

SCREW CONVEYORS

The equipment of choice for handling wet, coarse, sticky and stringy materials: wastewater screenings, dewatered sludges, grit, food processing and pulp and paper waste. Choose from standard equipment designs or a custom layout for your specific application, including:

SHAFTLESS SCREW CONVEYORS
SUBMERGED GRIT SCREWS
SCREENINGS PRESSES
GRIT COLLECTORS
GRIT CLASSIFIERS

ADVANTAGES

COMPLETELY ENCLOSED

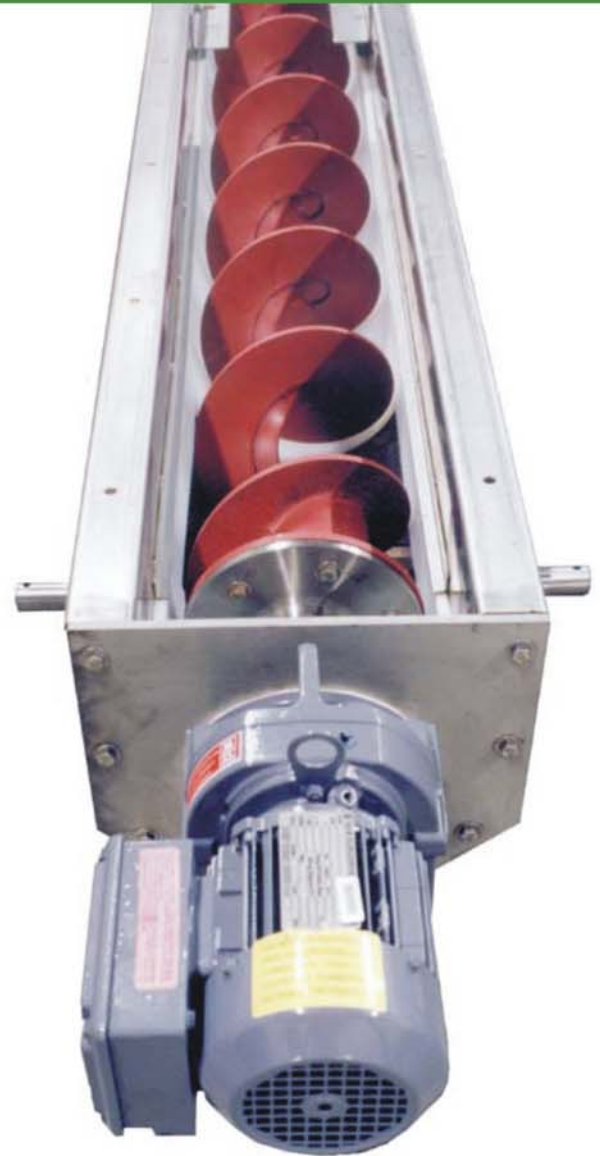
CEMA standard shaftless screw conveyors for new and retrofit applications - material handling systems enclosed for personal safety, odor control, product containment and to maintain clean and sanitary conditions. Shaftless screws may also be retrofit into existing shafted screw conveyor troughs.

HIGH RELIABILITY

Low maintenance and minimal possibility of plugging or jamming because there are no internal shafts or bearings to foul or restrict product flow.

LONG SERVICE LIFE

Trouble-free operation is ensured by use of non-corrosive materials of construction - stainless steel and engineering plastics.



WTP EQUIPMENT CORP. BAR SCREENS & SCREENINGS DEWATERING PRESS

WTP EQUIPMENT CORP.

Manufacturers of Engineered Environmental Treatment Systems

TORONTO, CANADA

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THE ADVANTAGES

OF SHAFTLESS SCREW MATERIALS HANDLING TECHNOLOGY

FEATURES

- SCREW CONVEYORS, SCREENINGS PRESSES, GRIT COLLECTORS and GRIT CLASSIFIERS are available in a wide range of sizes, capacities and custom configurations.
- Completely enclosed conveying for product containment, odor control and personal safety.
- No internal bearings or shafts - minimal maintenance, high reliability.
- Hollowshaft helical gearmotor direct drive - high efficiency, accessibility, low maintenance - incorporating CEMA recommended service factors.
- Safety features include: automatic torque overload and/or loss of motion shut-off; rope-activated stop switches; automatic shut-off for opened access covers.
- Optional "pushing" drive arrangement allows trough end direct discharge, eliminating plugging, for trouble-free direct material transfer.
- Optional discharge bagger to contain conveyed product within an enclosed plastic bag.
- Completely automated, integrated process control systems.

