

SF-380D

MOBILE IMPACT CRUSHER

Efficient secondary crushing for recycling and aggregate sites



150-240 t/h

Processing capacity

600 mm

Maximum feed size

250 kW

Impact crusher power

Compact mobility. Serious impact power.

A crawler-mounted impact crushing system combining large feed acceptance, controlled recirculation and intelligent operation.

The SF-380D Mobile Impact Crusher is a crawler-mounted secondary crushing plant engineered for soft rock, construction waste, asphalt and medium-hard mineral applications. It combines a heavy-duty feeder, 1214 impact crusher, return screening system, multiple conveyors and intelligent controls within one compact mobile platform.

150-240 t/h

Complete-machine processing capacity

240 t/h

Rated feeding capacity

48.5 t

Complete machine weight

308.3 kW

Total crushing-operation power

Built for mobile secondary crushing

- Construction-waste recycling
- Quarry and mining support
- Asphalt and road-material recovery
- Remote or short-duration projects

Final throughput depends on material hardness, moisture, feed grading, recirculation load and required product size.

Integrated tracked crushing platform

Feeding, impact reduction, magnetic separation, return screening and conveying are arranged within one mobile unit.

1 Hopper & feeder

3-deck screen 4

2 Impact crusher

Product conveyors 5

3 Power & controls

Tracked chassis 6



1-2

Pre-screened feed and impact reduction

3

Power generation and operating control

4

Oversize return screening

5

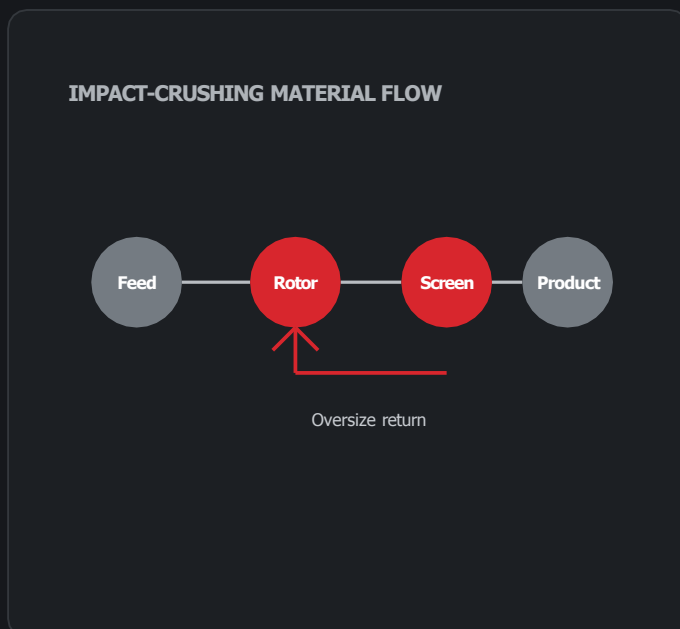
Product discharge and recirculation

6

Tracked mobility

High-speed impact, controlled recirculation

Material is accelerated by the rotor, repeatedly impacted against breaker plates and discharged once the target size is reached.



Efficient secondary reduction

Material entering the chamber is struck by the rapidly rotating rotor and redirected toward impact plates. Repeated collision produces progressive size reduction. The adjustable breaker-plate arrangement and return circuit help control product grading while reducing unnecessary external handling.

- Pre-screening helps remove selected fines before the main crusher.
- Hydraulic and intelligent controls support safer adjustment and monitoring.
- The return screen limits oversize discharge and stabilizes product quality.

Designed for fast site productivity

Integrated functions reduce equipment count, setup time and internal material transfer.

Large feed acceptance



The 1380 x 1000 mm impact-crusher inlet handles feed material up to 600 mm.

Production-focused capacity



A machine processing range of 150-240 t/h supports recycling and aggregate projects.

High-energy impact crushing



The 250 kW crusher drive supports rapid rotor acceleration and effective secondary reduction.

Integrated return circuit



A single-layer hanging screen and return conveyor help control oversize material.

Crawler mobility



The LDZ55-3657 tracked chassis supports relocation on uneven and space-constrained sites.

Flexible power options



External-power and diesel-generator configurations can be selected for different project conditions.

Feeding and crushing specifications

Core parameters for raw-material intake and high-energy impact reduction.

