

Tracked Mobile Screen



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Classification of the mobile screen plant

- Inclined screen: Feeding size 0-150mm
- Heavy screen: Feed size 0-500mm
- Horizontal screen: Feeding size 0-150mm

Screenable materia

- All natural stones
- Construction waste
- Iron ore
- Coal ore and crushed material

Features



10 Electric control system

- ①. Double-deck cabinet and access door system for effective protection against dust and moisture
- ②. Imported vehicle-mounted controller and dialogue processing module control
- ③. Advanced complete-set wiring harness manufacturing process, to ensure stable and durable system running
- ④. Simplify equipment failure diagnosis with code and icon instructions
- ⑤. Monitoring the engine information in real time, conducive to the field maintenance and diagnosis

1 Feeder

- ①. Variable speed belt feeder with belt width of 1,200mm
- ②. Single-layer fixed mesh (optional parts)
- ③. Double-layer vibrating mesh (optional parts)

2 Main belt conveyor

- ①. Ultra-wide belt conveyor ensures the efficient use of the screen surface, further ensuring the output

3 Three-layer screen box

- ①. The area of the screen surface is 9.3m, and the screen angle is adjustable, to ensure that the materials are distributed on the screen surface, further ensuring the screening efficiency

4 Fine material belt conveyor

- ①. Ultra-wide fine material belt conveyor, which ensures the efficient transmission, without spilling

5 Coarse material belt conveyor

- ①. Hydraulically foldable
- ②. Increase stacking height and reduce transfer times

6 Medium material belt conveyor

- ①. Combine rollers at different angles to prevent spilling
- ②. Hydraulically foldable for transportation

7 Oversized material belt conveyor

- ①. Form a closed circle crushing and screening production line at 0-75° angle
- ②. Increase stacking height and reduce transfer times

8 Track

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

9 Power system

- ①. Fuel-saving and efficient
- ②. With strong power, low-noise
- ④. Caterpillar diesel engine

