

FM-25

Integrated Foam Concrete Mixing & Pumping Plant

Efficient • Reliable • Professional



One Machine, Complete Foam Concrete Solution

FM-25 combines:

- ✓ Mixing
- ✓ Foam Generation
- ✓ Density Control
- ✓ Pumping
- ✓ Continuous Production

into one integrated system.

Designed for high-efficiency foam concrete production and placement.

FM-25 is an integrated foam concrete production and pumping system specially designed for lightweight concrete applications.

Combining mixing, foam generation and pumping in one compact unit, FM-25 enables contractors to produce high-quality foam concrete continuously and deliver it directly to the construction area with high efficiency and low labor requirements.

Whether for roof insulation, floor heating backfill, void filling, tunnel works or mine rehabilitation projects, FM-25 provides a reliable and cost-effective solution.

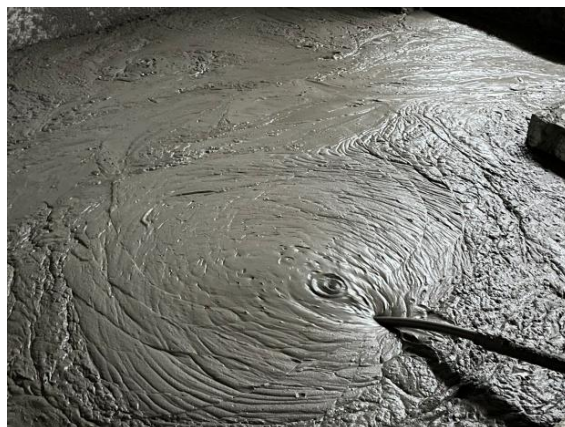
Why Choose FM-25?

- ✓ High Productivity
- ✓ Stable Foam Concrete Quality
- ✓ Long Pumping Distance
- ✓ Easy Maintenance
- ✓ Lower Labor Cost
- ✓ Proven Performance on Construction Sites

FM-25 is designed to help contractors complete foam concrete projects faster, more efficiently and with better quality.

Typical Applications

- ✓ Roof Insulation
- ✓ Floor Heating Backfill
- ✓ Lightweight Floor Filling
- ✓ Void Filling
- ✓ Tunnel Backfilling
- ✓ Pipeline Trench Filling
- ✓ Road Subgrade Lightweight Fill
- ✓ Abandoned Mine Rehabilitation
- ✓ Lightweight Soil Projects



Technical Specifications

Mixing & Foaming Unit

Item	Value
Effective Mixing Capacity	1.0 m ³
Production Capacity	Up to 20 m ³ /h
Total Power	13.55 kW
Machine Weight	1300 kg

Pumping Unit

Item	Value
Pumping Capacity	15–20 m ³ /h
Max Pumping Pressure	1.0 MPa
Vertical Pumping Distance	80 m
Horizontal Pumping Distance	150 m
Pipe Diameter	Φ51 mm
Motor Power	7.5 kW

Key Benefits

High Production Efficiency

With a production capacity of up to 25 m³ per hour, FM-25 significantly improves construction speed and reduces labor costs.

Integrated Design

Mixing, foaming and pumping functions are combined into one machine, simplifying site operation and reducing equipment investment.

Consistent Foam Concrete Quality

The specially designed mixing system ensures uniform slurry mixing and stable foam distribution, resulting in consistent density and strength.

Long Distance Pumping

Capable of pumping up to:

- 80 m vertical
- 150 m horizontal

Ideal for high-rise buildings and difficult-to-access construction areas.

Easy Operation and Maintenance

User-friendly controls, quick-clean pump structure and robust components minimize downtime and maintenance costs.

Reliable Hydraulic System

Equipped with high-quality hydraulic components and water-cooling system for stable long-term operation.

About Changsha Dwell Technology Co., Ltd.

Changsha Dwell Technology Co., Ltd. is a professional supplier specializing in foam concrete equipment, foaming agents and lightweight filling technologies.

With years of experience in the foam concrete industry, we provide complete solutions covering equipment manufacturing, material technology, project consultation and technical support for customers worldwide.

Our product range includes:

- Foam Concrete Mixing & Pumping Systems
- Foam Generators
- Protein-Based Foaming Agents
- Synthetic Foaming Agents
- Lightweight Soil Equipment
- Mine Rehabilitation Solutions
- Tunnel Backfilling Solutions
- Roof Insulation & Floor Heating Systems

Beyond equipment supply, we focus on helping contractors and project owners achieve higher efficiency, lower costs and better construction quality through advanced foam concrete technology.

Our solutions have been widely applied in:

- Building Insulation Projects
- Floor Heating Backfill
- Road and Railway Construction

- Tunnel Void Filling
- Pipeline Trench Backfilling
- Lightweight Embankment Construction
- Abandoned Mine Rehabilitation
- Industrial Filling Projects

We are committed to providing reliable equipment, innovative technology and responsive after-sales support to customers around the world.

Whether you are a contractor, distributor, engineering company or project developer, Changsha Dwell Technology is your trusted partner for foam concrete solutions.

Our Commitment

- ✓ Professional Technology
- ✓ Reliable Equipment
- ✓ Customized Solutions
- ✓ Global Service Support
- ✓ Long-Term Partnership

Together, we create more efficient and sustainable construction solutions.