



# S. HOWES

SINCE 1856

## SCREW CONVEYORS

### SAMPLE APPLICATIONS

- GLASS BEAD
- CHEMICALS
- COSMETICS
- PIGMENTS
- PLASTICS
- PELLETS
- RESINS
- BATTER
- IQF
- SPICES
- PEANUTS
- FOOD INGREDIENTS
- SUGAR
- SALT
- PET FOOD
- BIOMASS
- DEHYDRATED FOODS
- WOOD PRODUCTS
- METAL POWDERS
- COFFEE
- FERTILIZER
- GRAPES

*TESTING & RENTAL  
UNITS AVAILABLE*



SPLIT TUBE

TUBULAR

U-TROUGH

CUSTOM



ISO 9001:2015



CARRIER  
PROCESS  
EQUIPMENT  
GROUP, INC.

# SCREW CONVEYORS



## ENGINEERED-TO-ORDER

S. Howes' sales and engineering personnel can recommend a standard design for your application or work with you to develop a custom design, depending on your unique needs. If the features you need are not listed, call to see how we can develop a solution to meet your requirements.





### STANDARD FEATURES FOR ALL S. HOWES CONVEYORS

- HEAVY-DUTY construction is standard, starting with 7 gauge troughs and ¼" flighting
- Stainless steel, carbon steel, or other alloys available for construction
- Portable, inclinable standard designs
- Inclined or horizontal
- Bottom mount direct drive, top mount available
- Continuous or intermittent auger weld

### OPTIONAL FEATURES

- High grade finishes up to #4 or higher
- Agitators for hoppers
- Various shaft seal options
- Low clearance augers
- Oversized shafting
- Custom drive arrangements
- Motor Controls
- ... built to your specifications & requirements

### CONVEYOR MODELS

	<h4>SPLIT TUBE</h4> <ul style="list-style-type: none"> <li>• Unique S. Howes design</li> <li>• Hinged covers allow for easy access and cleaning</li> <li>• Perfect for food applications</li> <li>• Hoppers are removable</li> <li>• Maintenance friendly</li> <li>• Tubular conveyor efficiency</li> </ul>
	<h4>TUBULAR</h4> <ul style="list-style-type: none"> <li>• Economical</li> <li>• Enclosed tubular housing</li> <li>• Ideal for single-product use</li> <li>• Eliminates U-Trough dead space</li> <li>• Heating &amp; cooling options</li> <li>• Limited access to auger</li> </ul>
	<h4>U-TROUGH</h4> <ul style="list-style-type: none"> <li>• Accessible auger</li> <li>• Cover options</li> <li>• Heating &amp; cooling options</li> <li>• Variety of liners available</li> <li>• CEMA options</li> </ul>
	<h4>CUSTOM</h4> <ul style="list-style-type: none"> <li>• Multiple augers</li> <li>• Unloading hoppers</li> <li>• Live-bottom bins</li> <li>• Non-standard sizes</li> <li>• Plastic augers</li> </ul>

### HOPPER OPTIONS

	<h4>STANDARD</h4> <ul style="list-style-type: none"> <li>• Standard sizes of 1 ¼, 2 ¼, 4, and 5 ½ cubic feet are available</li> <li>• Larger holding capacity options</li> <li>• Custom covers</li> <li>• Removable or bolted safety grating</li> <li>• Spiked agitator options</li> </ul>
	<h4>THRU-FLOW</h4> <ul style="list-style-type: none"> <li>• Designed for difficult materials prone to bridging</li> <li>• Easily mates to other equipment</li> <li>• Stub or flanged connection</li> <li>• Optional jacket for heating and cooling</li> </ul>
	<h4>CONICAL</h4> <ul style="list-style-type: none"> <li>• Perfect for difficult materials prone to bridging</li> <li>• Spiked or ribbon agitators available</li> <li>• Vibratory options</li> </ul>
	<h4>CUSTOM</h4> <ul style="list-style-type: none"> <li>• Custom engineered agitators</li> <li>• Special geometry</li> <li>• Dust hoods</li> <li>• Self-unloading hoppers</li> <li>• Magnets &amp; metal detectors</li> </ul>

### CONVEYOR CAPACITY GUIDE\* (OTHER SIZES ARE AVAILABLE)

AUGER DIAMETER	4"	6"	8"	9"	10"	12"	14"	16"	18"	20"	24"	30"	36"
MAX CAPACITY (FT <sup>3</sup> PER HOUR)	120	380	820	1,200	1,700	2,800	4,400	6,000	8,000	11,000	16,400	29,500	43,500

\* Capacities are approximate and dependent on several factors. Contact S. Howes to discuss your specific application.