FEEDING SYSTEM		IMPACT CRUSHER	
Feeding capacity	240 t/h	Crusher model	1214
Hopper volume	5 m³	Feed inlet	1380 x 1000 mm
Feeder power	4.5 x 2 kW	Maximum feed size	600 mm
Feeder size	3550 x 1280 mm	Discharge adjustment	0-150 mm
Feeding height	3850 mm	Crusher weight	18 t
		Crusher power	250 kW

Impact-crushing configuration

The 1214 impact crusher combines a 1380 x 1000 mm inlet with a 250 kW drive. Final performance should be confirmed against feed hardness, abrasiveness, moisture and required discharge grading.

Return screening and conveyor specifications

The integrated return circuit supports oversize control and organized material discharge.

RETURN SCREENING

Hanging screen	4600 x 2160 mm
Screen power	3.7 x 2 kW
Number of layers	1
Screen size	4000 x 1540 mm
Transition belt	1750 x 770 mm
Transition belt power	3 kW

CONVEYOR SYSTEM

Main belt	9600 x 1600 mm
Main discharge height	2900 mm
Main belt power	9.2 x 2 kW
Finished-material belt	5200 x 1350 mm
Finished discharge height	2600 mm
Finished belt power	5.5 x 2 kW
Return conveyor belt	6400 x 770 mm
Return conveyor power	5.5 kW



Single-layer return-screen module

The hanging screen and return conveyor route oversize material back toward the impact crusher while conforming material continues to the finished-product conveyor.

Mobility, power and operating envelope

Machine-level data and configuration options for site planning, transport and deployment.

MAGNETIC SEPARATOR

Separator size	2100 x 910 mm
Separator power	4 kW

COMPLETE MACHINE

Track chassis	LDZ55-3657
Engine power	100 kW
Machine weight	48.5 t
Processing capacity	150-240 t/h
Total crushing power	308.3 kW
Working dimensions	16600 x 3500 x 4000 mm
Transport dimensions	16600 x 3500 x 3750 mm

Power options

Single Power



EXTERNAL SUPPLY

For sites with stable grid or generator supply.

Dual Power



DIESEL GENERATOR

For projects requiring greater energy independence.

AVAILABLE EMISSION PACKAGES



China III



China IV



EPA Tier 4



Euro V

Versatile across recycling and quarry sites

The SF-380D is suited to medium-hard materials and projects requiring mobile secondary crushing capacity.

C&D Recycling



Processes concrete, bricks and demolition rubble into reusable aggregate for urban projects.

Asphalt Recycling



Reduces reclaimed asphalt and old road material for reuse and cost control.

Quarry Support



Provides flexible secondary crushing for temporary or mobile quarry production.

Mining Projects



Supports auxiliary crushing where equipment must move between working faces.

Remote Job Sites



Combines fast setup and compact mobility for short-term or space-limited projects.

Standalone or Combined



Operates independently or together with external screening and stockpiling equipment.

Typical feed materials



Concrete



Asphalt



Brick



Limestone



Rubble



Medium-hard rock



Recycled aggregate

Plan the site. Protect the uptime.

A disciplined setup and maintenance routine supports safe operation, stable crushing and reliable product flow.

1

SITE PREPARATION

Confirm bearing capacity, access, working width, discharge zones and safe circulation routes.

2

PRE-START CHECK

Inspect crusher chamber, feeder, belts, return screen, guards, lubrication and emergency stops.

3

START-UP

Start downstream conveyors before the crusher and feeder; increase feed progressively.

4

PRODUCTION CONTROL

Monitor crusher load, return volume, belt tracking, vibration and product grading.

5

SHUTDOWN

Stop feed first, clear the circuit, isolate energy and clean under approved procedures.

Service & lifecycle support

- 12-month warranty support
- Installation and operator training
- Remote diagnostics and technical guidance
- Spare and wear parts supply
- Crusher wear-part and rotor maintenance planning
- Belt, screen and lubrication inspection guidance

PROJECT DATA FOR SELECTION

- ☐ Raw material
- ☐ Required capacity (t/h)
- ☐ Maximum feed size
- ☐ Required output size
- ☐ Power availability
- ☐ Destination and emission standard

IMPACT POWER. MOBILE PRODUCTIVITY.

SF-380D Mobile Impact Crusher

SUHMAN Engineering Machinery Co., Ltd.



Feixi County Economic Development Zone, Hefei, Anhui, China

ISO 9001:2015 / CE CERTIFIED

Tel: +86 136 5555 0150

Web: <https://suhmanme.com>

Specifications and appearance may change as part of continuous product development.