DSI PIPE CONVEYORS

PIPE CONVEYOR

First developed in the mid 1970's, like many past innovations Pipe Conveyors are now a mature technology that is well understood with its equipment well standardized. The belt's pipe forming and load support characteristics are well understood and tabulated by the belt manufacturers. Hex idlers and mounting plenums are standard products of the idler manufacturers. According to the CEMA (Conveyor Equipment Manufacturers Association) guidelines, the ***DSI ExConTec*** is ideally suited for the complex power and tension analysis of the pipe conveyor belt line. It breaks down the components of the travel resistances into their very basic parts and reconstitutes them into aggregate resistances that reflect the increased number of bearings and seals, the imprint and shearing resistances that add the pipe forming (crowding) roll loads to the radial loads around the profile and horizontal curves, and the gravitational loads.

Following our policy of cooperation with notable innovators and our long-standing relationship, during the last decade, we teamed up with Loeffler Engineering of Lago Vista, Texas, USA, in offering the engineering and supply of Pipe Conveyor overland conveying systems. Loeffler Engineering contributed to the team's unparalleled experience and expertise in the Pipe Conveyor technology, dating back to its early development.

Armed with a deep understanding of the conveyor technology, unparalleled in-house analytical tools and the support of the belting and equipment manufacturers, Dos Santos International has offered and continues to offer both high-tech engineering and consulting services and the engineering and supply of the most complex pipe conveyors to the industry.

	Company / Location	System	Material/ Rate (t/h)	Belt Wdth/ Speed (mm)/(m/s)	Length (m)	Net Lift (m)	Max Lift (m)	Drives/ Brakes (kW)/ (kN)	Year
1	AIMCOR/ TX, USA	OL Pipe Conv, Dual Hd Dr, Tail Take-Up, Auto Hyd Winch, 3 Horiz Curves							2000
			Coke / 500	Ø305/ 4.3	914	6.7	6.7	280/ ---	
2	Energy Assoc/ NJ, USA	OL Pipe Conv, Dual Hd Dr. + Single Tail Drive, Tail Take-Up, Horiz. Gravity, 2 Horiz Curves							2004
			Alum / 800	Ø440 / 2.6	1800	-25	-25	3@150/--	