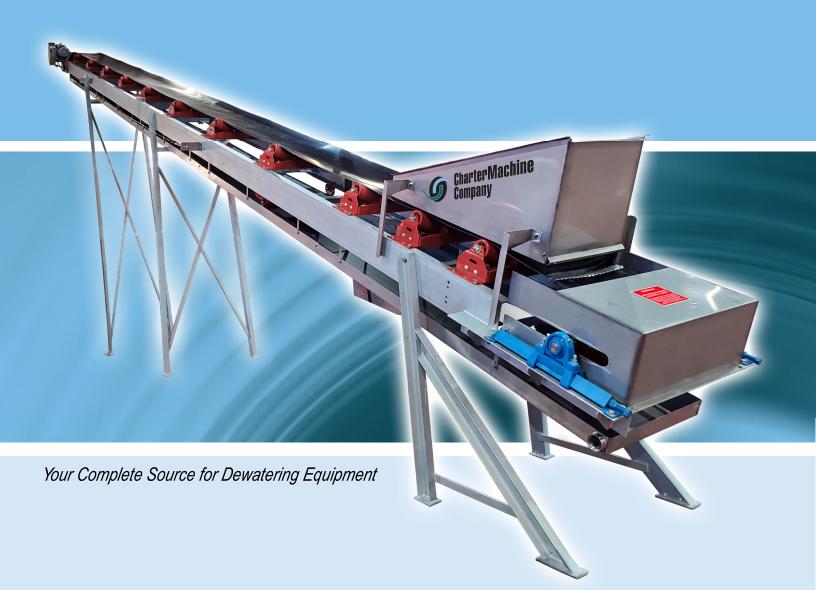
# CUSTOM BUILT CONVEYORS









## SCREW CONVEYORS



# BELT CONVEYORS



## FEATURES Horizontal, inclined or vertical orientation

Design flexibilty

BENEFITS

Pushing or pulling drives Optional Slide Gate Enclosed trough or tube

Easily control discharge flow at one or multiple points Reduces dust and/or spillage.

**FEATURES** Flat, troughed, cleated or sidewall belt styles

Incline and horizontal orientations

Design flexibilty

Heavy duty belt material with mechanical or vulcanized seams

Quality materials for long life assurance

Drip pans and covers for moisture runoff and protection from environment

Lower maintenance/operation costs

BENEFITS

## **SHAFTED**

Center pipe/shaft - faster RPM & supports screw

• Stepped diameter, stepped pitch, and opposite hand flights can be assembled to better regulate material flow.

• Suitable for longer distances

• Ideal for high-capacity applications



Dia.						
	CFH* Full		Dry Cake	Max		
	Pitch	Lbs/Hr	15%	20%	30%	RPM
6	106	6360	744	1006	1552	60
9	324	19440	2276	3076	4742	55
10	446	26760	3134	4234	6526	55
12	700	42000	4918	6646	10244	50
14	1112	66720	7812	10556	16272	50
16	1492	89520	10482	14164	21834	45



• Troughing idlers keep the belt's shape consistent throughout its journey.

- Suitable for longer distances.
- Ideal for high-capacity applications.
- Trough helps prevent material spillage and increases the safety of workers.
- Suitable for screenings, sludge or grit.

## **VERTICAL**

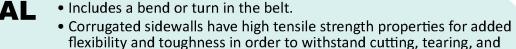
- Space efficient, Low-profile footprint
- Handling of large objects, up to trough diameter
- Fully enclosed tight odor and mess containment
- Available in shafted or shaftless screw



Shafted or Shaftless

# **TRANSITIONAL**

Mutiple Outlets Applicable



abrasion.

• Variety of cleating styles allow for maximum operational efficiency based on the required capacity and angle of inclination.

## T-BELT CONFIGURATIONS Horizontal to Inclined to Horizontal C-CLEAT (SCOOP CLEAT) T-CLEAT S-CLEAT **BOLTED CLEAT** (S OR T) STYLE PADDLE

## **SHAFTLESS**

• No center pipe/shaft - Eliminate buildup on pipe, increases screw capacity, lower maintenance/operation costs.

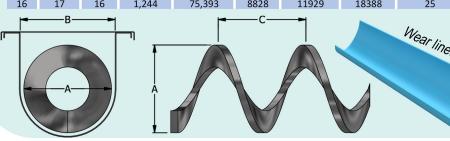
• Perfect solution for moving stringy, spongy, sticky, lumpy, and wet materials. Suitable for conveying a wide range of dry and semi-solids.

• Higher trough loading (45%) and low RPM's, maximizing the amount of material it can convey.

