FABO
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

MVSI-1000

SEMI-MOBILE VERTICAL SHAFT IMPACT CRUSHER



1. **Crusher Feed Hopper**
   – Maximum Feed Size: 100 mm
   – Wear Liners: Included
   – Liner Type: Bolted
2. **Crusher Rotor and Anvil System**
   – Rotor Type: Open Rotor
   – Rotor Diameter: 1000 mm
   – Anvil System: Replaceable
3. **Automatic Lubrication System**
   – Control Panel: Timer-Controlled
   – Reservoir Capacity: 6 Litres
   – Origin: Italy
4. **Rotor Inspection Hatch**
   – Equipped with an inspection hatch for monitoring the interior of the crusher.



5. **Hydraulic Control Unit**
   – Drive Type: Hydraulic Oil System
   – Pressure Gauge: Included
   – Motor Power: 3 kW
6. **Motor**
   – Motor Power: 2 × 250 kW
   – Speed: 1500 RPM
7. **Chassis**
   – Service Platform: Included
   – Dimensions: 5500 × 2185 × 2595 mm
   – Manufactured with a reinforced chassis structure.

TECHNICAL SPECIFICATIONS

FEATURES	DATA
Crusher	VSI-1000 Vertical Shaft Crusher
Maximum Feed Size	100 mm
Rotor Diameter	Ø 1000 mm
Adjustment Type	Hydraulic

FEATURES	DATA
Speed	50-70 m/h
Capacity	150-400 TPH
Drive	Electric Drive via V-Belts

Note: All weights and dimensions are applicable to standard units only.

TRANSPORT DIMENSIONS



OPERATING DIMENSIONS



Weight : 70000 kg

The information in this document is for informational purposes only and is subject to change without prior notice. FABO Global does not accept any responsibility for errors or omissions in this document or for the use of the information provided herein. Due to our continuous product development process, we reserve the right to change technical specifications without prior notice. The product performance data provided in this brochure is for guidance only; this information does not constitute an explicit or implied warranty or commitment, but rather shows test samples. Results may vary depending on the application. Photos are for promotional purposes only; some or all of the machines in the visuals may be equipped with optional additional equipment. For detailed information about optional equipment, please contact us.

© FABO GLOBAL. All rights reserved. (Tüm hakları saklıdır.)

MVSI-1000 SEMI-MOBILE VERTICAL SHAFT IMPACT CRUSHER

SUPERIOR CRUSHING PERFORMANCE. MAXIMUM PRODUCTION POWER.

The MVSI-1000 Semi-Mobile Vertical Shaft Impact Crusher is a semi-mobile VSI crushing solution engineered for the production of high-quality cubical aggregates. Thanks to its advanced rotor technology, it delivers superior crushing performance, consistent product quality, and high production efficiency.
With a production capacity of 250–400 TPH, the MVSI-1000 offers fast installation, easy site adaptation, and outstanding operational flexibility through its semi-mobile design. Its robust construction, low maintenance requirements, and reliable performance make it an ideal solution for continuous production under demanding operating conditions.

KEY FEATURES:

- Powerful crushing performance with high capacity and low operating costs
- High efficiency and superior cubical product quality thanks to the specially designed rotor and optimized feed geometry
- Extended service life with wear-resistant rotor and internal wear parts
- Reduced maintenance time and downtime with the optional automatic central lubrication system
- Reliable operation in ambient temperatures up to 40–50°C
- Transport and operating dimensions compliant with European road regulations
- Low energy consumption and optimized operating costs
- Easy operation, fast commissioning, and safe operation with a PLC-based automation system
- Production of high-quality cubical aggregates for concrete, asphalt, and aggregate applications
- Robust chassis design for long service life under demanding operating conditions

PRODUCTION CAPACITY:

250–400 TPH

SPECIFICATIONS	DATA
Equipment:	VSI-1000 Vertical Shaft Impact Crusher Vibrating Screen
Rotor Diameter:	Ø 1000 mm
Maximum Feed Size:	100 mm
Vibrating Screen Size:	2200 x 5500 x 4 mm
Transport Dimensions:	21300 mm (Length) 4500 mm (Width) 4500 mm (Height)
Weight	70000 kg

2 Belt Feeder
– Length: 5000 mm
– Width: 1000 mm
– Motor Power: 7.5 kW / 2 units
– Equipped with standard wear-resistant liner plates
– Its grizzly structure acts as a pre-screen, allowing smaller-sized material to be separated and discharged through the bypass conveyor.
– The up-and-down and forward-and-backward movement of the conveyor is controlled by a hydraulic control system.

