FABO
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

FTT-100-S

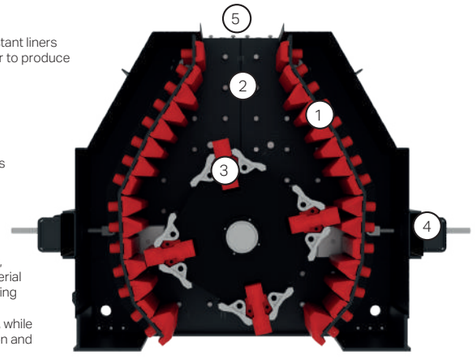
MOBILE TERTIARY CRUSHER



Tertiary Crusher

Focused on increasing the 0–5 mm sand ratio, the dual-direction rotor and segmented wear liners optimize consumable usage. Hydraulic body opening, bolted pendulum liners, and a single-person replacement design reduce downtime. A closed-circuit system with integrated recirculation screen keeps the tail of the gradation curve under control.

1. Hydraulically adjustable, wear-resistant liners that generate impact after the rotor to produce cubic-shaped material.
2. High-strength sidewall impact plates
3. The rotor, the heart of the machine, transfers kinetic energy to the material at high speed to perform the crushing process. Equipped with blow bars, it crushes and propels the material, while high balancing ensures low vibration and long service life.



4. It is the housing and bearing assembly that ensures rotor stability and power transmission. Heavy-duty bearings provide high impact resistance, while its modular design enables easy maintenance and long service life.
5. The section where material enters the machine in a controlled manner and is directed toward the rotor center, ensuring uniform crushing performance. FABO's design features a geometric structure that optimizes material flow.

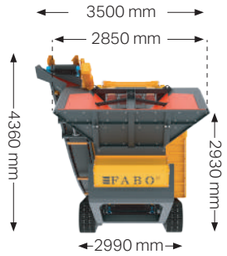
TECHNICAL SPECIFICATIONS

FEATURES	DATAS
Crusher	Tertiary Crusher
Rotor Dimensions	Ø 1040 x 1000 mm
Maximum Feeding	70-100 mm
Adjustment Type	Hydraulic
Drive	Electric via V-Belts

FEATURES	DATAS		
Generator	*360 kVA	/	*550 kVA
Engine Power	*160 kW	/	*250 kW
Diesel Tank Capacity	410 L	/	460 L
Hydraulic Oil Tank Capacity	210 L	/	190 L
Vibrating Screen Dimensions	1500x3800 mm		

Note: All weights and dimensions are valid for standard units only.

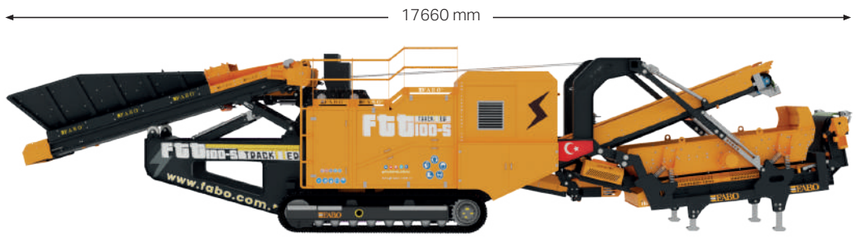
WORKING DIMENSIONS





TRANSPORT DIMENSIONS





Weight : 45500 kg

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FTT-100-S MOBİLE TERTİARY CRUSHER

THE NEW LEADER İN TERTİARY CRUSHİNG

FTT-100-S is one of the flagship models in the product range and is currently one of the most preferred mobile tertiary crushers worldwide.

FABO FTT Series is a next-generation mobile tertiary crushing and screening plant designed to deliver maximum efficiency and superior product quality in fine aggregate production. Thanks to its high-speed tertiary crusher technology, it provides excellent cubicity, precise particle size control, and high production capacity. Operating in a closed circuit with its integrated screening system, the FTT Series combines low operating costs, high efficiency, and reliable performance for asphalt and concrete aggregate production, quarrying, and recycling applications.

The main conveyor, equipped with a standard hydraulic lifting/lowering mechanism, facilitates maintenance access and significantly reduces transport preparation time. Its user-oriented design provides maximum operational efficiency and ease of use.

