

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

HOPPER OPTIONS

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

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 ³ 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.