

# **Degelman**

**ENGINEERED TOUGH**

**RENN  
ROLLER MILLS**

**RENN  
HAMMER MILLS**

## **RENN GRAIN PROCESSING**



## **GET CONSISTENT GRAIN PROCESSING QUALITY YOU WANT WITH RENN MILLS**

RENN understands that in grain processing, the end result is everything.

Whether you are feeding 200 cow/calf pairs, 10,000 dairy cows or 75,000 beef cattle, , RENN's durable Roller Mills, Hammer Mills, and Bagger Mills offer a flexible design that delivers consistent, high-quality feed for any type or size of livestock operation.



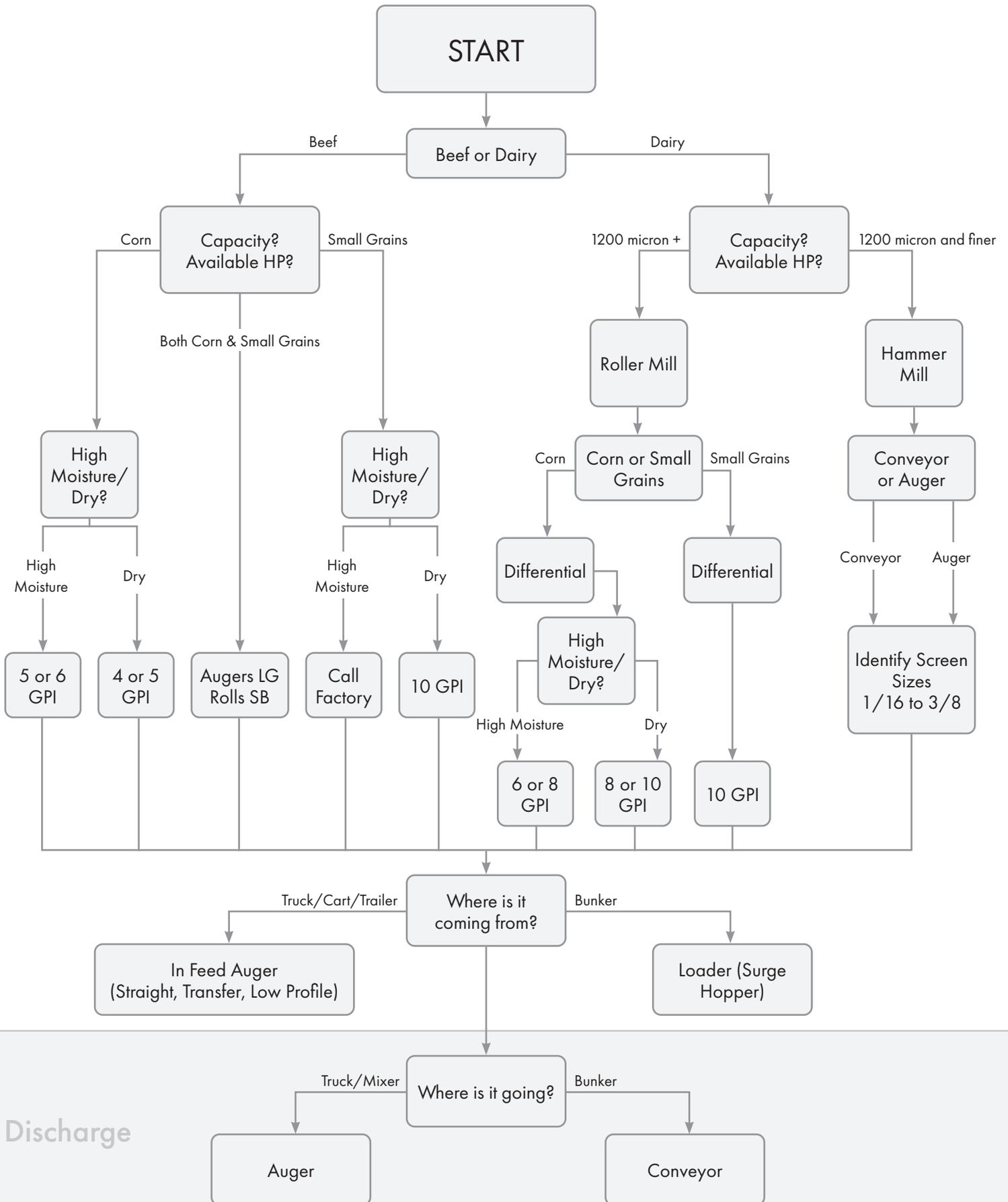
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# CHOOSE THE MILL BEST FOR YOUR OPERATION



# RENN ROLLER MILLS

RENN Roller Mills can be tailored to meet the needs of any grain processing application.

We offer two different types of rolls – steel or cast; multiple roll configurations ranging from 2 to 12 grooves per square inch in straight or spiral pattern depending on the particle size you require – and a variety of input and discharge options, including auger infeed, surge hopper, auger discharge and conveyor discharge. We offer many choices so that we can build a Roller Mill that is perfectly designed to consistently meet the specific grain processing needs for your beef, dairy or poultry.



