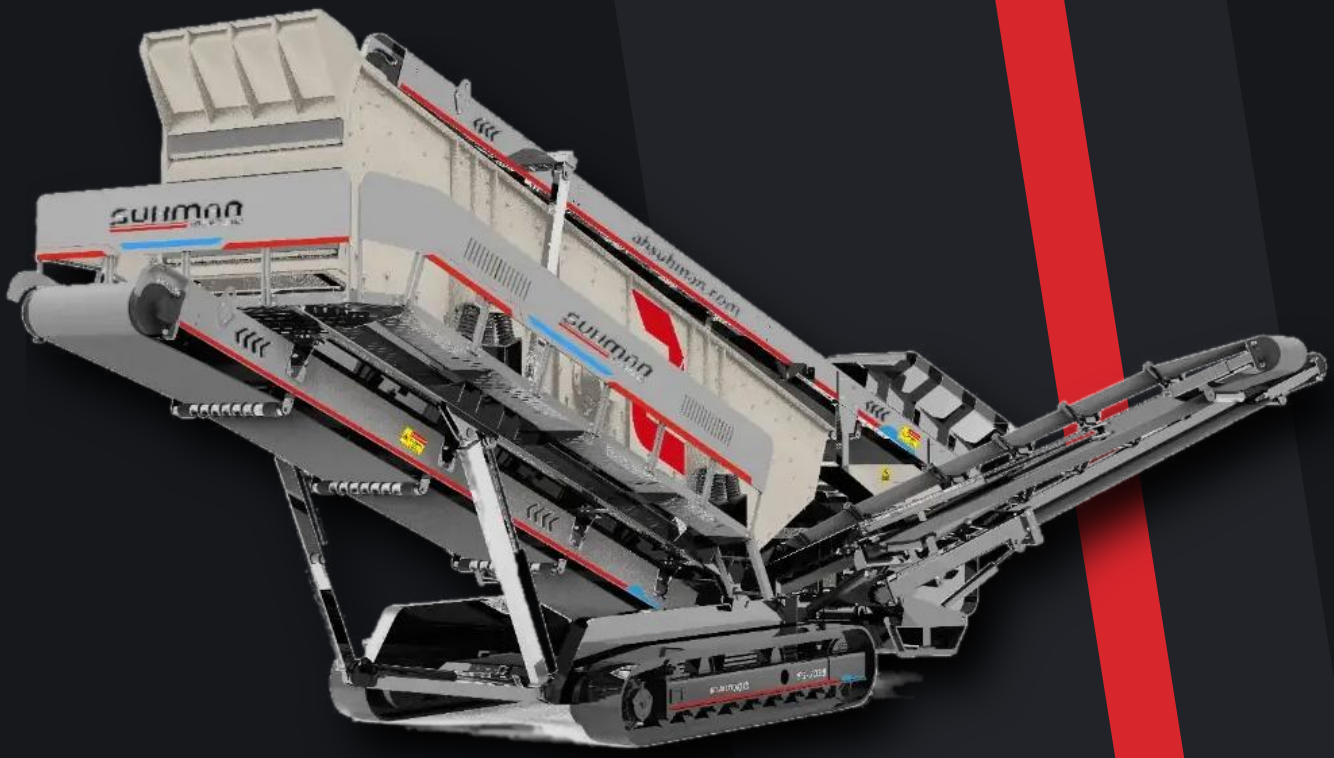
SS-7018

MOBILE INCLINED VIBRATING SCREENING PLANT

High-throughput mobile classification for up to four fractions



220-320 t/h
Machine processing capacity

100 mm
Maximum feed size

3 decks
Up to four fractions

01 / PRODUCT OVERVIEW

Classify more material, in less space

A high-capacity mobile screening platform combining three-deck separation, tracked mobility and integrated product conveyors.

The SS-7018 is a crawler-mounted inclined vibrating screening plant engineered for high-throughput aggregate sizing, mining pre-screening, construction-waste recycling and infrastructure projects. Its 7000 x 1800 mm three-deck screen separates material into as many as four fractions while the integrated hopper, conveyors, tracked chassis and power system simplify deployment and stockpile management.

