



Precision Machine and Manufacturing, Inc.

- Precision Machine Valves
- Precision Rotary Feeders
- Custom Machined Parts
- Welding and Fabrication



Precision Machine and Manufacturing, Inc., is an innovative and quality-oriented manufacturer of a diverse range of industrial products. Combining machine shop operations, fabrication capabilities and a state-of-the-art CNC department, Precision Machine and Manufacturing, Inc. serves many customers in many different industries.

For more than 20 years we have put our commitment to quality, service and cost-efficiency for our customers as top priority. We have grown to become an industry leader capable of producing any machine component and able to handle any job.

From the agricultural to wood products industries, our manufactured products are known for quality, design, and excellent workmanship. Throughout these industries you will find satisfied customers currently using our Precision Machine Valves (PMV), Precision Rotary Feeders, and machining and fabrication services.

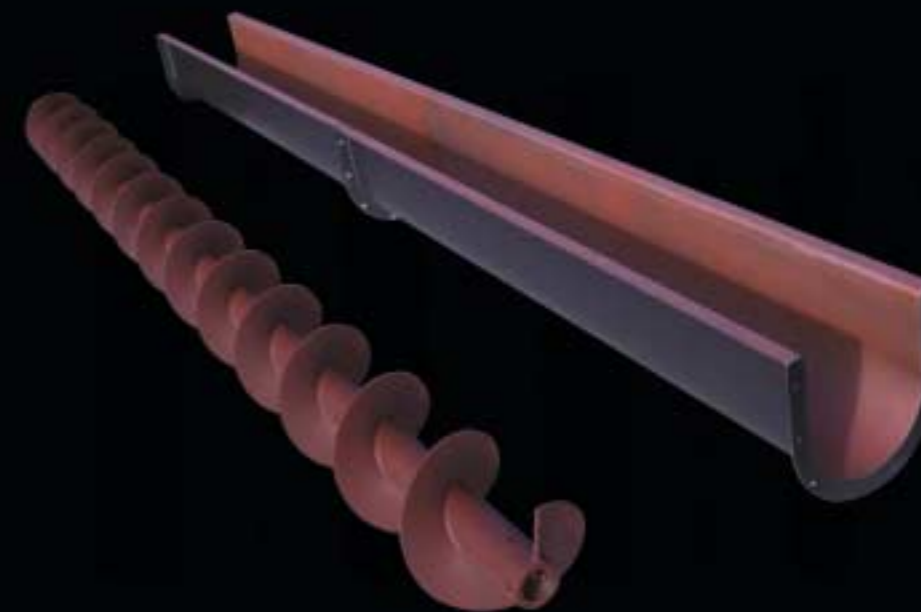
Precision Machine and Manufacturing, Inc.'s precise engineering, durable construction and high quality materials ensure that each Precision Screw Conveyor is the best in its class. Call, fax or e-mail today for more information.



Precision Screw Conveyor

*Quality
Skill
Precision*

*Engineering
and design to
meet your
needs!*



Precision Machine and Manufacturing, Inc.

1290 S. Bertelsen Rd.
Eugene, OR 97402-5700

Phone (541) 484-9841

Fax (541) 484-4094

E-mail: sales@premach.com

engineering@premach.com

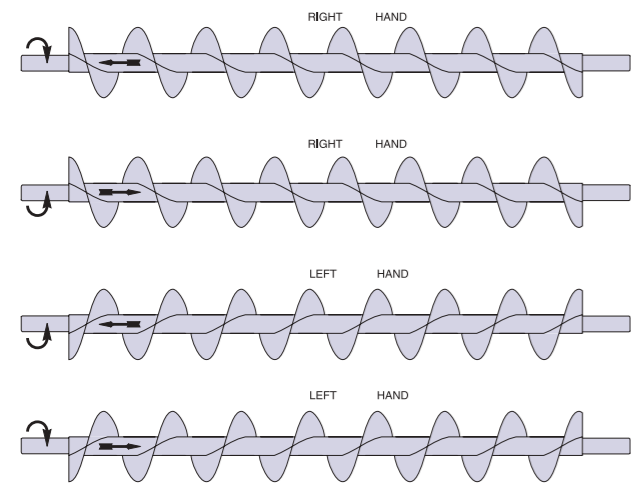
Web Site: www.premach.com

Precision Machine and Manufacturing, Inc.