3 VSI-1000 Vertical Shaft Impact Crusher
– High-performance vertical shaft impact crusher with a maximum feed size of 100 mm
– Easy maintenance and convenient replacement of spare parts

4 Long Return Conveyor
– Length: 10450 mm
– Width: 500 mm
– Motor Power: 7.5 kW
– 1 unit of 10 mm endless chevron conveyor belt
* Hydraulic piston control (optional)

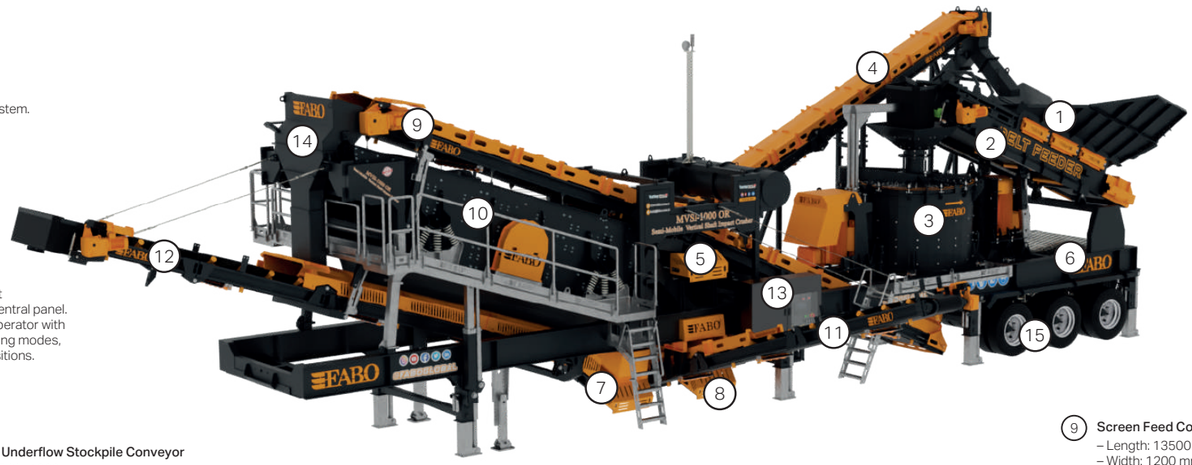
5 Small Return Conveyor
– Length: 2800 mm
– Width: 500 mm
– Motor Power: 4 kW
– 1 unit of 10 mm endless conveyor belt

1 Hopper
– 8 m³ capacity
* Wear-resistant liner plates

15 Axle System
– Manufactured with a 3-axle system.

14 * Flap (Optional)
– Dimensions: 1500 × 240 mm
– Protective Liners: Included
– Hydraulic Covers: Included

13 Control System
– Controls all main equipment through a PLC-controlled central panel. This system provides the operator with precise control over operating modes, equipment speeds, and positions.



6 Chassis
– Heavy-duty welded frame mounted on the chassis

7 Right Stockpile Conveyor-1
– Length: 8500 mm
– Width: 500 mm
– Motor Power: 5.5 kW
– 1 unit of 10 mm endless chevron conveyor belt
* Hydraulic piston control (optional)

8 Right Stockpile Conveyor-2
– Length: 8500 mm
– Width: 500 mm
– Motor Power: 5.5 kW
– 1 unit of 10 mm endless chevron conveyor belt
* Hydraulic piston control (optional)

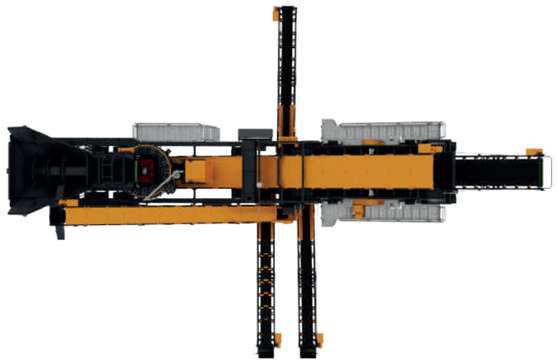
12 Screen Underflow Stockpile Conveyor
– Belt Width: 1200 mm
– Belt Length: 9600 mm
– Motor Power: 11 kW
– 1 unit of 10 mm endless conveyor belt
– The screen underflow stockpile conveyor enables the stockpiling of the finest material passing through the vibrating screen.
* Hydraulic piston control (optional)

11 Left Stockpile Conveyor
– Length: 8100 mm
– Width: 500 mm
– Motor Power: 5.5 kW
– 1 unit of 10 mm endless conveyor belt
* Hydraulic piston control (optional)

10 Vibrating Screen
– Dimensions: 2200 × 5500 × 4 mm
– Motor Power: 30 kW / 1 unit
– The 4-deck screen separates materials into different size fractions.
– The screen frame of the vibrating screen is designed with a hydraulic piston to suit on-site operation and transportation conditions and is controlled by a hydraulic system.

9 Screen Feed Conveyor
– Length: 13500 mm
– Width: 1200 mm
– Motor Power: 15 kW
– 1 unit of 12 mm endless conveyor belt
– Ensures smooth and continuous feeding of the screen, enabling efficient material classification (separation according to size).
– Typically positioned before the vibrating screen.
* Hydraulic piston control (optional)

* OPSİYONEL



A durable and transportable solution designed for maximum performance in field applications.



High-speed rotor technology ensures superior cubical product quality.

STANDARD FEATURES



The 4-deck, 2200 × 5500 mm vibrating screen enables the efficient separation of up to four different product fractions simultaneously.



User-friendly PLC control system with a full-color touchscreen display.



Provides safe and stable transportation with a 3-axle chassis system equipped with dual tires and brakes.



The flap system allows the crusher discharge material to bypass the screen and be directly stockpiled, increasing production flexibility.



The flap chute system allows oversized return material to be directed either to the bunker or directly to the stockpile according to operational requirements.



3 m³ Hopper
* 4 m³ Additional covers are available as an option. With additional hopper covers, the total capacity can be increased up to 7 m³.

© FABO GLOBAL. All rights reserved. (Tüm hakları saklıdır.)