FiberNinja
FAST EFFICIENT FIBER

STOP THROWING BAGS. START TURNING TRUCKS.



AUTOMATED BULK FIBER DISPENSING

Eliminate bag handling. Improve safety. Ensure every batch.

FiberNinja is a patented, loss-in-weight fiber dispenser designed for ready-mix concrete producers who demand performance in harsh plant environments. Built with industrial-grade components and engineered for seamless integration, FiberNinja delivers consistent dosing with minimal maintenance.

HIGH THROUGHPUT
1200-1500 lb. HOPPER CAPACITY

MULTI-FIBER COMPATIBILITY
MICRO AND MACRO FIBERS

PRECISION DISPENSING
LOSS-IN-WEIGHT ACCURACY

BUILT TO PERFORM
RUGGED. RELIABLE. READY-MIX PROVEN.

VIP SOLUTIONS
INNOVATIVE EQUIPMENT. PROVEN PERFORMANCE.

sales@fiberninja.us | 423-521-2261

FIBERNINJA.US

Engineered to Deliver

Efficiency. Safety. Quality Control. Reliability. Simplicity.

1



MAXIMIZE EFFICIENCY

Automated dispensing eliminates bag handling and speeds up batch cycles - so you turn more trucks and increase your bottom line.

2



IMPROVE SAFETY

Remove the need for climbing, lifting, and manual bag handling - reducing injuries and creating a safer work environment.

3



ENSURE QUALITY CONTROL

Loss-in-weight technology ensures the correct fiber amount every time. Verification is shown on the batch ticket for total confidence.

4



BUILT FOR RELIABILITY

Heavy-duty construction and proven components stand up to the harshest plant conditions - day after day, year after year.

5



KEEPS IT SIMPLE

Designed for seamless integration and easy operation with minimal maintenance and operator training.

6



DELIVERS CONSISTENT RESULTS

Automated, verified dosing ensures every batch meets spec - eliminating missed or incorrect fiber additions.

From start to finish.

FiberNinja automates fiber dosing from the first run signal to the final verified dose - so you get consistent results every time.

1. 

RUN SIGNAL RECEIVED

The batch system sends a run signal to the FiberNinja PLC.

2. 

FIBER IS DOSED & CONVEYED

Fiber is metered by the dosing mechanism and conveyed by the belt into the discharge chamber.

3. 

WEIGHT IS MEASURED

Load cells continuously monitor the hopper weight and detect material loss.

4. 

DISCHARGE TO BATCHER

A blower conveys the fiber through piping to the discharge point.

5. 

FEEDBACK TO BATCH SYSTEM

The PLC sends pulses back to the batch system, tracking the dispensed amount.

6. 

TARGET DOSE VERIFIED

Dispensing stops when the target is met. Verification appears on the batch ticket.

OPERATOR ADJUSTABLE

All settings are easily adjusted from the HMI touchscreen.

ADJUSTABLE PARAMETERS:

- Conveyor speed
- Dosing mechanism speed
- Screw conveyor speed
- Blower speed
- Pulse weight (grad size)

HMI ALARMS:

- Low fiber level
- High fiber level
- System fault
- Communication loss
- Motor overload
- Etc.

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Engineered Components. Proven Performance.

BELT CONVEYOR

The FiberNinja belt conveyor is engineered with heavy-duty components to ensure reliable performance in demanding, bulk material handling environments.

- 8 in. steel drum pulleys on 1-1/2 in. steel shafts
- 4 ft wide, low-profile, cleated belt for superior material grip
- Impact bed supported by steel tubing and top plate
- 1/2 HP, 480V gear motor for consistent operation

DOSING MECHANISM

Custom engineered to precisely regulate the flow of fiber into the discharge chamber.

- 1 HP, 3-phase gear motor

DISCHARGE CHAMBER SCREW CONVEYOR

A live bottom screw conveyor that delivers smooth, controlled discharge of fiber into the airstream.

- Approx. 9 in. diameter screw
- 2 in. Schedule 40 center shaft
- 3/16 in. thick flights, 1-1/2 in. end shafts
- Heavy-duty flange bearings
- 1 HP, 3-phase gear motor

PNEUMATIC CONVEYING

High-efficiency blower system transports fiber through piping to the discharge point.

- Blower: 2 HP, 3-phase
- 14 in. impeller; 7 in. inlet; 6 in. outlet
- Clear static-dissipative tubing; long-radius bends
- Stainless steel Morris Quickon II couplings