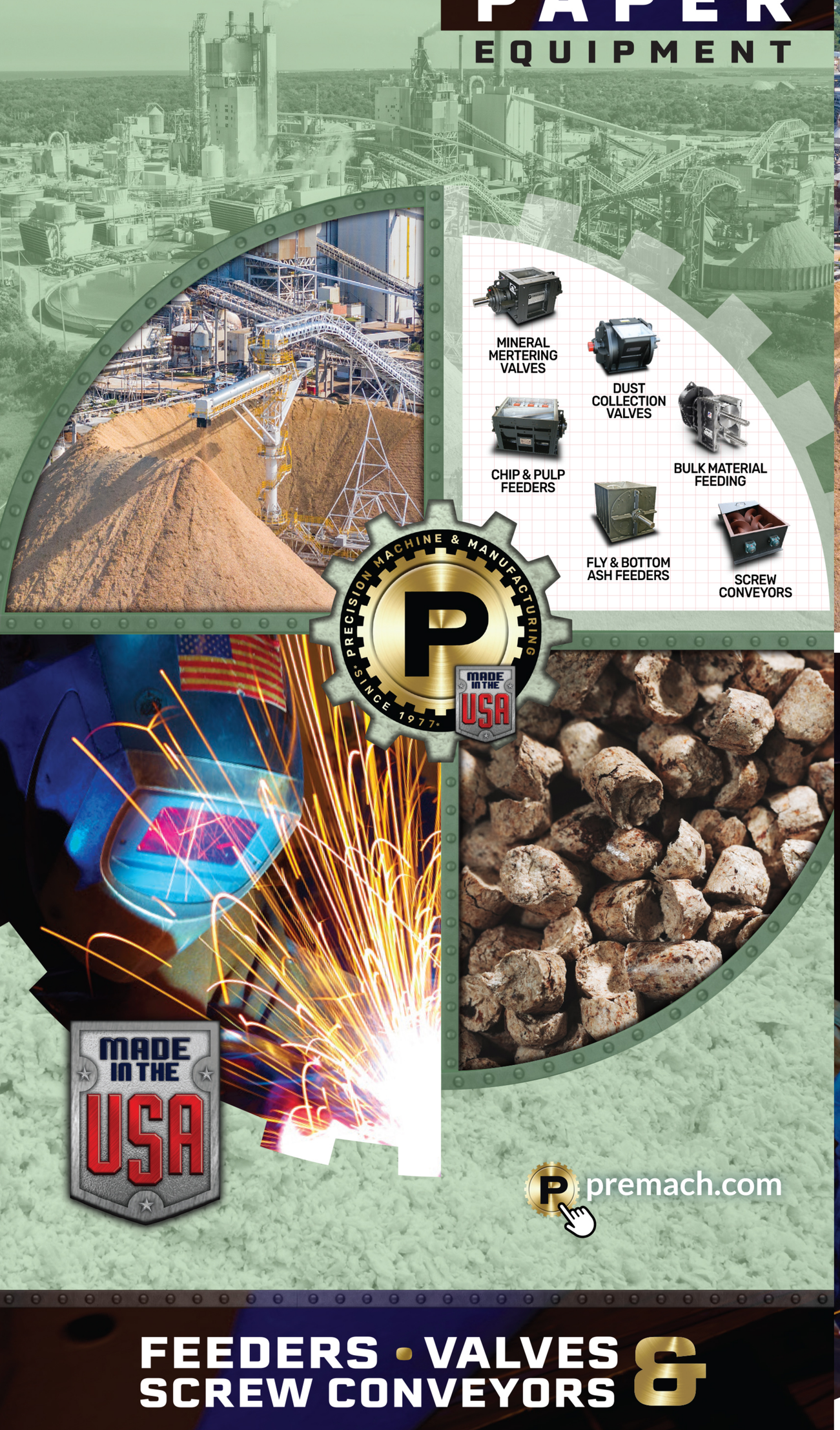
PRECISION
MACHINE & MANUFACTURING

PULP & PAPER EQUIPMENT



MINERAL MERTERING VALVES

DUST COLLECTION VALVES

CHIP & PULP FEEDERS

BULK MATERIAL FEEDING

FLY & BOTTOM ASH FEEDERS

SCREW CONVEYORS

MADE IN THE USA

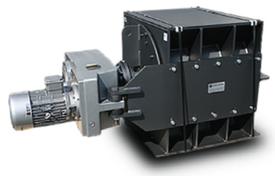
premach.com

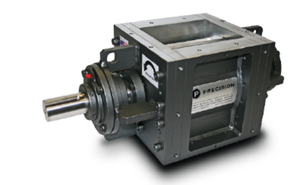
FEEDERS • VALVES & SCREW CONVEYORS

PRODUCING PAPER

is a complicated, time-sensitive process and you cannot afford to not be fully operational!

Put your trust in Precision components and we WILL NOT let you down!





Precision Machine & Manufacturing's components are precisely crafted from raw materials that are made right here in the United States of America!

Quality you can count on!

premach.com

CONTACT PRECISION TODAY

For more information or a quote.

541-484-9841
sales@premach.com

PRECISION
MACHINE & MANUFACTURING
1290 S. Bertelsen Road
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PULP & PAPER EQUIPMENT

The paper making process is absolutely fascinating regardless of the type of paper products being manufactured!
Choosing the right components will maximize plant productivity!

1 MINERAL METERING VALVES

When it comes to precisely metering abrasive and corrosive materials, putting the right rotary valve inline can make the difference between a **successful operation** and one that is constantly causing downtime!