320 t/h

Rated feeding capacity

320 t/h

Screen processing capacity

32.5 t

Complete machine weight

7000 x 1800 mm

Vibrating screen size

Designed for mobile aggregate classification

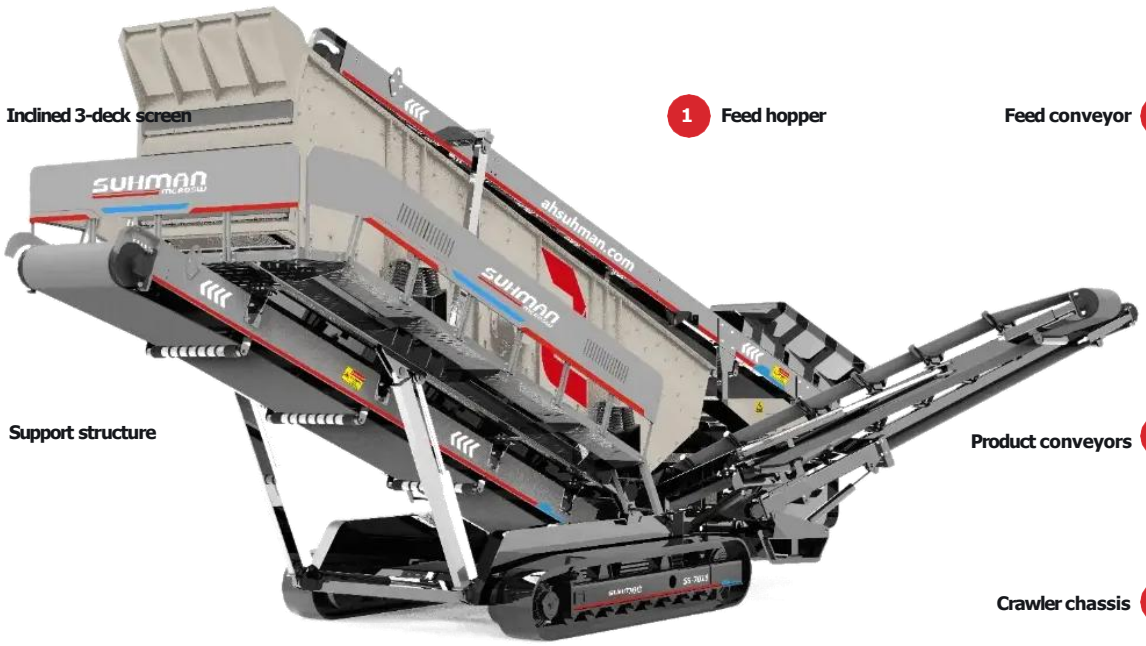
- Quarry and aggregate production
- Mining pre-screening
- Construction-waste recycling
- Road, rail and dam projects

Actual capacity depends on feed grading, moisture, screen aperture, material shape, deck loading and operating practice.

02 / SYSTEM ARCHITECTURE

Integrated mobile screening platform

Material is received, distributed, classified and discharged through dedicated product conveyors.



1	Material receiving	2	Three-deck size classification
3	Controlled material delivery	4	Separated product discharge
5	Structural support and access	6	Tracked mobility

03 / WORKING PRINCIPLE

Stratify, separate and discharge

Inclined multi-deck screening combines vibration, gravity and screen apertures to classify material efficiently.

01

FEED

Material enters the hopper and is transferred evenly toward the screen.

02

STRATIFY

Vibration loosens the bed so finer particles move downward through the material layer.

03

SEPARATE

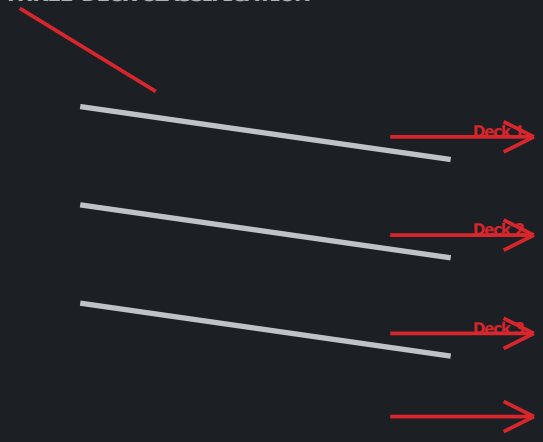
Each deck retains oversize particles while smaller material passes through the selected mesh.

04

DISCHARGE

The separated fractions leave through dedicated conveyors for stockpiling.

THREE-DECK CLASSIFICATION



High-capacity fraction separation

Vibratory motion and the inclined screen angle move material progressively across each deck. The bed stratifies as it travels, allowing smaller particles to pass through selected apertures. Oversize remains above the mesh and is discharged separately, producing as many as four fractions from three decks.

- The inclined deck promotes continuous material movement.
- Multiple decks reduce the need for separate screening machines.
- Dedicated conveyors maintain separation between finished products.

04 / ENGINEERING ADVANTAGES

Designed for productive mobile screening

A large screen area, multiple decks and integrated conveyors simplify high-volume material classification.

Four-fraction capability

A three-deck screen can separate incoming material into up to four product sizes in one pass.

High-throughput screening

The complete machine is designed for a 220-320 t/h operating range, subject to material and mesh selection.

Large screening area

A 7000 x 1800 mm inclined screen provides extensive classification area for efficient material stratification.

Mobile deployment

The LDZ55-3657 crawler chassis supports self-propelled relocation across quarry, recycling and project sites.

Integrated conveyors

Dedicated product conveyors separate screened fractions and support organized stockpile formation.

Flexible power options

Single-power and dual-power arrangements can be selected to match the available site energy supply.

05 / TECHNICAL DATA

Feeding and screening specifications

Core parameters for raw-material receiving and three-deck classification.