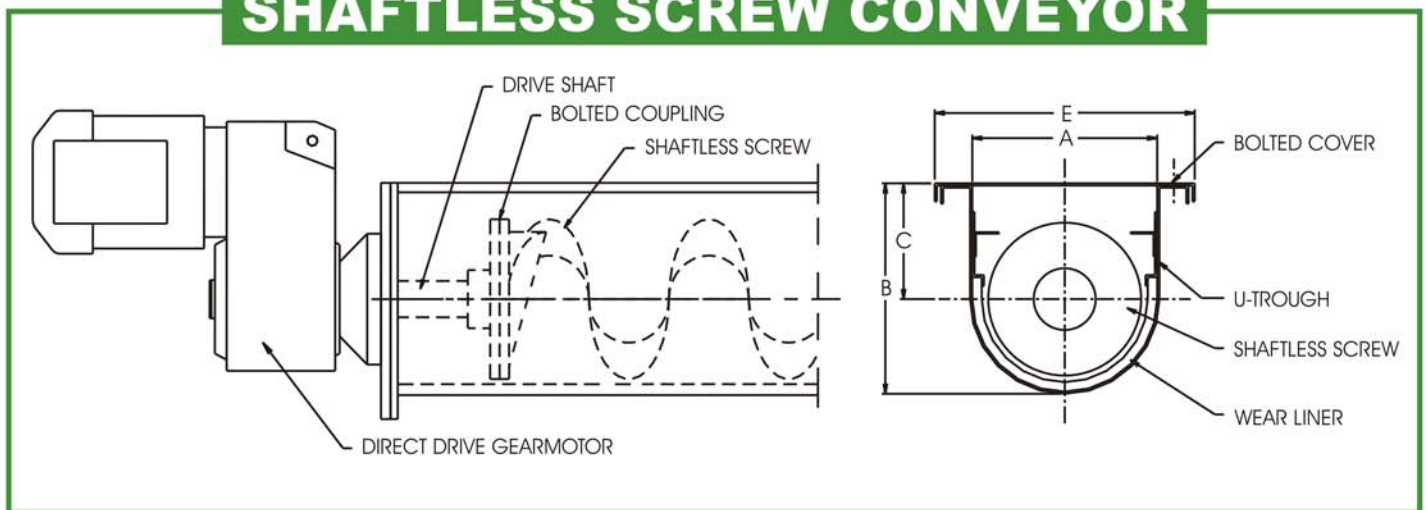
CONSTRUCTION

- Screws are formed from high quality, hardened alloy steel or stainless steel flatbars.
- Screw troughs, housings and chutes are manufactured to CEMA standards.
- Stainless steel construction for maximum corrosion protection and long service life.
- Screw troughs provided with easily replaceable non-metallic sheet wear liners.
- Stainless steel drive shafts provide corrosion protection and easy maintenance.

SCREW CONVEYOR CEMA TROUGH DIMENSIONS

Trough Width A		Overall Height B		Drop C		Outside Width E	
in.	mm	in.	mm	in.	mm	in.	mm
7	178	8-1/8	206	4-1/2	114	9-11/16	246
10	254	11-1/4	286	6-1/8	156	13-3/8	340
13	330	14-3/8	365	7-3/4	197	17-1/2	444
17	432	19-1/4	489	10-5/8	270	21-1/2	546
19	483	21-3/4	543	12-1/8	308	24-1/2	622
21	533	24-1/8	613	13-1/2	343	26-1/2	673

SHAFTLESS SCREW CONVEYOR



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