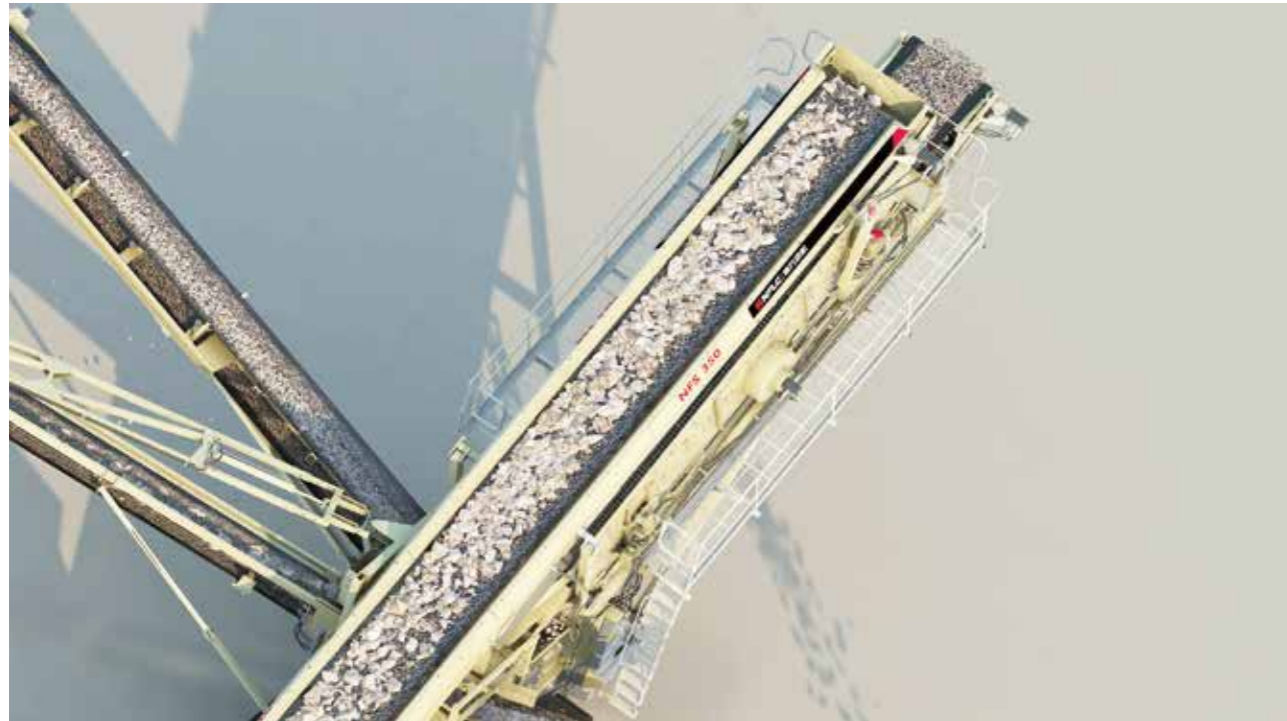
Strength as usual

High efficiency,
and high output



Advantage

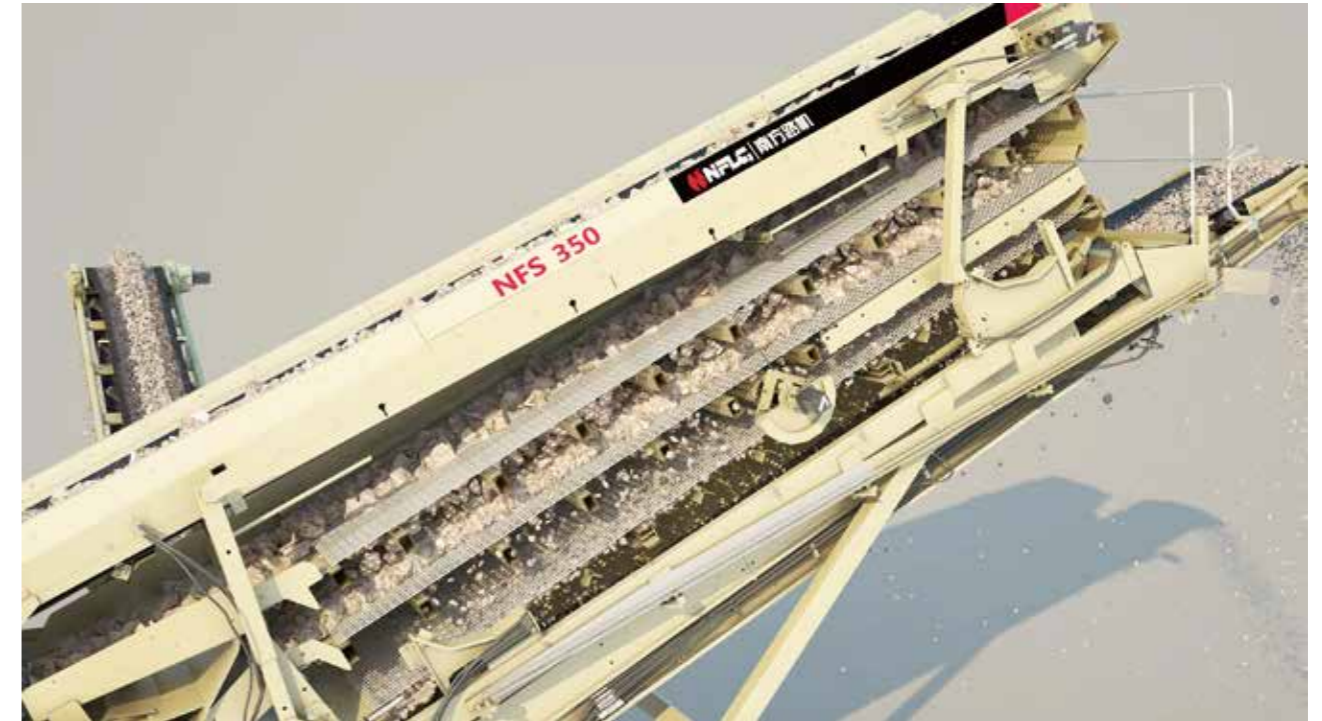
The operating walkways are provided around the screen box for easy operation and maintenance



