

Extreme Material-Handling Challenges - Require **EXTREME** Components!



PRECISION

MACHINE & MANUFACTURING



DOUBLE SLOPE ROTARY FEEDER

A Heavy-Duty,
high-volume metering
airlock that is built
to do one thing...
**Move Massive
amounts of material!**

 premach.com

**"A metering device and a
high-capacity airlock all in one!"**



Rotary Feeders • Rotary Valves • Screw Conveyors



Maximize Output. Minimize Downtime.

When it comes to moving massive volumes of granular or powdery materials with low moisture content, Precision's Double Slope High Volume Rotary Feeder is the preferred choice!

A metering device and a high-capacity airlock all in one!



DOUBLE-SLOPE ROTARY FEEDER

Key Feature of the Double-Slope Rotary Feeder

Rotor

The 8-vane mild steel rotor pocket is tipped with stainless steel for durability and comes in a straight or helical closed vane configuration depending upon the materials being moved. Optional abrasion resistant steel alloy is available.



Double Slope

The PMRD is manufactured with Double Slopes to aid the flow of materials. The slopes are each manufactured from 3/8" - 1/2" 500 Brinell abrasion-resistant steel for durability.



Over-Engineered & Over-Built!



Barrel

The PMRD Rotary Feeder Barrel is precisely shaped to provide minimal spacing between the rotor blade and the barrel surface. This significantly reduces air blow by and keeps material flowing as intended.



Upgrades & Accessories

A variety of upgrades and options exist to ensure your PMM Rotary Feeder is properly equipped for each individual application.



HD Bearings

Equipped with high load outboard tapered roller bearings, which are heavy-duty, industrial grade to ensure proper shaft alignment.



REBUILDABLE!

Unlike common cast-iron feeders, the PMRD Rotary Feeder can be rebuilt to new factory specifications, and obtain a new factory warranty!

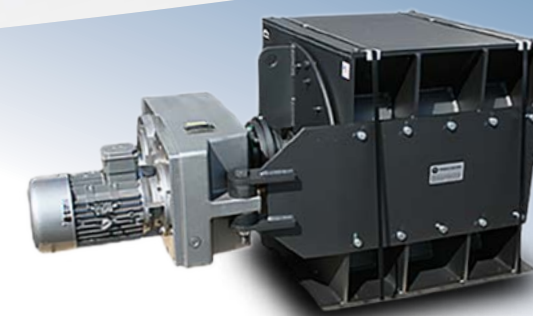
Focused Industries



Maximum Throughput

The Double-Slope Rotary Feeder is built to deliver massive amounts of material, while minimizing airflow between the upper and lower atmospheres. Day in and day out the Double-Slope Rotary Feeder can be counted on to perform!

The Double-Slope Rotary Feeder is completely rebuildable! Refresh, Rebuild and Reuse!



DOUBLE-SLOPE ROTARY FEEDER


Key Advantages

- ✓ **Made in the U.S.A!** Every day hard-working Americans use materials sourced from the U.S to build the highest quality, most durable rotary feeder in the industry.
- ✓ **Quality!** Simply put, PMM's Rotary Feeders will outlast common cast-iron feeders by 2:1, easily!
- ✓ **Rebuildable!** PMM's Rotary Feeders can be rebuilt and refreshed, while also obtaining a new factory warranty.
- ✓ **Engineered Solution!** All Double-Slope Rotary Feeders have been engineered to meet the specific needs of the application.
- ✓ **Airlock Functionality!** Minimizing the amount of air that is able to pass between the rotor blades and the housing is the key to maximizing throughput.

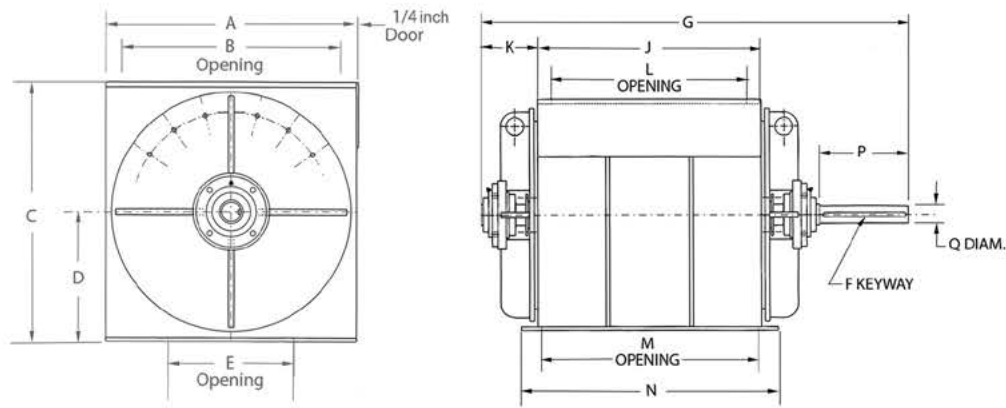
Precision Machine & Manufacturing's Double Slope Rotary Feeders are precisely crafted from raw materials that are made right here in the United States of America!

