Fiber dispensing machine



Overview

Fiber dosing dispenser, Fiber dosing unit Find your fiber dosing dispenser easily amongst the 10 products from the leading brands (Hennecke, motan, AVITEQ.

Key Takeaways

Fiber dispensing machines automatically measure and add fibers to concrete, ensuring precise, efficient, and consistent reinforcement.

Overview

Fiber dispensing machines, also known as fiber dosing systems, are used to automatically add steel or synthetic fibers to concrete mixtures in precise proportions, enhancing durability, crack resistance, and structural integrity. These machines are widely used in industrial floors, tunnels, bridges, precast elements, and screed applications.

Types of Fiber Dispensing Machines

Portable Systems: Lightweight and movable, suitable for small-scale or on-site applications. They can handle plastic or synthetic fibers and are easy to transport between plants or job sites. Stationary Systems: Permanently installed in a concrete plant, often integrated with the plant's batching computer system.

These systems are ideal for high-volume production and can handle multiple fiber types simultaneously. Integrated Systems: Fully automated machines that work with existing batching plants, allowing real-time data sharing and precise control over fiber dosing.

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How They Work

Fiber dispensers typically consist of a hopper or cylindrical container with a spiral feeder coil and vibrators to move fibers through the system. Fibers are loaded from bags, boxes, or bulk sacks, and the machine uses load cells or weighing instruments to dose the exact quantity required. The fibers are then fed directly into the mixer, onto the aggregate belt, or into weighing bins.

Advantages

Accuracy and Consistency: Automated dosing reduces human error and ensures uniform fiber distribution. Efficiency: High feed rates allow large volumes of concrete to be processed quickly. Cost Savings: Bulk fiber handling reduces material costs and labor requirements.

Safety: Minimizes manual handling of fibers, reducing workplace hazards. Integration: Can be connected to plant control systems for real-time monitoring and data collection.

Applications

Fiber dispensing machines are used in projects requiring high durability and structural performance, including: Industrial and commercial floorsBridges and tunnelsPrecast concrete elementsScreed and overlay applications These machines are suitable for micro and macro synthetic fibers up to 30 mm, steel fibers, and even fiber “pucks”. In summary, fiber dispensing machines provide a precise, efficient, and safe method to incorporate reinforcement fibers into concrete, improving both quality and productivity in construction projects.

Article Content

Fiber dosing dispenser, Fiber dosing unit

Find your fiber dosing dispenser easily amongst the 10 products from the leading brands (Hennecke, motan, AVITEQ, ...) on DirectIndustry, the industry specialist for your professional purchases.

DOSMEC™ AUTOMATIC FIBER DISPENSERS

Dosmec™ range of fiber dispensers is a relatively cost effective solution to weigh fiber into your mix and can be added as an extra scale input in your batching controller.

Fiber Feeding-Dosing Systems

Fiber dosing systems are used to automatically measure and add steel or synthetic fibers to concrete mixtures in precise proportions. These systems enhance the durability, crack resistance, and

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Dispensers for Fiber Reinforced Concrete — PAJCO

Our dispensers ensure an efficient, safe, and even distribution of reinforcement fibers into your concrete mix. With high feed rate capabilities, our dispensers can

Fibres Dosing Equipment

The fiber dosers are mounted on load cells and therefore the negative weighing method is used for dosing the fibres either by an

AUTOMATIC FIBER DISPENSER SYSTEM

We supply automatic fiber dispenser system, fiber dosing system a complete automatic fiber dosing solution across India

FULLY AUTOMATIC OPTICAL FIBER DISPENSING MACHINE

1.XYZ axis NC size precision, high density array dispensing support. Key Features: 1.XYZ axis adopts Japanese dispensing technology, dual rail parallel support, and high transmission precision and

Automatic Fiber Dispensers

BetonMec Srl produces a wide range of automatic dispensers for the '' fiber nutrition. Our dispensers range from applications with metal fibers, synthetic, EPS, etc.

Fiber dosing dispenser

It is fully automatic and proportions directly into the mixer, skip hoists, intermediate hopper or onto the belt conveyor. No manual handling. The fibres are delivered

Dosing technology

The right dosing system - KrampeHarex is your renowned technology leader in the field of steel fibres & abrasives. It supplies structural and civil engineering

Producing fiber-reinforced concrete

Automatic fiber dispensing system Any concrete batch plant can be equipped with an automatic fiber dosing system to precisely measure and dose the required

UltraFiber 500® Automated Gen1 Dispenser

UltraFiber 500® Automated Gen1 Dispenser The UltraFiber 500® Automated Gen1 Dispenser is our simple and highly successful original design for streamlining fiber dosing. Ready Mix plants across

Home | Bac Polymers 1

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DRUMSER 2B FIBER DISPENSER from BAC POLYMERS INC. has been developed with participation of Concrete Pourers/Finishers and Fiber Suppliers who know what is required and expected from an

Effortless fiber dispensing: solving the challenges of

Steel fiber dispensing unit ready for automatic production. Challenges to fiber concrete production - fibercrete Fiber-reinforced concrete is

Bulk Fiber Dispenser System for Concrete Plants | Scale-Tron

Automated bulk fiber dispenser system for concrete batching plants with controlled fiber dosing and integration with batching automation.

AUTOMATIC FIBER DISPENSER SYSTEM

Fibers are more and more used into everyday application GERVASI is an Italian company which manufactures automatic fiber dosing solution and Feeding fiber dosing system Our machines store,

Epoxy Dispensing Explained

In the article below, we review the objectives of epoxy dispensing. Approaches to dispensing adhesives (for fiber optic cable assembly) and a new automated system The primary

SmartDispenser®Benchtop Fiber Optic Auto Assembly

How the Fiber Optic Benchtop Automation System Works – It all starts with The SmartDispenser ® with AlgorithmicControl ™ is the industry''s only intelligent fluid

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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