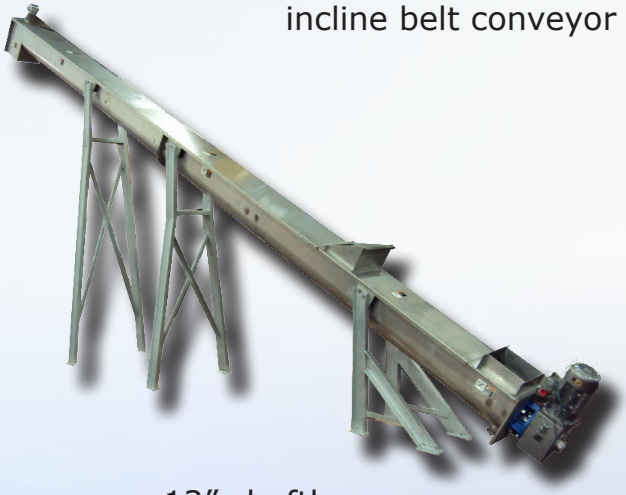
Charter Machine Company

Custom Built Conveyors

- A wide range of models to suit your needs
- Customized to any facilities layout
- Increased production
- Reliable designs
- Built to your order
- Cost efficient

24” wide transitional incline belt conveyor



12” shaftless screw conveyor

24” wide corrugated side wall belt conveyor

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Specifications &Details

Belt Conveyors

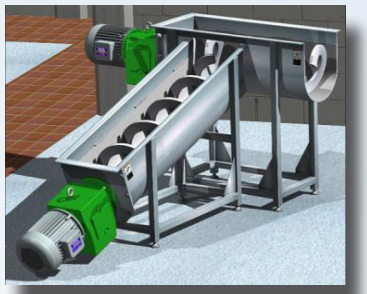
The Belt Conveyor has many uses and advantages. One being the ability to transport materials over a very long distance. Belt conveyors utilize rolls that spin the belt forward to transport the material on the conveyor. Belt Conveyors can carry a very large amount of dry solids per hour as shown in the chart below. Belt Conveyors can have what are called sidewalls to help hold material.

Screw Conveyor

The Screw Conveyor is great for transporting large quantities of material. Compared to a belt Conveyor, Screw Conveyors have a size advantage. Screw Conveyors are easily adaptable and are much more capable of fitting in compact settings. The Screw Conveyor has many uses. It can be used to mix two materials together, and also can have multiple inlet and/or discharge points.

Shaftless Screw Conveyor

The Shaftless Screw Conveyor is the perfect solution for moving dry and semi-solids. The simplistic, pipeless design makes it a great candidate for moving scrap woods, scrap metals, compost, pulp, and wastewater products. Since Shaftless Screw Conveyors utilize less parts, the overall maintenance costs less time and money. Its simplistic design allows for higher trough loading and low RPM's, maximizing the amount of material it can convey.



Transitional Belt Conveyors

The Transitional belt Conveyor is just like the Belt Conveyor, but it includes a bend or turn in the belt. This is allows for the conveyors to pick or drop off materials from more difficult to achieve positions. Just like the belt conveyor, the Transitional Belt Conveyor comes in a variety of sizes and styles. Transitional Belt conveyors may also have sidewalls to help contain the transported material.

Table shown represents data for the Screw Conveyor

Nom. Dia	A Dia.	B Inside	C Pitch	CFH* Full Pitch	Lbs/Ds/Hr	Max RPM
6	6	7	6	140	8,400	25
9	9	10	9	472	28,320	25
10	10	11	10	648	38,880	25
12	12	13	12	1,119	67,140	25
14	14	15	14	1,777	106,620	25

Table shown represents data for the Belt conveyor

Belt Style	Belt Size Width	Trough Angle	Belt Speed FPM	Lbs/DS/Hr
Flat	16"	20	50-100	28,000
Flat	18"	20	50-100	36,000
Flat	24"	20	50-100	70,000
Sidewall	24"	0	50-100	94,000
Sidewall	30"	0	50-100	118,000