FEEDING SYSTEM	
Feeding capacity	**320 t/h**
Hopper volume	**5 m3**
Maximum feed size	**100 mm**
Feeding height	**2700 mm**

VIBRATING SCREEN	
Screen model	**7018**
Screen size	**7000 x 1800 mm**
Processing capacity	**300 t/h**
Number of decks	**3**
Screen power	**9.5 x 2 kW**

Screening configuration note

Screen apertures, deck arrangement and mesh type should be selected according to feed grading, moisture, required cut sizes and material abrasiveness. Final capacity is application-dependent.

05 / TECHNICAL DATA

Conveyor and machine specifications

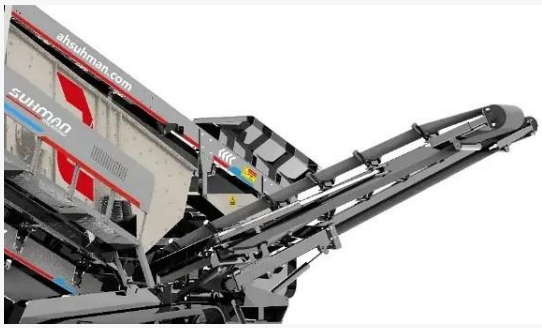
Integrated discharge conveyors organize multiple finished fractions and support independent stockpiles.

MAIN & PRODUCT BELTS

Main belt	**10800 x 1350 mm**
Main belt power	**5.5 x 2 kW**
Finished-material belt	**7000 x 1350 mm**
Finished discharge height	**2700 mm**
Finished-belt power	**7.5 kW**

SIDE CONVEYORS

Conveyor A	**7280 x 800 mm**
Conveyor A discharge	**2900 mm**
Conveyor A power	**5.5 kW**
Conveyor B	**7280 x 800 mm**
Conveyor B discharge	**2900 mm**
Conveyor B power	**5.5 kW**
Conveyor C	**5050 x 800 mm**
Conveyor C discharge	**2800 mm**
Conveyor C power	**5.5 kW**



Multi-conveyor product handling

The main, finished-material and side conveyors route screened fractions to separate discharge points. This layout helps maintain product separation and reduces secondary handling.

Mobility, power and operating envelope

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

TRANSITION & MOBILITY	
Transition belt	**1750 x 770 mm**
Transition-belt power	**3 kW**
Track chassis	**LDZ55-3657**
Engine power	**90 kW**

COMPLETE MACHINE	
Machine weight	**32.5 t**
Processing capacity	**220-320 t/h**
Total power	**57 kW**
Working dimensions	**14300 x 13000 x 5230 mm**
Transport dimensions	**14800 x 3750 x 3950 mm**

Power options

Single Power

EXTERNAL SUPPLY

For sites with a stable external electrical supply.

Dual Power

DIESEL GENERATOR

For projects requiring greater power independence.

AVAILABLE EMISSION PACKAGES

- **China III**
- **China IV**
- **EPA Tier 4**
- **Euro V**

07 / APPLICATIONS

Versatile across aggregate and recycling sites

The SS-7018 supports high-throughput material classification wherever multiple product sizes are required.

Quarries & Aggregates

Separates crushed stone into multiple product sizes for concrete, asphalt and road-base production.

Mining Sites

Pre-screens blasted ore to reduce downstream crusher load and improve plant throughput.

C&D Waste

Sorts brick, concrete and mixed demolition material into reusable size fractions.

Recycling Facilities

Processes reclaimed concrete and asphalt while separating usable aggregates from fines.

Infrastructure

Provides on-site screening for road, rail and dam construction materials.

Mobile Stockpiling

Creates separated stockpiles with reduced transfer equipment and faster site setup.

Typical feed materials

- Crushed stone
- Blasted ore
- Concrete
- Brick
- Asphalt
- Sand & gravel
- Mixed recycled aggregate

Plan the screen. Protect the uptime.

A disciplined setup and maintenance routine supports stable throughput, accurate grading and safe operation.

1

SITE PREPARATION

Confirm ground bearing capacity, access, deployment width and safe product-stockpile zones.

2

PRE-START CHECK

Inspect mesh tension, screen supports, belts, rollers, guards, lubrication and emergency-stop devices.

3

START-UP

Start discharge conveyors before the screen and feed system; increase material flow progressively.

4

PRODUCTION CONTROL

Monitor deck loading, product grading, mesh condition, vibration, belt tracking and stockpile clearance.

5

SHUTDOWN

Stop feed first, allow the decks and conveyors to clear, isolate energy and clean retained material safely.

Service & lifecycle support

- 12-month warranty support
- Installation and operator training
- Remote diagnostics and technical guidance
- Spare and wear parts supply
- Screen media selection and replacement guidance
- Conveyor and vibration-system inspection support

PROJECT DATA FOR SELECTION

- ☐ Raw material
- ☐ Required capacity (t/h)
- ☐ Maximum feed size
- ☐ Required product sizes
- ☐ Moisture and fines content
- ☐ Power and emission requirements

SCREEN MORE.
MOVE FASTER.

SS-7018 Mobile Inclined Vibrating Screening Plant

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ISO 9001:2015 / CE CERTIFIED