

240 T/H Asphalt Mixing Plant

The 240 T/H asphalt mixing plant is designed for high-capacity asphalt production. It integrates aggregate feeding, drying, screening, weighing, and mixing systems to ensure efficient and consistent asphalt production.



ADDITIONAL IMAGES



Overview



Complete QLB3000 asphalt mixing plant layout showing the drying drum, mixing tower, and dust collection system.

High-Capacity Asphalt Production Solution

The QLB3000 is a high-performance asphalt mixing plant designed for large-scale road construction projects, delivering a consistent output of 240 tons per hour. It features a robust drying drum with superior thermal insulation and a twin horizontal shaft mixer to ensure high-quality asphalt production. Equipped with advanced PLC automated controls and a dual-stage dust collection system, this plant balances operational efficiency with environmental compliance.

Technical Performance

Production Capacity

240 t/h

Output Capacity

Measuring Accuracy (Static)

Material	Accuracy Tolerance
Aggregate	±0.5%
Asphalt	±0.25%
Powder	±0.25%

Main Power	626 kw
Mixer Batch Capacity	2000 kg

Aggregate Supply System

Supply System Features

- Protective plates on hopper sides to prevent debris entry
- Vibrators installed below each hopper for smooth supply
- Top-mounted grid plates to screen oversized aggregates
- Integrated ladder and platform for easy maintenance
- Intermediate screen between conveyor belts for secondary screening

Drying & Heating

Drying Drum Construction

- Boiler steel plate construction for high strength
- Thermal insulation wool and stainless steel cladding
- Automatic lubrication device to reduce labor costs
- High-strength wear-resistant rolling rings and rollers

Combustion & Fuel

Compatible Fuel Types	Coal, Diesel Oil, Heavy Oil, Natural Gas
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Environmental Protection

Dust Collection Method

- Two-stage dedusting method
- Primary stage: Cyclone dust collector
- Secondary stage: Bag house collector
- Heat-resistant filter bags with pulse control
- Integrated temperature testing and heat insulation

Control & Mixing

Control System	Integrated PLC/Computer automatic and semi-auto control
Mixer Configuration	Twin horizontal mix shaft with auto-lubrication

Storage

Asphalt Tank Capacity Range	25 - 200 t
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