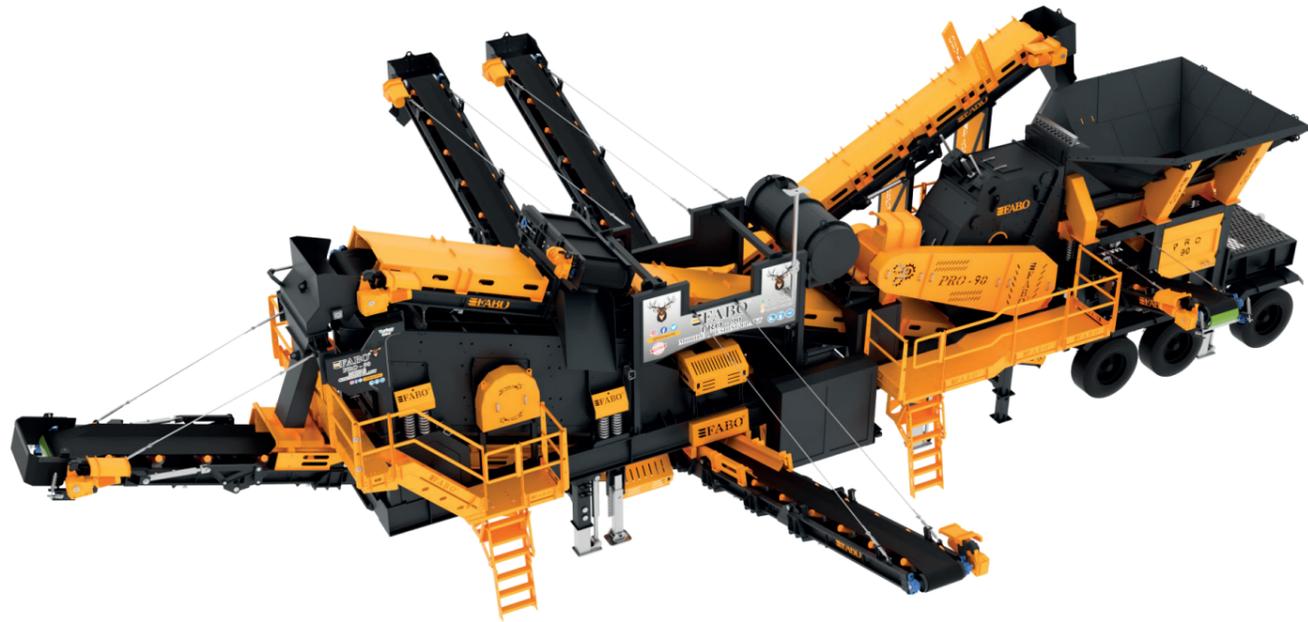
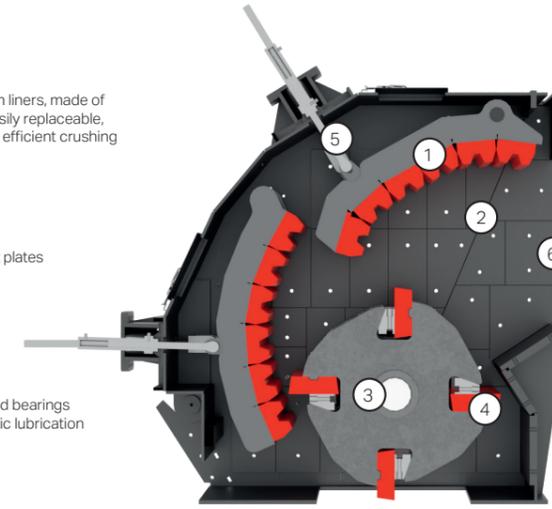


PRO-90

Semi-Mobile Crushing Screening Plants



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



- ④ Rotor hammers with high strength and durability ensure long-term use. The hammers are reversible, allowing for extended service life and optimized efficiency.
- ⑤ The crushing gap (CSS) between the pendulum plates and the rotor hammers can be hydraulically adjusted, ensuring maximum efficiency.
- ⑥ In the crusher with a Ø 1100x900 mm rotor size, the cover piston is activated during large material loading to prevent blockages.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DATA
Crusher	Impact Crusher
Max. feed size	500 mm
Rotor Dimensions	Ø 1100x900 mm
Adjustment Type	Hydraulic
Drive	Electric drive via V-belts