- It can automatically walk to the ladder cart for easy transportation
- The hydraulic foldable conveyor can be quickly adjusted to transportation state without disassembly
- It can automatically walk to the mining surface on the construction site, and hydraulically unfold the conveyors for the work

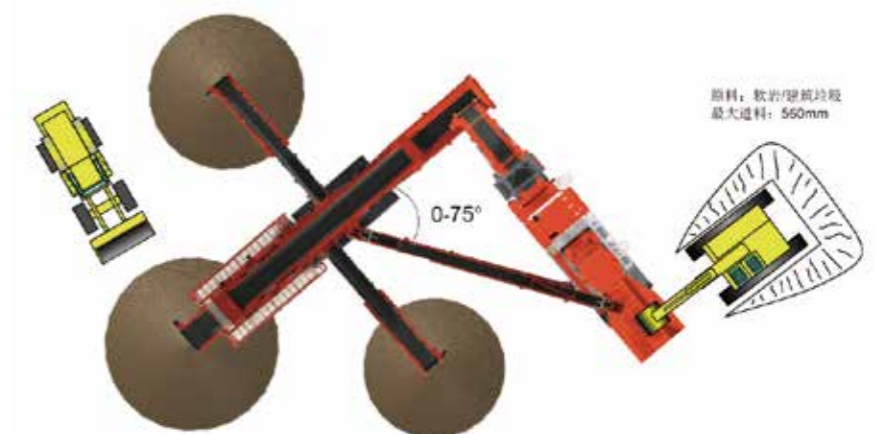


- Combine the wedge-shaped tensioning device, inspection hole and bottom the hydraulic tensioning device, to minimize the time for installation and screen mesh replacement



The area of the screen box surface is 9.3m², which is designed specifically for high output. The angle of the screen box can be adjusted hydraulically between 18° to 30°, to ensure the even distribution of the materials on the box screen, which has a higher output.

- The lengthened oversized material conveyor with standard configuration can form material stacking within 0°-75°.
- Form a circular crushing production line with track cone NFC1000, track impact NRI1111 or track impact NFI1313.



Advantage



Optional double-layer vibrating grid

Main technical parameters of mobile screening equipment

Model	NFS330	NFS550	NFS350	NFS350E	NFS550CZ	NFS780
						
Screening area (m ²)	Top layer: 5.5 Bottom layer: 4.3	Top layer: 7.3 Bottom layer: 5.4	Top layer: 9.3 Middle layer: 9.3 Bottom layer: 9.3	Top layer: 6.7 Bottom layer: 6.1	Top layer: 11.7 Middle layer: 11.7 Bottom layer: 11.7	
Max. feed size(mm)	150	500	150	300	150	
Mesh layers	2	2	3	2	3	
Screen box inclination angel	18°-39°	13°-19°	18°-30°	13°-19°	Level	
Working speed (rpm)	1200/1000	1000	1000	750	730-875 (variable speed)	
Max. output (tph)	300	500	500	200	800	
Motor speed (rpm)	2200	2200	2200	2200	2200	
Engine model/power (kW)	CAT 4.4/83	CAT 4.4/83	CAT 4.4 97	CAT 4.4 97 Dual-motor: 37×2	CAT 4.4/97	CAT 7.1/151
Weight (t)	25.0	32.0	36.0	37.5	32.0	44.5
Transport size L×W×H (m)	9.7×3.0×3.3	14.7×3.0×3.4	19.3×3.0×3.5	14.7×3.0×3.4	18.9×3.0×3.5	

NFS550 high-performance screen box can be installed with a variety of screen meshes, including grate screens, finger screens, mesh screens, perforated screens and needle screens.

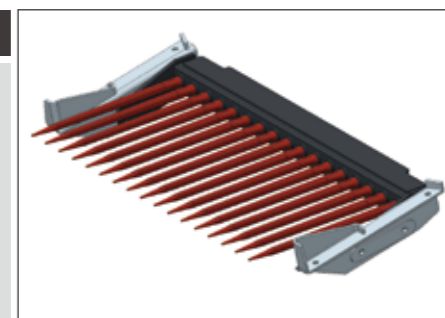
Grizzly screen

- It is welded with wear-resistant steel plate and mainly used for screening of large blocks in heavy load conditions.



