停机系统可以在金属物进入主机前起到保护作用，排杂系统可直接将金属物排出
- > The metal detection system is installed on the belt feeder. The automatic shutdown system can protect the metal objects from entering chamber in advance. Discharge system to purge metal contaminants from belt

# NFC1000RS亮点展示 NFC1000RS Advantage



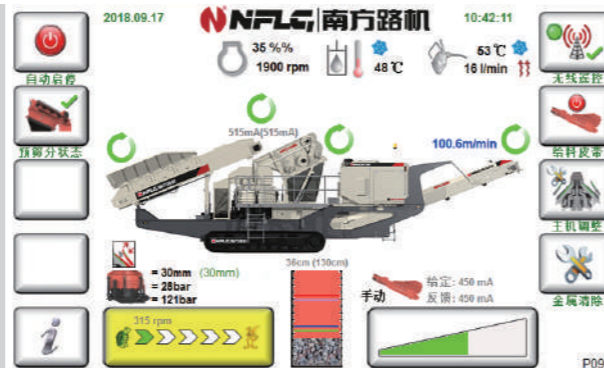
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## 回料系统 Recirculating system

- > 超规格成品料回到回料系统，进行二次破碎，确保成品质量
- > Oversized final materials return to vibrating feeder via the recirculating system for secondary crushing to ensure the quality of final products.

## 图文并茂可视化触摸屏 Visual touchscreen with images and texts

- > 人性化界面，一键启停功能，操作简单
- > 参数设定灵活性高，以满足不同应用需求
- > 发动机信息实时监控，利于现场维护与诊断
- > 通过屏幕操作所有破碎功能
- > A user-friendly interface with one-key start/stop functions and simple operation
- > The parameter settings are high flexible so as to meet the demands of different applications
- > The engine is monitored in real time, which is conducive to onsite maintenance and diagnosis
- > All crushing functions can be operated through the screen



## 移动式破碎机参数 specification

型号 Model	NFC1000	NFC1000E	NFC1000RS	NFC1300	NFC1300E	NFC1300S
型号 cone chamber	HC1000			HC1300		
圆锥头部直径 Cone head diameter (mm)	1000			1300		
最大进料尺寸 Max. output (mm)	160 (中粗标准腔 Medium coarse concave)			220 (中粗标准腔 Medium coarse concave)		
偏心轴转速(可调) speed for eccentric shaft (adjustable) (rpm)	350-394			323-357		
破碎机传动轴转速 speed for transmission shaft (rpm)	936			753		
CSS范围 CSS range (标准, mm)	6-38			9-45		
驱动 Drive	静液压 Hydrostatic	电机 Electric motor	静液压 Hydrostatic	传动轴与三角皮带 Transmission and v belt	电机 Electric motor	静液压 Hydrostatic
发动机/功率 Engine/Power (kW)	Cat C9/261	Perkins/74.5	Cat C13/328	Cat C15/390	Cummins QSB6.7/127	Cat C13/328
转速 (rpm) Speed	1900	2200	1900	1900	2200	1800
受料斗 Hopper	受料斗容量 (m³) Hopper volumn 5			8		
预筛装置 Pre screen device	预筛尺寸 (mm) Size for pre screen 1830 × 1220 (单层)			2450 × 1520 (单层)		N/A
筛箱 Screen box	筛网尺寸 (mm) Mesh size			N/A	N/A	N/A
电机 Electric motor	电机总功率 (kW) Total power			N/A	207	N/A
其它 Others	最大通过量 Max. output (mtpH)			260		
	重量 (t) Weight			38.3	45.6	40.6
运输状态尺寸 Transportation size LxWxH (m)			16.9×2.8×3.5	16.8×2.8×3.5	18.8×3.1×3.5	18.3×3.0×3.8
			18.3×3.0×3.8	18.3×3.0×3.8	15.3×3.0×3.7	

# NFC1000RS

**集破碎和筛分为一体  
鹅卵石工况最佳应用**

Integrate crushing and screening on one machine  
Best application for river gravel application

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# NFC1300S

**强劲可靠 高效节能**

Powerful, reliable and energy-efficient

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# 工程案例 Case study



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NFC1000应用于石灰岩破碎  
NFC1000 limestone application



NFC1000RS应用于玄武岩破碎  
NFC1000RS hard rock application

# 工程案例 Case study



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NFC1000E应用于石灰岩破碎  
NFC1000E limestone application



NFC1300E应用于玄武岩破碎  
NFC1300E hard rock application

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