SPECIFICATIONS	DATA
Electric Motor	1450 RPM 160kw / 220hp



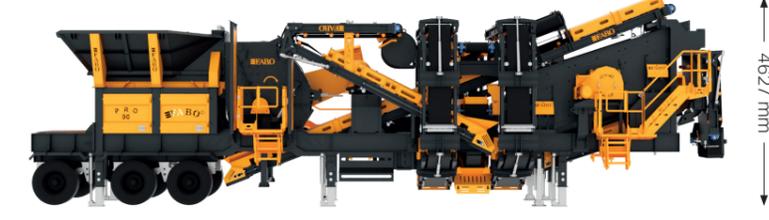
Note: All weights and dimensions apply only to standard units.

TRANSPORT DIMENSIONS

← 4552 mm →



← 16870 mm →



↑ 4627 mm ↓

OPERATING DIMENSIONS

← 20321 mm →



↑ 5600 mm ↓

← 14971 mm →



↑ 5600 mm ↓

↑ 2683 mm ↓

Weight : 52000 kg

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PRO-90 SEMI-MOBILE CRUSHING SCREENING PLANTS



HIGH-PERFORMANCE SEMI-MOBILE CRUSHING AND SCREENING POWER WITH YOU EVERYWHERE!

The PRO-90 semi-mobile crushing and screening plant is a mobile solution that delivers high performance in the field. Thanks to its easy transportability, it can be quickly set up at different locations and production can start in a short time.

With a production capacity of 90-120 tons per hour, it is ideal for medium-scale projects. Its durable structure and automation system ensure both high-quality output and reduced operating costs.

It can be used in various industries such as construction, mining, and recycling. PRO-90 combines mobility with efficiency, offering businesses a flexible and powerful production solution.

KEY FEATURES:

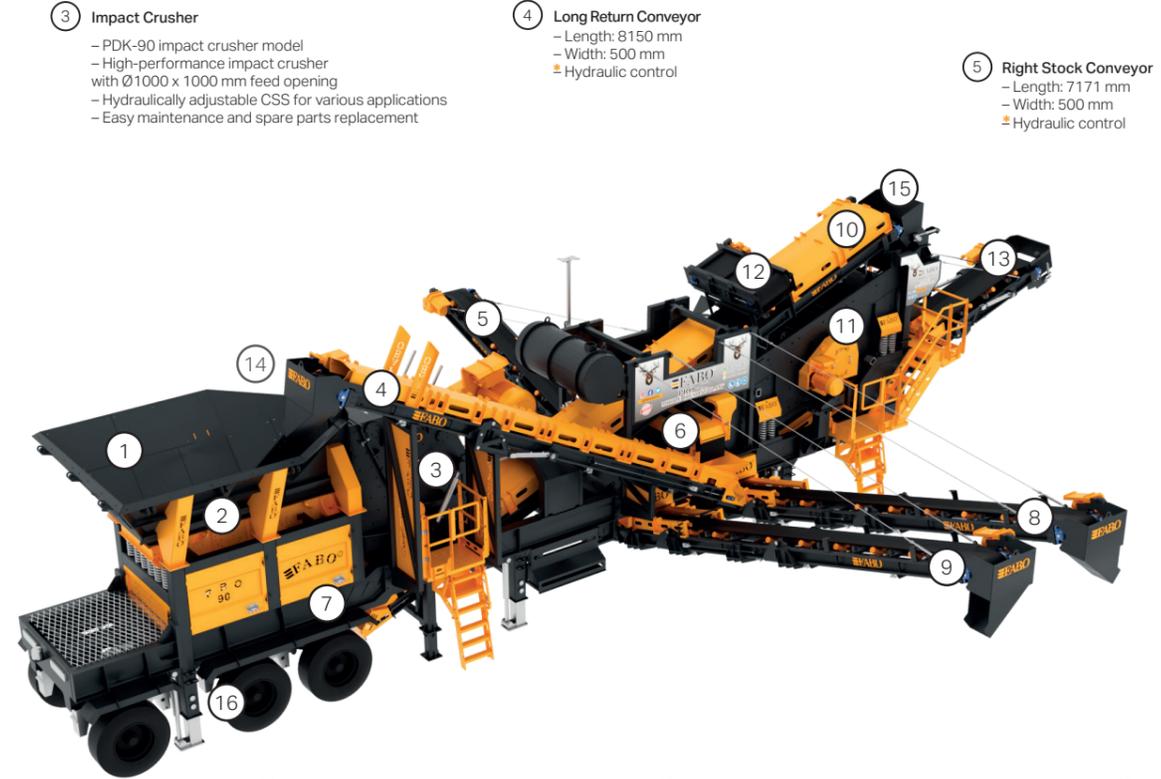
- Powerful and economical performance
- * Optional automatic lubrication system available to reduce maintenance time
- * Operating capability up to 40-50°C ambient temperature without the need for oil changes
- Special inlet geometry of the crusher unit ensures ideal material feeding; proven rotor hammers provide long-lasting high impact and superior product quality
- Transport and operating dimensions compliant with European standards
- Designed for fuel efficiency and low operating costs