Waterfull screen

- Self-cleaning, and anti-clogging



Perforated screen

- It is made of wear-resistant steel plate, with the round, square, rectangular or hexagonal mesh holes; It is mainly used for the heavy stripping and screening conditions that cannot be handled by aggregate screen.



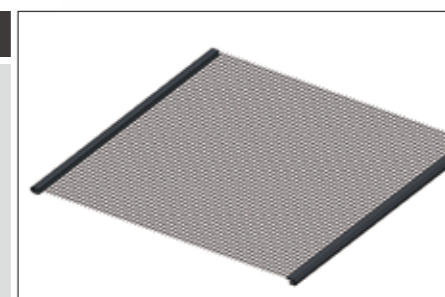
Bar screen/finger screen

- It is assembled with spring steel, mainly used for viscous aggregate applications with more soil and mud and can withstand certain heavy loads.



Woven screen

- It is woven longitudinally and horizontally by wear-resistant steel wire, which is mainly used for ordinary aggregate screening.



Case Study



NFS350's application of the screening of the gravel and aggregate from the road and bridge construction in Shandong Province



NFS350's application of the screening of finished soft rock and aggregate



Finished product screen NFS350

Highlights

- Maximum feeding: 150mm
- Maximum throughput: 500t/h
- Can produce 4 kinds of finished materials