• Continuous flight eliminates hangers - reduces maintenance cost

• Wear liners - reduces maintenance cost and easy to replace

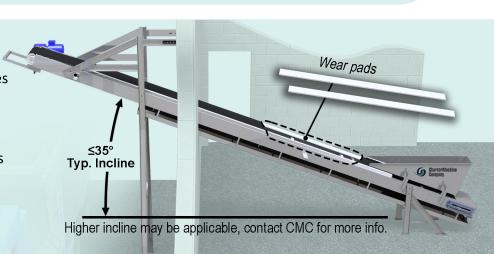
		C Pitch						
A Dia. B Inside	B Inside		CFH* Full	Lbs/Hr	Dry Cak	Max RPM		
		Pitch	LUS/ FIT	15%	20%	30%		
6	7	6	65	3,975	465	629	969	25
9	10	9	224	13,418	1571	2123	3273	25
10	11	10	307	18,406	2155	2912	4489	25
12	13	12	530	31,806	3724	5032	7758	25
14	15	14	842	50,507	5914	7992	12318	25
16	17	16	1,244	75,393	8828	11929	18388	25

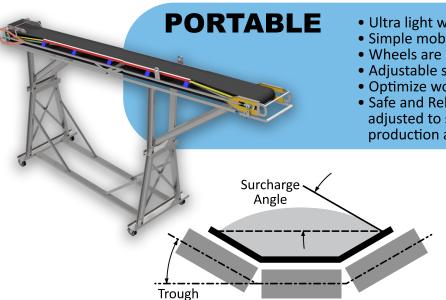


\*CFH = Cubic feet per hour. \*\* ALL DIMENSIONS SHOWN IN INCHES. \*\*\*Lbs/ds/hr = Pounds of Dry Cake per hour. Data tables calculated for horizontal screw conveyor orientation.

## **SLIDER**

- Ideal for short-run distances
- Idlers are not required economical alternative & low maintenence
- Wear pads fraction of the cost in comparison to Idlers





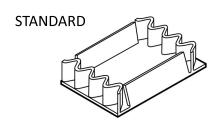
- Ultra light weight
- Simple mobility
- Wheels are optional
- Adjustable stand capable of different discharge heights.
- Optimize work space and storage.
- Safe and Reliable. The connecting frames can be easily adjusted to suit job specific requirements in line with production and demand.

#### FLAT IDLER ROLLER STYLE CAPACITIES

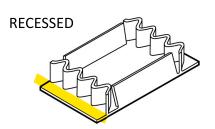
Belt Style	Belt Width	Trough Angle	CFH* @100 FPM	Lbs/Ds/Hr		
	16"		510	28,000		
Flat	18"	20	650	36,000		
	24"		1270	70,000		

\*CFH = Cubic feet per hour.

### CORRUGATED BELT STYLE CAPACITIES



Angle



	ANGLE OF INCLINE										
Belt Width	0°	15°		30°			45°			60°	
beit width	SURCHARGE ANGLE										
	10°-30°	10°-30°	10°	20°	30°	10°	20°	30°	10°	20°	30°
18" standard	1400	1400									
18" standard w/cleats		1400	360	661	1086	207	290	475	138	179	242
18" recessed	850	850									
18" recessed w/ cleats		850	219	401	659	125	176	288	83	108	147
24" standard	2000	2000									
24" standard w/ cleats		2000	515	945	1550	295	414	679	197	256	346
24" recessed	1450	1450									
24" recessed w/ cleats		1450	373	685	1125	214	300	492	143	185	250
30" standard	2600	2600									
30" standard w/ cleats		2600	669	1228	2017	384	539	882	256	333	449
30" recessed	2050	2050									
30" recessed w/ cleats		2050	527	968	1590	302	425	696	202	262	354
36" standard	3200	3200									
36" standard w/ cleats		3200	824	1512	2480	472	663	1086	315	409	553
36" recessed	2650	2650									
36" recessed w/ cleats		2650	682	1252	2054	391	549	899	261	339	458

Chart capacities expressed in cubic feet per hour at 100 FPM belt speed.

#### TYPICAL APPLICATIONS

#### MUNICIPAL WASTEWATER / DRINKING WATER

- Municipal Sludge • Screening / Debris
- Grit
- Inorganic solids
- Raw Sewage
- Return Sludge
- Secondary Treatment Wastewater

#### **INDUSTRIAL**

 Cosmetics Ceramics

• Chemicals

- Carbon Black
- Plastics
- Glass Cullet
- Aggregate
  - Catalysts
  - Fiberglass
- Rock / Minerals / Sand
- Industrial Oil Sludge
- Lumber & Wood Byproducts
- Pulp / Paper
- Soaps / Detergent

#### **AGRICULTURE**

- Fertilizer Grain
- Carbon Black Plastics
- Aggregate
  - Catalysts
- Rock / Minerals / Sand • Industrial Oil Sludge
- Pulp / Paper
- Cosmetics

#### **OTHER**

- Organic Mineral
- · High Organic Dyeing
- Pharmaceutical Sludge
- · Asphalt, Crushed
- Coal
- Cement



















