

CUSTOM SCREW CONVEYORS

BUILT PRECISELY FOR MAXIMUM UPTIME™



PRECISION

PRECISION MACHINE & MANUFACTURING, INC.



Flights, screws, troughs,
and complete systems
made to order

Meticulously engineered
for your application

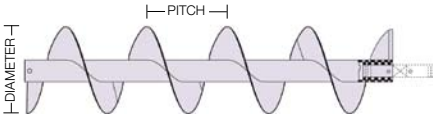
Designed for the world's
harshest environments



PRECISION CONVEYOR SCREWS, TROUGHING AND COMPONENTS

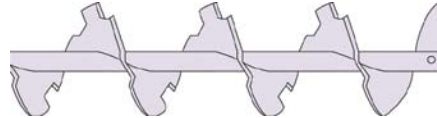
Custom-designed and manufactured screw conveyors from Precision Machine help you achieve maximum productivity. They significantly boost your processing efficiency and uptime with long-term performance. We manufacture screws to any specified size using commercially available materials. Our design engineers and skilled craftsmen transform customer ideas into long-lasting, hard-working custom equipment solutions. **Some of our innovative designs:**

SECTIONAL FLIGHTS AND SCREWS



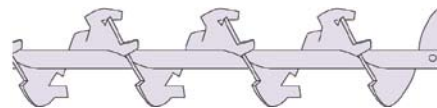
Flights of uniform thickness from OD to ID available in most alloys and hardnesses. Ideal for applications where wear is an issue. Available in diameters and pitches that are not available in helicoid. Longer life than helicoid screws.

CUT FLIGHTS



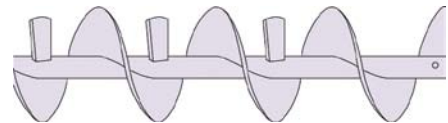
For mixing and agitating materials in transit. For materials that tend to pack.

CUT AND FOLDED



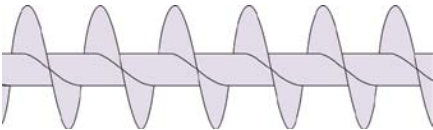
For aerating light materials. Folded segments lift and spill material. Partially retarded flow provides thorough mixing action.

MIXING PADDLES



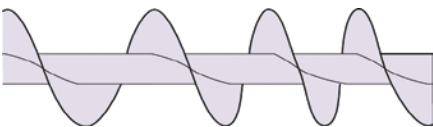
Any screw design can be fitted with paddles for greater mixing action and to slow material flow. The paddles are welded opposite to the hand of the screw flighting. They are adjustable in hand and pitch, if necessary.

SHORT PITCH



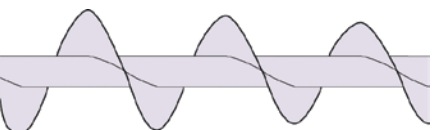
For inclined screw applications. For materials that aerate and become fluid.

VARIABLE PITCH



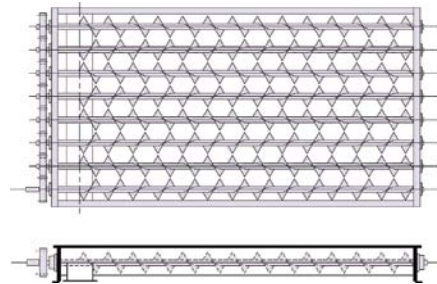
Combination of various pitches. For uniform withdrawal of fine free-flowing materials over the full length of inlet opening.

TAPERED FLIGHTS



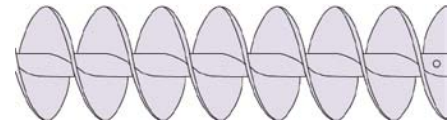
Gradual increase in flight diameter for uniform withdrawal of lumpy materials. Equivalent to, but more economical than, variable pitch.

LIVE BOTTOM FEEDER



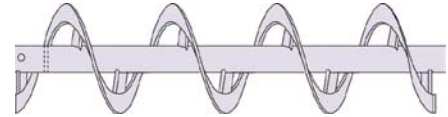
Works best with materials that pack or bridge easily, and is designed to be used on straight-sided bins. The bin bottom is composed of tandem feeder screws which draw material out equally from the full width.

DOUBLE FLIGHT



Two separate helices for smooth uniform flow.

RIBBON SCREW



For conveying sticky or viscous materials. The open flight eliminates collection and build-up of material.

BUILT PRECISELY FOR MAXIMUM UPTIME™

There are rotary valves, feeders, or screw conveyors that are priced less than Precision, but none that make you more efficient, more productive, or more profitable. For moving virtually any dry, granular or powdery material smoothly in measured amounts, nothing performs better. The built-in quality of the materials and finishes we use easily handles abrasive substances like fly ash, coal, coke, volcanic cinders, diatomaceous earth and pebble lime. All designs are available in left- or right-hand flow directions. All machining, welding, and manufacturing services are performed in the USA.

We've been designing and manufacturing smarter products of unmatched value for over 30 years. Our innovative engineering department and skilled craftspeople work with customers to create unique solutions that give them a competitive edge by increasing throughput, improving efficiency, and maximizing uptime. Are you pushing productivity? We can help. Call us.

For more information or a quote, call toll free 1-800-722-9841 or email sales@premach.com.



PRECISION

PRECISION MACHINE & MANUFACTURING, INC.

1290 S. Bertelsen Road
Eugene, Oregon 97402-5700
541-484-9841 main
541-484-4094 fax

www.premach.com



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ROTARY FEEDERS



SCREW CONVEYORS



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