

Lactose Conversion Belt Conveyor

Evaporator Dryer Technologies, Inc.



Lactose Conversion Belt Conveyor

Evaporator Dryer Technologies' Lactose Conversion Belt Conveyors are a proven design that achieves the best processing results.

EDT Conversion Belt Conveyors are used between drying stages that allow for lactose conversion when spray drying whey products.

The conveyor is designed to accommodate whey powder from the spray dryer and transport the product to the secondary drying and cooling process. The conversion belt provides the right retention time that allows lactose β crystals to convert to lactose α crystals.

The Belt Conveyor is complete with EDT retractable CIP nozzles, fire suppression nozzles and our new heavy-duty, double-hinged manways.

We offer a range in size and capacity conversion belts from large processing systems to small pilot size units. Each unit is custom designed to fit the needs of the process.

EDT Conversion Belt Conveyor are designed in accordance with USDA Sanitary Guidelines.



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Special Features and Benefits

- ▶ Only two roller belt penetrations
- ▶ CIPable roller bearings
- ▶ Open-weave transport belt allows CIP directly through the belt
- ▶ Built-in CIP using EDT liquid-activated retractable CIP spray nozzles - no air lines connections are required.
- ▶ Protected with built-in EDT Fire Suppression spray nozzles.
- ▶ EDT Heavy-Duty Manways - a double-hinged cover is designed to eliminate liquid and process air leakage.
- ▶ USDA accepted for sanitary applications.



Evaporator Dryer Technologies, Inc. is an engineering company providing the services of design, engineering and supply of evaporating and spray drying systems and components with an innovative approach that will modernize and improve plant performance, and enhance operational safety.



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