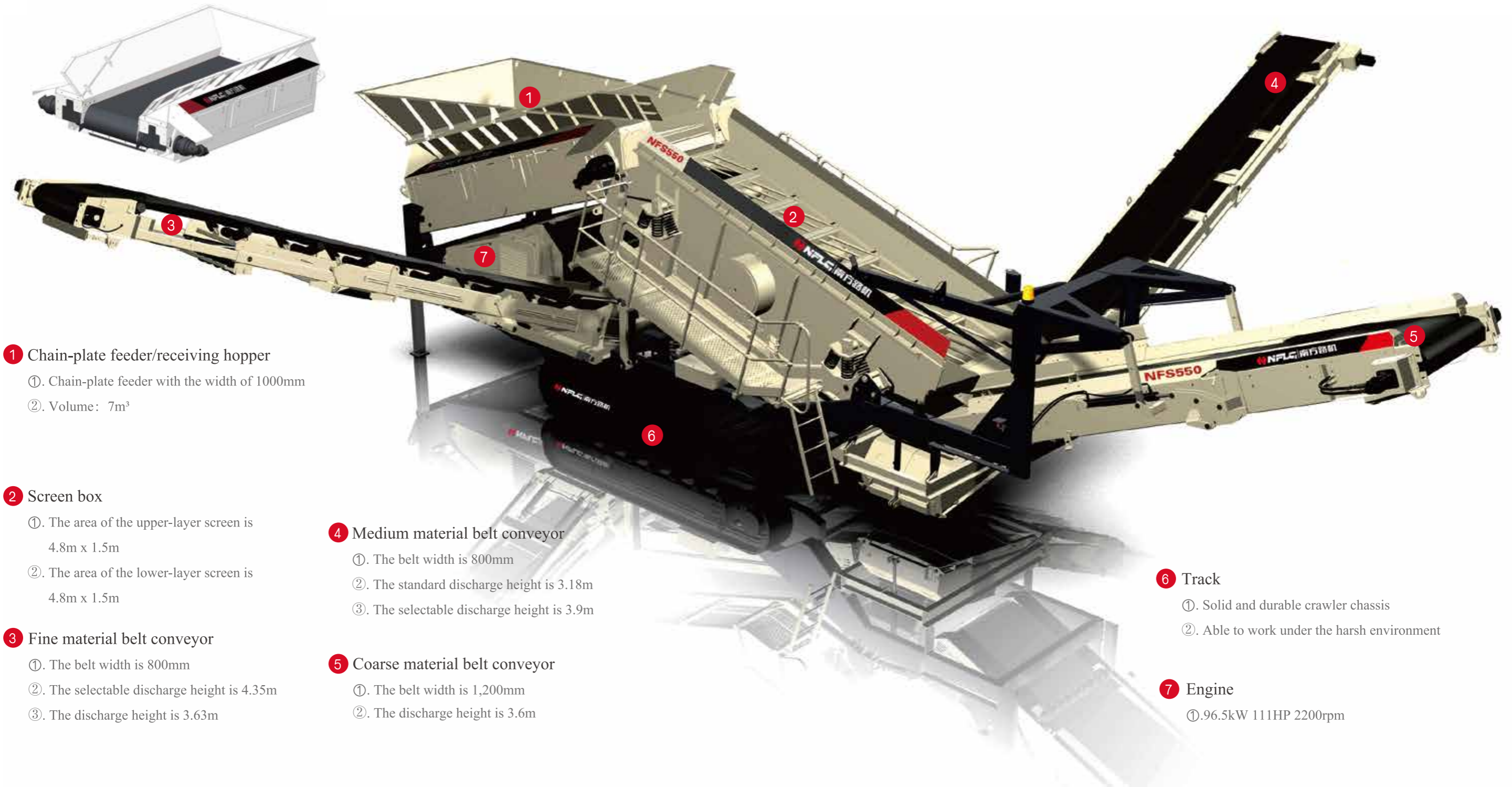


NFS350's application of the pebble and rover sand screening of riverway in Gansu Province



NFS350's application of the screening of finished hard rock and aggregate

NFS550 Introduction for Key Components



1 Chain-plate feeder/receiving hopper

- ①. Chain-plate feeder with the width of 1000mm
- ②. Volume: 7m³

2 Screen box

- ①. The area of the upper-layer screen is 4.8m x 1.5m
- ②. The area of the lower-layer screen is 4.8m x 1.5m

3 Fine material belt conveyor

- ①. The belt width is 800mm
- ②. The selectable discharge height is 4.35m
- ③. The discharge height is 3.63m

4 Medium material belt conveyor

- ①. The belt width is 800mm
- ②. The standard discharge height is 3.18m
- ③. The selectable discharge height is 3.9m

5 Coarse material belt conveyor

- ①. The belt width is 1,200mm
- ②. The discharge height is 3.6m

6 Track

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

7 Engine

- ①. 96.5kW 111HP 2200rpm

NFS550CZ Flip-Flow Screen



Flip flow screen at the bottom
Selectable size of screen surface
The friction wedge is tensioned, without bol



3D perforated screen is equipped standardly
Intelligent design, without blockage
It is used for ensuring the maximized screening of fine materials



Heavy and wear-resistant chain-plate feeder
Ideal selection for heavy large material feeding



The discharge end of the screen box can be lifted hydraulically for 500mm, which is easy to replace the screen

NFS550 Case Study

The throughput is 500t per step hour

Highlights

- Maximum feeding: 500mm
- Can produce 3 kinds of finished materials



NFS550's application of soil removal



NFS550's application of the classification of building wastes



NFS550's application of the classification of stale and viscous building wastes



NFS550's application of the screening of coal gangue



NFS550's application of the screening of raw ore of high-calcium stone

Case Study



1 | 2
3

- 1. NFNFS350-Xinjiang-gobi sand and water washing and screening treatment
- 2. NFS550-Yunnan- muck separation
- 3. NFS550-Beijing- NFS550- disposal of building waste

NFS550CZ

Release of new products

More cost-effective investment
with dual-purpose screen

NFS550CZ changes the stripping screen box
as the recycled flip flow screen box with 3D design
and high performance based on the original NFS550



It is specifically for the screening of the wet
materials, with good anti-blocking effect