KEY FEATURES:

- 160 or 250 kW crusher engine compliant with emission standards for powerful, efficient, and environmentally friendly operation
- Automatic centralized lubrication system minimizing maintenance downtime
- * Continuous operation at ambient temperatures of 40–50°C without the need for oil changes, thanks to its specialized cooling system
- High-performance tertiary crusher with optimized feed geometry, providing uniform material flow, superior cubicity, and precise final product sizing
- Long service life, low maintenance costs, and high production efficiency with wear-resistant rotor and impact components
- High-quality fine aggregate production at the desired product size with an integrated closed-circuit screening system
- Transport and working dimensions compliant with European road standards
- Low operating costs and maximum operational efficiency through a fuel-efficient design

PRODUCTION CAPACITY

150-200 T/H

FEATURES	DATAS
Equipment:	Tertiary Crusher
Rotor Dimensions:	Ø 1040 x 1000 mm
Maximum Feeding:	70-100 mm
Transport Dimensions:	17660 mm (Length) 3470 mm (Width) 3650 mm (Height)
Weight	45500 kg

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CRUSHING SCREENING & CONCRETE BATCHING PLANTS

(2) **Feeder**
– High-capacity, vibrating, variable-speed step grate feeder
– Standard wear-resistant liner plates
* CFS system controlling the feeder drive to ensure continuous and uninterrupted crushing operation

(3) **Tertiary Crusher**
– High-performance tertiary crusher with Ø1040 x 1000 mm rotor dimensions
* 160 / 250 kW crusher motor power (Optional)
– Hydraulically adjustable CSS for various applications
– Easy maintenance and spare parts replacement
* Integrated crane system (Optional)

(4) **Generator**
* 360 / 550 kVA (Optional)
– Easy access to the engine compartment for service and maintenance
– Diesel or electric operation capability

(5) * **Magnetic Separator**
– 800 mm conveyor width and 2.2 kW motor power
– 550 × 1300 mm magnet dimensions

HYBRID technology

(1) **Hopper**
– 6 m³ standard capacity
* Wear-resistant liner plates



(6) **Main Conveyor**
– 1000 mm wide conveyor
* Dust suppression system
– Hydraulic control system

(7) **Chassis**
– Heavy-duty welded body mounted on a tracked chassis

(8) **Control System** (on the Other Side of the Machine)
– Highly efficient hydraulic and electrical systems provide superior system control
– User-friendly PLC control system with a color display for fully automatic control

(9) **Track System**
– 500 mm wide tracks operable via wireless and wired remote control
– Radio frequency remote control

(10) **Front Screen**
– 1500 × 3800 mm screen dimensions
– Efficient material separation with an integrated screening system
– Front screen design that can be easily removed and installed as required
– Wear-resistant liner plates (optional)

(11) **Long Return Conveyor**
– 500 mm wide conveyor
– Oversized material is redirected back to the crusher to achieve the requested final product size in the most efficient way.
– Thanks to its 90° swiveling design, it can also be used as a stockpiling conveyor.

(12) **Screen Discharge Conveyor**
– Ensures the discharge of the final product.
– Its durable construction ensures long-term use.

(13) **Small Return Conveyor**
– 500 mm wide conveyor
– Transfers oversized material to the long return conveyor.
– With its system connected to the screen frame, it can be removed from the system together with the pre-screen unit when required.

* OPTIONAL



The 90°-rotating conveyor system provides versatile use as a return conveyor or stockpile conveyor, offering operational flexibility.



Durable screen mesh and replaceable screen wires provide high vibration resistance and long service life.

STANDARD FEATURES



Removable front screen design offers a compact structure and easy maintenance.



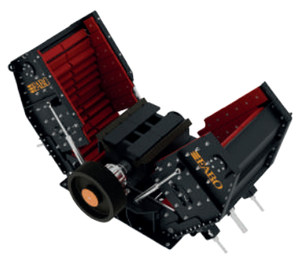
User-friendly PLC control system with a color display enables easy, safe, and precise control of all machine functions.



Wireless remote control system provides safe, precise, and easy machine operation.



Easily accessible engine compartment speeds up maintenance and service operations, minimizing downtime.



The dual-direction rotor and closed-circuit screening system deliver high 0–5 mm sand yield, low consumable costs, and consistent product quality.



Large-capacity hopper and durable belt feeder ensure continuous material flow and maximum production efficiency.

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