

B. W. SINCLAIR INFORMATION UPDATE

INTEGRATED SYSTEM HANDLES CORROSIVE CHEMICAL FROM MANUFACTURING TO BAGGING

How do you feed and elevate a fragile flake material from manufacturing to bagging without damaging the product or contaminating the workplace? SINCLAIR recently answered that question with an integrated material handling system for a Mexican chemical works, using a totally enclosed High Incline Z-Flow 90° Flexible Sidewall Belt Conveyor coupled to a Live Bottom Hopper and Automatic Bagging System.



The client produces a flat, thin irregular flake product that is both corrosive and pressure sensitive. His initial concerns therefore included gentle handling, dust control, and bagging accuracy. Type 316-L-SS contact surfaces satisfy the corrosion and contamination issues, and the SINCLAIR Total Enclosure Housing with CamLock™ quick-access doors provides both dust control and inspection/cleanout capability.



The discharge nozzle of the conveyor features an integral BWSi Declined Dewatering Gate Valve to allow periodic belt washdown without contaminating the storage hopper.



A Model 0948C-SS Cylindrical Surge Hopper with integrated support structure is fitted with a Brabender BAV™ Gyrotory Bin Activator to promote material discharge to the feed hopper of a Taylor Products Model BD Auger Bag Packer™.



SINCLAIR also furnished a System Control Panel featuring interlocks, relays, timers, and motor controls for this project.

B. W. SINCLAIR, INC. – engineering, equipment, project management, and systems integration – another innovative material handling solution.

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