Over-Engineered & Over-Built Quality & Dependability that you can count on!



 premach.com

Choose the right size for your unique material handling application.



CAPACITIES & DIMENSIONS

***Cubic Feet Per Revolution**

Size	*CFR	A	B	C	D	E	F	G	J	K	L	M	N	P	Q
PMRD-14X18	0.93	18.00	15.00	18.00	9.00	9.00	1/2 X 1/4 X 7-1/4	44.0000	19.25	9.1900	15.00	18.00	22.00	8.3800	1 15/16
PMRD-16X20	1.46	20.00	16.00	21.00	10.50	10.00	1/2 X 1/4 X 6 7/16	43.8125	21.00	8.0625	16.50	20.00	24.00	6.8125	1 15/16
PMRD-20X20	2.19	25.00	21.00	26.00	13.00	13.00	1/2 X 1/4 X 7 5/8	44.0625	21.00	7.5625	16.00	20.00	25.00	7.9375	2 3/16
PMRD-20X25	2.93	25.00	21.00	26.00	13.00	13.00	5/8 X 1/4 X 7 5/8	49.0625	26.00	7.6875	21.00	25.00	30.00	8.9375	2 7/16
PMRD-20X30	3.66	25.00	21.00	26.00	13.00	13.00	1/2 X 1/4 X 7 5/8	54.3125	31.00	7.6875	26.00	30.00	35.50	7.9375	2 3/16
PMRD-25X30	5.65	31.00	27.00	32.00	16.00	16.00	5/8 X 5/16 X 10	58.1250	31.00	8.3750	27.00	30.00	35.50	10.3750	2 7/16
PMRD-25X35	6.78	31.00	27.00	32.00	16.00	16.00	3/4 X 3/8 X 10	63.3750	36.00	8.5000	31.00	35.00	40.50	10.3750	2 7/16
PMRD-30X30	8.45	38.00	34.00	38.00	19.00	18.00	3/4 X 3/8 X 9 15/16	59.5000	31.00	9.0625	26.00	30.00	38.00	10.3750	2 15/16
PMRD-30X35	10.30	38.00	34.00	38.00	19.00	18.00	3/4 X 3/8 X 10 3/4	65.3125	36.00	9.0625	31.00	35.00	43.00	11.1875	2 15/16
PMRD-30X40	11.10	38.00	34.00	38.00	19.00	18.00	3/4 X 5/16 X 10 3/4	69.7500	41.00	8.8125	35.00	40.00	47.00	11.1875	2 15/16
PMRD-30X45	12.70	38.00	34.00	38.00	19.00	18.00	7/8 X 7/16 X 12 3/4	77.0625	46.00	9.0625	40.00	45.00	52.00	13.4375	3 7/16
PMRD-35X45	17.20	44.00	36.00	44.00	22.00	22.75	1 X 1/2 X 12 11/16	82.6250	49.00	10.3125	41.75	47.75	55.25	13.5000	3 15/16
PMRD-35X50	19.35	44.00	36.00	44.00	22.00	22.75	1 X 1/2 X 12 11/16	87.6250	54.00	10.3125	46.75	52.50	60.25	13.5000	3 15/16
PMRD-35X55	21.50	44.00	36.00	44.00	22.00	22.75	1 X 1/2 X 12 11/16	91.6250	58.00	10.3125	52.00	56.75	65.75	13.5000	3 15/16
PMRD-45X45	30.00	56.00	46.00	56.00	28.00	32.00	1 X 1/2 X 12 11/16	89.7500	49.00	13.6250	41.75	47.00	55.25	13.5625	3 15/16
PMRD-45X50	33.75	56.00	46.00	56.00	28.00	32.00	1 X 1/2 X 15 3/16	95.9375	53.00	13.6250	47.00	51.25	60.50	15.7500	4 7/16
PMRD-45X55	37.50	56.00	46.00	56.00	28.00	32.00	1 X 1/2 X 12 11/16	98.1875	58.25	13.3750	52.25	56.50	65.50	13.2500	3 15/16



REBUILDABLE

Built to provide long lasting durability and a return on investment for many years to come. PMM's Rotary Feeders are all completely rebuildable and come with a new manufacturer's warranty.

UPGRADEABLE

PMM's Rotary Feeders come with a variety of upgrades, options, and surface treatments to ensure a precisely equipped material metering air lock is put into your operation.

**CONTACT
PRECISION
TODAY**

For more information.

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