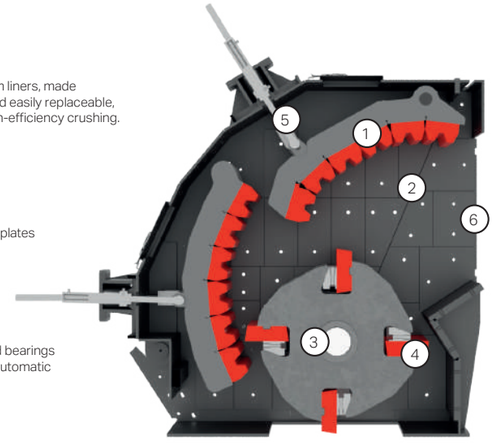
FABO
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

PRO-100

SEMI-MOBILE CRUSHING & SCREENING PLANT



1. The newly designed pendulum liners, made from high-strength material and easily replaceable, play a key role in achieving high-efficiency crushing.
2. High-durability side wall impact plates
3. The heavy-duty rotor shaft and bearings are equipped with a standard automatic lubrication system.



4. Rotor blades with high strength and robust construction allow for long-term use. The blades can be reversed to optimize efficiency.
5. The crushing distance (CSS) between the pendulum plates and the rotor blades can be hydraulically adjusted to achieve maximum efficiency.
6. In the crusher with a Ø1200×1000 mm rotor, the cover piston engages during heavy material loading to prevent blockages.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DATA
Crusher	Impact Crusher
Max. Feed Size	600 mm
Rotor Dimensions	Ø 1200x1000 mm
Adjustment Type	Hydraulic
Drive	Electric via V-Belts

SPECIFICATIONS	DATA
Electric Motor	1450 RPM, 200 kW / 268 HP

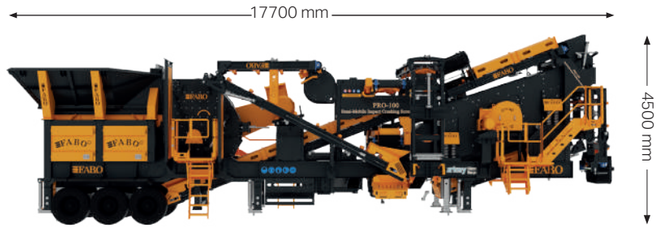




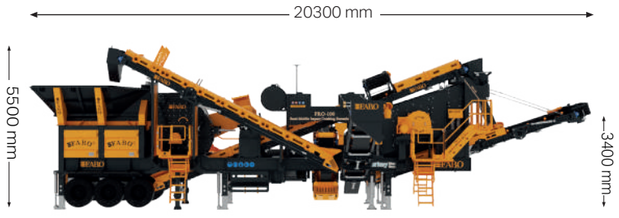
Note: All weights and dimensions apply only to standard units.

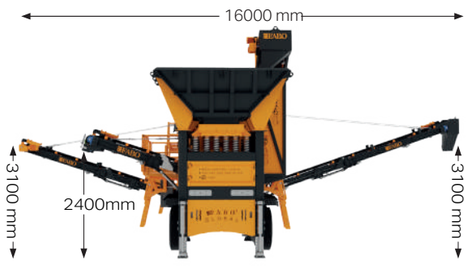
TRANSFER DIMENSIONS





OPERATING DIMENSIONS





Weight : 50.000 kg

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PRO-100 SEMI-MOBILE CRUSHING AND SCREENING PLANT

HIGH-PERFORMANCE MOBILE CRUSHING AND SCREENING POWER, WHEREVER YOU ARE!

The PRO-100 semi-mobile crushing and screening plant is a mobile solution that delivers high performance on-site. Its easily transportable design allows for rapid setup at different locations, enabling production to start in a short time.

With a production capacity of 130–180 tons per hour, it is ideal for medium-scale projects. Its durable construction and automation system ensure high-quality output while reducing operating costs. Suitable for various industries such as construction, mining, and recycling, the PRO-100 combines mobility with efficiency, offering businesses a flexible and powerful production solution.