Special Screw Designs

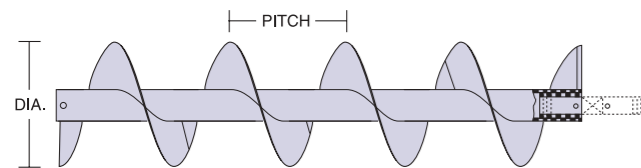


Precision Machine and Manufacturing, Inc. manufactures screws to any size requirement and from most commercially available materials. We also fabricate conveyor troughing and all component parts in the same material range. Our skilled engineers and precise craftsmen can transform your ideas into working pieces of equipment.



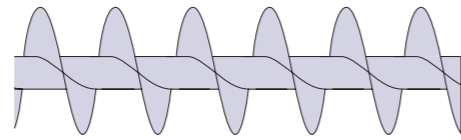
“Hand” of Conveyor

Available in either left or right-hand. The rotation of the screw will determine the material flow direction.



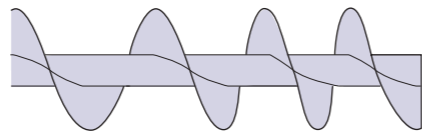
Sectional Screws

Sectional flights are constant in thickness and assure a tight gripping action along the pipe. The flights may be welded continuously on one or both sides. Seamless internal collars are at each end to accommodate the shafts on all screw designs.



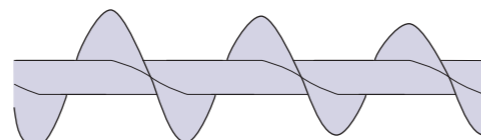
Short Pitch

This is any pitch under standard, usually half pitch. It is often used at full length in inclined conveyors to maintain efficient conveying action.



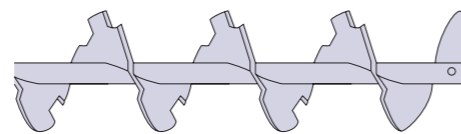
Variable Pitch

Variable pitch screws permit a draw off of material for the entire length of the opening so that material does not bridge.



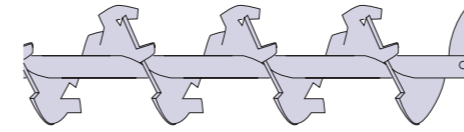
Tapered Diameter

Often used with half pitch to create greater flexibility in conveyor designs, the tapered diameter creates a draw off of material for the entire length of the opening.



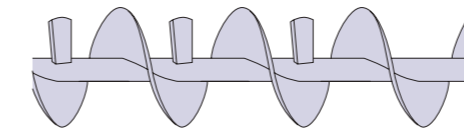
Cut Flights

Deep notches in the flight result in an extremely efficient mixing action of dry materials at high speeds. This construction is also beneficial for materials that tend to ball or lump.



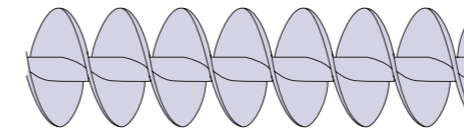
Cut and Folded

The deep notches and folds of the flight agitate materials even more than cut flights. It is useful for cooling or drying light materials in combination with dome type covers.



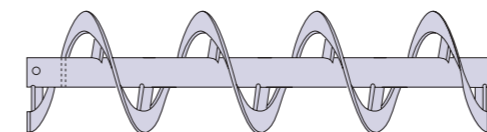
Mixing Paddles

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.



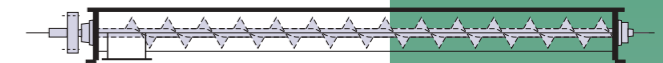
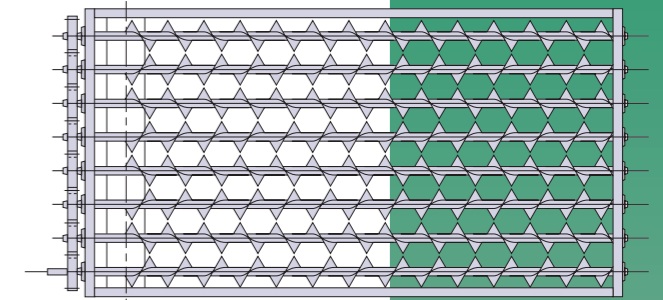
Double Flight

The double flight is made up of two rows of the same hand wrapped around the pipe. It creates a level flow of material from the conveyor, minimizing surges.



Ribbon Screws

Often used in mixing applications, the open ribbon design is best suited for handling sticky materials which usually collect where the flight meets the pipe.



Live Bottom Feeder

This 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.

