

# Technical Report

## Options – P2 Pathwinder Conveyor

### FLEX-END DISCHARGE



Serpentix P2 conveyor with a flex-end discharge at work in a water treatment facility

A flexible section of track enables the Serpentix P2 conveyor to distribute material over a **twelve-foot arc**, i.e., six feet on either side of the straight position.

The flex-end discharge consists of an 8'-3" long segmented track section, a pivoting support system, a pneumatic cylinder, a control valve, and a manual control stick to position the discharge point of the conveyor.

In the application depicted on this page, three storage hoppers can be independently filled.

Other possible flex-end applications include:

- evenly load a truck, or
- temporarily bypass a process, such as a lime mixer.



Multiple conventional flat belt or screw conveyors could accomplish this feat, but would require:

- additional clearance,
- plows,
- additional motors, controls,
- constant tracking adjustment, and
- increased power costs.

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***Only Serpentix conveyors have the flex-end discharge feature!***