

EAGLE

SCREW CONVEYORS

BUILT FOR YEARS OF DEPENDABLE SERVICE

Available in a wide range of designs and materials.

Mild Steel, galvanized steel and stainless steel are inventoried for immediate delivery.

Auger systems can be custom designed to provide the intended rate of material delivery and distance. Each custom screw is designed and manufactured specifically for its intended purpose and conveying application.

Today the Screw Conveyor plays an important role in a wide variety of industries. Because it is compact, versatile and economical, it has become one of the most useful mechanisms for the transport and distribution of bulk materials. Aside from its utility as a means of moving materials, the Screw Conveyor, with certain modifications and/or variations in mechanical arrangement, may also be used to perform a number of other important functions. It can be used to mix, blend or agitate. In applications where close control of material flow is critical, the Screw Conveyor may be used as a highly accurate metering device. Operating in a jacketed housing it may be used as a heating or cooling device. Because it can be effectively sealed, it is extremely valuable in applications where dust or fumes must be confined inside the conveyor or where moisture or contaminants must be kept out.

No matter what your requirements, you may be assured that Eagle is always a dependable source for quality and reliability in Screw Conveyor Equipment and related components.

U TROUGH AUGER SYSTEMS

FEATURES:

- All Welded Heavy Gauge Steel
- Hot Dipped Galvanized, After Welding
- 6", 9" and 14" Screw sizes
- Standard Flighting or Heavy Duty
- Pre-Fitted, Flanged Trough Sections
- Flange Mount Gear Drive
- OSHA Approved End Bearings
- Hangar Bearings
- Optional UHMW Liners
- Trough Ends: Several Bearing and Seal Styles are Available
- Trough, Covers, Clamps, and Shrouds are Ruggedly Constructed "U" Style
- Supporting Feet and Saddles, Align and Fasten the Trough to the Floor



THE EAGLE GROUP LTD.

TUBULAR SCREW CONVEYOR SYSTEMS

Tubular Screw Conveyors and Feeders range is a highly versatile modular system that offers plenty of standard material handling solutions. Depending on the characteristics of the material to be handled, different types of intermediate hanger bearing assemblies, a variety of shaft seals, direct drive assemblies with or without coupling, or offset belt and chain transmission drives are supplied. According to the application, various screw designs, as well as inlet and outlet spout variations are available.



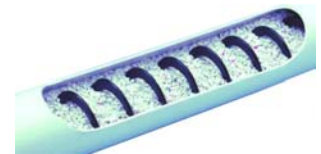
A vast range of fabricated and mechanical accessories complete the range.

FLEXIBLE “CORELESS” AUGER SYSTEMS

Flexible “Coreless” Auger Systems represent a new idea in bulk material handling. The material is conveyed safely, by heavy duty screw flighting without a center pipe or internal hanger bearings.

The shaftless flighting simply slides on a special wear-resistant tubing thereby eliminating product entanglement around a center shaft or jamming the product against an internal hanger assembly.

The following features make the Flexible “Coreless” Auger System the ideal solution for all those applications where DIFFICULT materials have to be handled without being damaged.



The Flexible “Coreless” Auger System can be incorporated as a single 'stand alone' unit or integrated into a highly complex system.

REFERENCE

Capacity Table Horizontal Screw Conveyors

PLEASE NOTE: The rates stated below are approximate values for reference ONLY. Free flowing plastic pellets were used to establish the values. For other materials such as granules, flakes, powders, etc. please contact Eagle with your specific project requirements.

Loading	Screw Diameter	Capacity: Cubic Feet Per Hour at Maximum RPM
50%	6"	370 ft ³ at 165 RPM
50%	9"	1280 ft ³ at 155 RPM
50%	12"	2800 ft ³ at 145 RPM
50%	14"	4360 ft ³ at 140 RPM

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