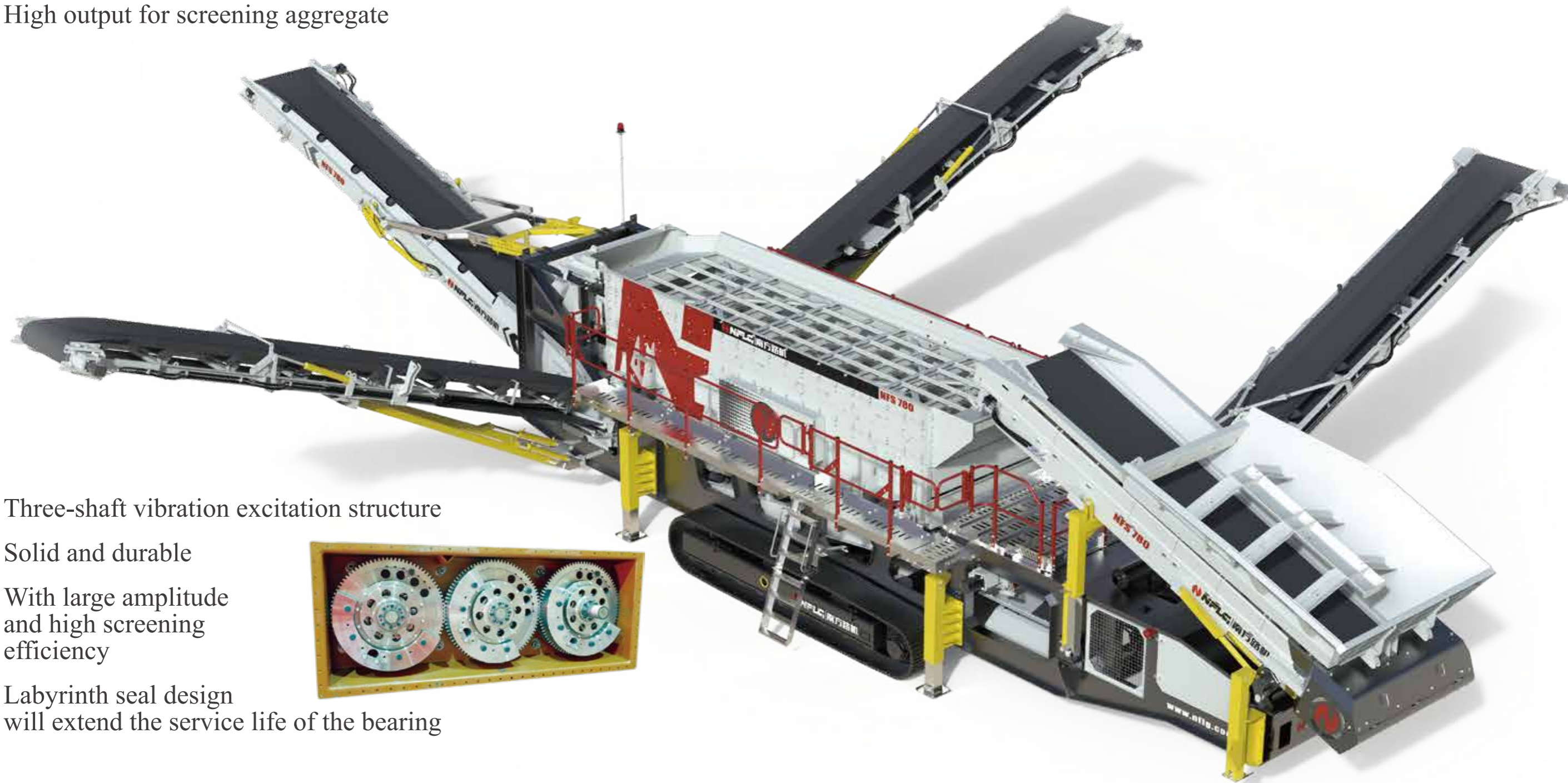
- Asphalt reclaimed material screening
- Incinerator slag
- Discarded metal and scrap electronic products
- Building waste C&D and commercial industry C&I
- Surface muck
- Light or heavy crushed materials
- Municipal solid waste (MSW)

NFS780

Release of new products

Conqueror of accurate screening

High output for screening aggregate



Three-shaft vibration excitation structure

Solid and durable

With large amplitude
and high screening
efficiency

Labyrinth seal design
will extend the service life of the bearing

NFSD1542



Release of new products

Economic and durable

It is used together with NFS350

Output four kinds of materials



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