KEY FEATURES:

- Powerful and economical performance
- * Optional automatic lubrication system to reduce maintenance time
- * Operates at ambient temperatures up to 40–50°C without requiring oil changes
- Special inlet geometry of the crusher unit ensures optimal material feeding, while the tested rotor blades provide long-lasting high-impact performance and superior product quality
- Transport and operating dimensions compliant with European standards
- Designed for fuel efficiency and low operating costs

PRODUCTION CAPACITY:

130-180 T/H

SPECIFICATIONS	DATA
Equipment:	Impact Crusher
Feed Opening:	1000 mm x 900 mm
Max. Feed Size:	600 mm
Transport Dimensions:	17700 mm (Length) 4700 mm (Width) 4500 mm (Height)
Weight:	50.000 kg

2 Grizzly Vibrating Feeder
- Dimensions: 975 × 3175 mm
- Motor Power: 4.5 kW, 1000 RPM, 2 units
- High-capacity grizzly vibrating feeder
- Wear-resistant liner plates installed as standard (lined – ST37, ST52 or Hardox – optional)
- The grizzly structure allows fine material to act as a pre-screen and be discharged via the bypass conveyor.

1 Hopper
- 7 m^3 capacity
- * Wear-resistant liner plates
- * Foldable covers are optional.

15 * Axle System
- Manufactured with 3 axles.

14 * Flap
- Dimensions: 850 × 300 mm
- Includes protective liners
- Includes hydraulic covers

13 Bypass Conveyor
- Length: 3200 mm
- Width: 500 mm
- 4 kW motor, 90 RPM

3 Impact Crusher
- PDK-100 impact crusher model
- High-performance impact crusher with Ø 1200 × 1000 mm feed opening
- Hydraulically adjustable CSS for various applications
- Easy maintenance and spare parts replacement

4 Long Return Conveyor
- Length: 9000 mm
- Width: 600 mm
- * Hydraulic control
- 5.5 kW motor, 90 RPM

5 Right Stock Conveyor
- Length: 9000 mm
- Width: 600 mm
- * Hydraulic control
- 5.5 kW motor, 90 RPM



6 Small Return Conveyor
- Length: 5000 mm
- Width: 500 mm
- * Hydraulic control
- 4 kW motor

7 Chassis
- Heavy-duty welded body on the chassis

8 Left Stock Conveyor-1
- Length: 8200 mm
- Width: 600 mm
- * Hydraulic control
- 5.5 kW motor, 90 RPM

9 Pre-Screen Feed Conveyor
- Length: 11500 mm
- Width: 1000 mm
- * Hydraulic control
- 11 kW motor, 90 RPM
- Ensures the screen is fed evenly and continuously, allowing efficient material classification by size.
- Typically positioned before the vibrating screen.

12 Screen Undersize Stock Conveyor
- Belt width: 8000 mm
- Belt length: 1000 mm
- 5.5 kW motor, 90 RPM
- The screen undersize stock conveyor s tores the finest material passing through the vibrating screen.

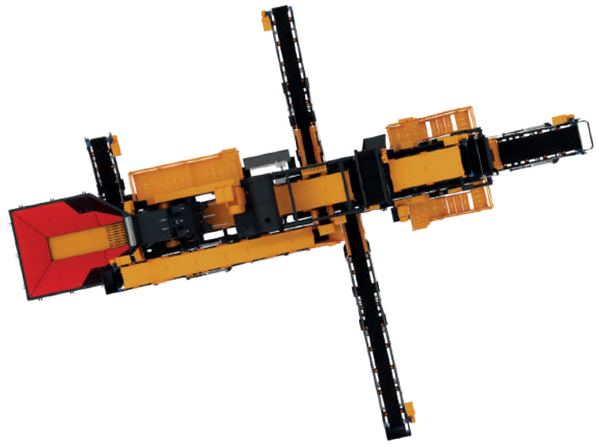
11 * Separator Conveyor
- Removes magnetic materials from the system before they enter the screen.

10 Vibrating Screen
- Dimensions: 1700 mm × 4500 mm
- 18.5 kW motor, 1450 RPM
- 3-deck screen separates materials into different sizes.

* OPTIONAL

*** Wobbler Feeder is an optional equipment.**





STANDARD FEATURES



*Separator (Optional)



User-friendly PLC control system with color display



3-deck screen with dimensions of 1700 mm × 4500 mm



The PDK-100 model is an impact crusher with a power of 200 kW.



Adjustable flap (can direct material to the screen feed or directly to the stock conveyor).



Vibrating Feeder + 7 m^3 Hopper

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