- Precision Machine & Manufacturing valves are manufactured with extremely tight tolerances, which ensures false air is not introduced into the system.
- Modular design! Easy to maintain, no need to replace the entire unit, only replace the worn parts!
- Manufactured from a special abrasion resistant alloy to ensure functionality and dependability.
- A successful track record of eliminating downtime and increasing throughput, while also reducing maintenance costs.

2 CHIP & PULP FEEDERS

Not all feeders are created equal! Precision feeders are able to process a variety of material types in varying sizes and with its hardened steel knife, all discharged materials are uniform in size, which eliminates persistent blockage issues.

- Eliminates blockage issues!
- Easily handles a variety of alternative fuel types.
- Precision feeders can be rebuilt! The days of the old throw away cast iron feeders are long gone. Put a Precision feeder on site and continue to rebuild the same feeder for years to come.

3 DUST COLLECTION VALVES

The amount of dust and airborne particulates created by the paper making process can be challenging to manage and is why most pulp & paper plants are closely scrutinized. This is one reason why the industry leaders trust Precision valves for their dust control efforts!

- Precision Machine & Manufacturing manufacturers components that when compared to other competitive valves over their lifetime will:
  - Provide superior functionality!
  - Easily handle a variety of material types and sizes.
  - Precisely meter the required amount of material.
  - Are rebuildable! No throw away components here!
  - Extremely durable! Built with 500 Brinell wear parts!
  - Provide outage to outage maintenance free durability!

4 FLY & BOTTOM ASH FEEDERS

Some of the most abrasive and hardest to handle materials are the leftovers from burning coal or alternative fuels to generate power. Keeping the system functioning properly with these highly abrasive materials can be extremely challenging!

- Precision Machine & Manufacturing manufactures a line of ultra-duty valves that are ion-nitride treated to provide exceptional durability and abrasion-resistance.
- When it comes to moving large volumes of highly abrasive materials, putting the right feeder in place can be the difference between worktime and downtime!

5 SCREW CONVEYORS

Precision custom engineers every screw conveyor specifically to its operational environment, which ensures maximum longevity, durability and throughput!

- Precision Machine & Manufacturing builds screw conveyors that move the materials other "common" screws fail to stand up to in comparison.
- Handles the most difficult materials with ease!
- High-Temp!

6 SELF CLEANING ROTARY VALVES

When it comes to handling the most difficult material types and/or maintaining the most critical systems, the self-cleaning rotary valve is the preferred option.

- Configured to clean itself and eliminate DOWNTIME!
- The absolute best self-cleaning valve available.
- Significantly reduces maintenance costs!

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MINERAL METERING VALVES

When it comes to metering minerals and/or powdery materials, such as Calcium Carbonate, Titanium Dioxide, and/or Talc to name a few, the modular rotary valve is hands-down the most effective option. Made from a specially formulated abrasion-resistant alloy, the Precision Rotary Valve functions as a metering device and an airlock!

1

- Meter abrasive minerals and powdery materials
- Built with specialty 500-Brinell abrasion-resistant alloys
- Modular- Wear item replacement
- Save energy!
- High-Temp!

CHIP & PULP FEEDERS

Equipped with a helical rotor along with a stationary hardened steel knife, which ensures that only the correctly sized material is being metered and dispensed into the operation!

2

- Hardened stainless steel knife slices large pieces
- Meters material of all shapes & sizes
- Super tight clearances to avoid false air introduction!
- Perfect for organic material!
- Rebuildable

DUST COLLECTION VALVES

Capture dust and other airborne particulates before they escape into the environment. A successful dust collection system centers around a Precision valve!

3

- Tight-Tolerances- Minimizes blowby!
- Keeps the trapped air from escaping!
- Precisely meters the material!
- Pneumatic line injectors

WHY PRECISION?
Made in the USA!
Quality, Durability & Functionality!
Strong Warranty!
WHEN ONLY THE BEST WILL DO!

6

- Dual sweeper rotor keeps the pockets clear
- Rounded pockets to promote material release
- Modular- Wear item replacement
- Reduce Maintenance costs and downtime!

SELF CLEANING ROTARY VALVES

When it comes to the most difficult material types, which cause the operational system to go down at the worst possible moment, the self-cleaning rotary valve is by far the best option! This proprietary self-cleaning unit eliminates down time and maintenance costs!

5

- Precisely engineered
- Durable & Functional!
- Handles the most difficult materials
- Abrasion resistant
- Rebuildable

SCREW CONVEYORS

When it comes to moving the most difficult of material types, Precision is the only option! Hot, abrasive, sticky, the more difficult the better!

- Rounded rotor pockets
- Combined durability & functionality!
- A metering device AND airlock!
- Maximum throughput
- Abrasion resistant

4

FLY & BOTTOM ASH FEEDERS

Able to easily process massive amounts of fly and bottom ash, without prematurely wearing out important components.

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Precision Machine & Manufacturing's components are 100% manufactured in the United States of America!

$20,000+ PER HOUR

According to a recent study, this is the average cost incurred by a Pulp & Paper mill when unscheduled downtime shuts the system down for a single hour.

For an 8-hour shift, this equates to $160,000+ In downtime costs!

This unscheduled downtime and the associated costs is what fuels **Precision Machine & Manufacturing** to build the highest quality material handling components in the industry!

Made in the USA and built with specialty wear resistant alloys solely intended to provide Pulp & Paper plants with outage-to-outage coverage.

$20,000+ per hour is too much to ask anyone to pay for faulty components, so the question isn't "Can you afford Precision Machine & Manufacturing?", it is **"Can you continue to afford this costly downtime?"**

PRECISION IS THE ANSWER!

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