

B. W. SINCLAIR INFORMATION UPDATE

RESIN/ADDITIVE MIXING CONVEYOR USED IN POLYETHYLENE PRODUCTION

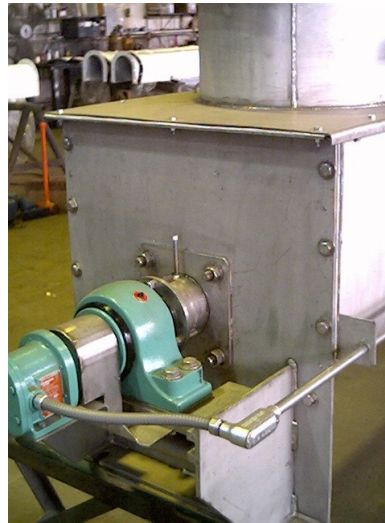
B. W. SINCLAIR recently shipped another in a continuing series of LongSpan Resin/Additive Mixing Screw Conveyors for the plastics industry. The conveyors, manufactured in T304-L stainless steel, gather and transport the discharge from a series of loss-in-weight feeders handling primary resin and numerous minor additives.



The multiple flanged inlet spouts connect to standpipes from the feeders, with the resin inlet being the largest and closest to the inlet end. The inlets can also be beaded stubs if flexible connectors will be used. The drive module is typically a two-speed explosion-proof electromechanical assembly for bulk-dribble flow, complete with a torque-limiting device for equipment protection.



The internal rotor is a BWSI "LongSpan" module with a CEMA IV (120-140 grit) surface finish to promote material release. The rotor operates with a close-tolerance fit within the housing to insure optimum product cleanout between grades.



Standard accessories in this industry include

- ❖ Cover access limit switches
- ❖ Zero speed motion detector
- ❖ Purged gland seals
- ❖ Under-cover safety screens
- ❖ Junction box with terminal strip
- ❖ Thermal expansion design



Typical projects include engineering coordination with the client's A&E consultant and liaison project management with the supplier of the L-I-W feeders. A range of sizes is available to satisfy the process and layout requirements of the application.

SINCLAIR is a recognized Worldwide Quality Partner for the supply of these critical systems.

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