PRODUCTION CAPACITY

90-130 T/H

SPECIFICATIONS	DATA
Equipment:	Impact Crusher
Feed opening:	900 mm x 800 mm
Max. feed size:	500 mm
Transport dimensions:	16870 mm (Length) 4552 mm (Width) 4627 mm (Height)
Weight:	52000 kg

* The Wobbler Feeder is an optional equipment.



- ② Grizzly Vibrating Feeder
 - High-capacity grizzly vibrating feeder
 - Wear-resistant liner plates installed as standard
 - The grizzly structure allows small-sized material to bypass by acting as a pre-screen and directs it to the bypass conveyor
- ③ Impact Crusher
 - PDK-90 impact crusher model
 - High-performance impact crusher with Ø1000 x 1000 mm feed opening
 - Hydraulically adjustable CSS for various applications
 - Easy maintenance and spare parts replacement
- ④ Long Return Conveyor
 - Length: 8150 mm
 - Width: 500 mm
 - = Hydraulic control
- ⑤ Right Stock Conveyor
 - Length: 7171 mm
 - Width: 500 mm
 - = Hydraulic control
- ⑥ Small Return Conveyor
 - Length: 2000 mm
 - Width: 500 mm
 - = Hydraulic control
- ⑦ Chassis
 - Heavy-duty welded body
- ⑧ Left Stock Conveyor-1
 - Length: 8,990 mm
 - Width: 500 mm
 - = Hydraulic control
- ⑨ Left Stock Conveyor-2
 - Length: 8,990 mm
 - Width: 500 mm
 - = Hydraulic control
- ⑩ Pre-screen Feed Conveyor
 - Length: 11,550 mm
 - Width: 800 mm
 - = Hydraulic control
 - Ensures smooth and continuous feeding of the screen, enabling efficient material classification (size separation).
 - Usually positioned before the vibrating screen.
- ⑪ Vibrating Screen
 - Dimensions: 1400 x 4000 mm
 - 15 kW motor power
 - 4-deck screen separates materials into different sizes
 - Screening area on each deck: 5 m²
- ⑫ Separator Belt
 - Ensures that magnetic materials are removed from the system before entering the screen.
- ⑬ Under-screen Conveyor
 - Belt width: 800 mm
 - Belt length: 7405 mm
 - The stockpile conveyor below the screen allows storage of the finest material passing through the vibrating screen.
- ⑭ Bypass Conveyor
 - Length: 3750 mm
 - Width: 500 mm
 - 4 kW Motor Power
- ⑮ Flap
 - Dimensions: 1045 x 280 mm
 - Includes protective liners
 - Includes hydraulic covers
- ⑯ Axle System
 - Manufactured with 2 axes as standard, A 3-axe option is available as an optional feature.
- ⑰ Bunker
 - 20 m³ capacity
 - = Wear-resistant liner plates
 - = Foldable covers are optional

* OPTIONAL

STANDARD FEATURES



* Separator (Optional)



Color display, user-friendly PLC control system



4-deck screen with dimensions of 1400 mm x 4000 mm



* Optional generator area



Adjustable flap
(Can direct material to the screen feed or directly to the stockpile conveyor.)



Vibrating Feeder + 8 m³ Bunker
* Additional bunker covers are optional. With additional bunker covers, capacity can be increased to 20 m³