## Maximize Productivity

RENN Roller Mills have a proven record of excellence in the grain processing industry for maximizing productivity while providing durable, consistent performance and easy of serviceability.

For over 60 years the heart of the RENN Roller Mill has been its precision-machined 16" diameter rolls, which provide more grain rolling area per revolution compared to other brands of roller mills with smaller diameter rolls. RENN Roller Mills save time and money year after year by rolling more grain per hour with less horsepower.

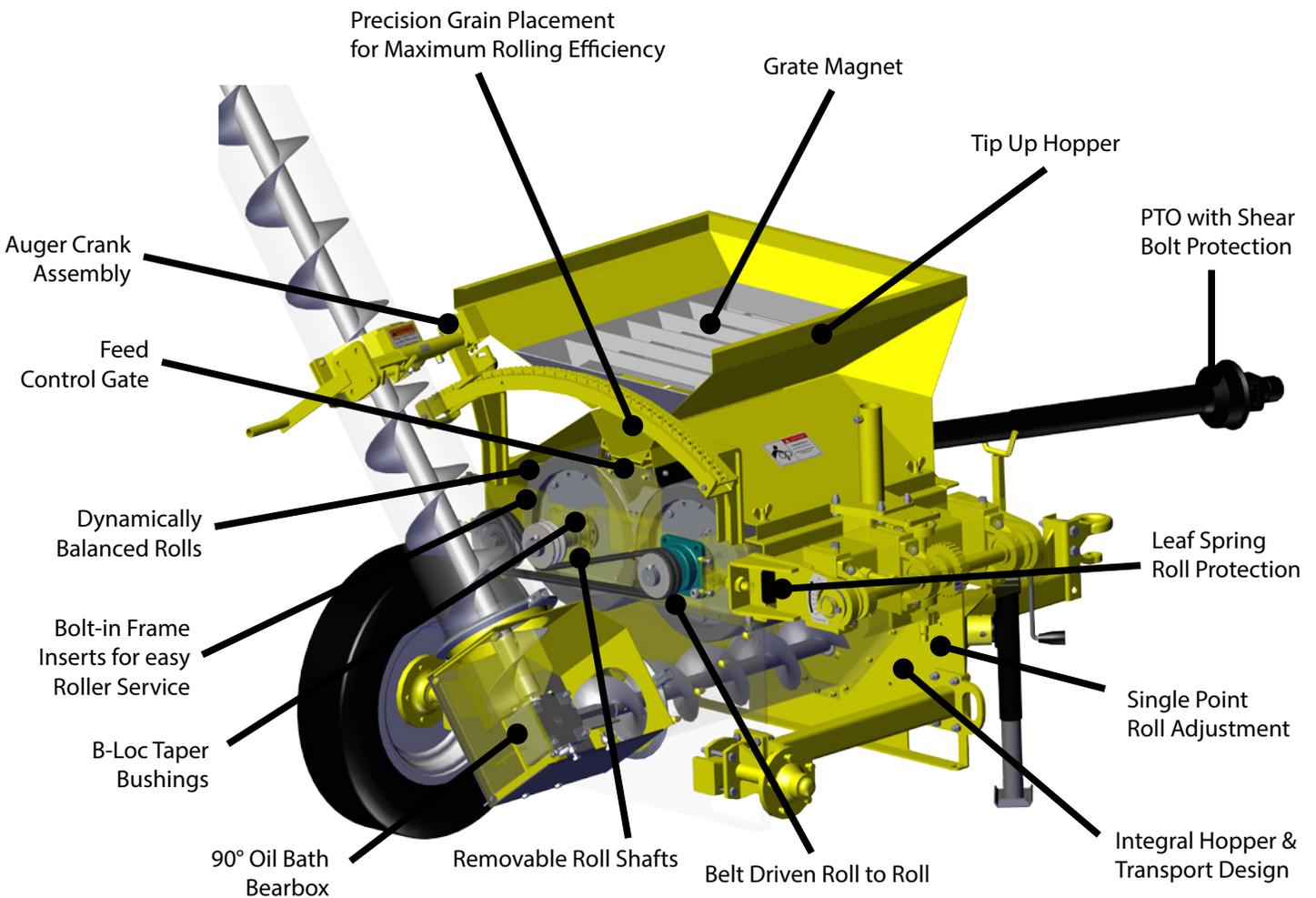
RENN's unique, centrifugally-poured, chill-cast rolls are its latest advancement in rolling technology, giving you the long-wearing durability of cast rolls with the enhanced serviceability of removable shafts and end plates.



## Low Power Requirement

Unlike conventional, solid-core cast rolls, our 16" diameter casting with a 3" thick sidewall provides the performance of chill-cast rolls with the advantage of a lower power requirement and better economics, as you are no longer paying for the unusable center core of the roll.

The RENN Roller Mill design ensures operator efficiency and time-saving serviceability. The RENN worm drive roll adjustment allows for easy roll gap adjusting while the RENN leaf spring holds the rolls in place for maximum rolling capacity. The rolls can be pulled for service in minutes due to RENN's tip-up top hopper and split frame design, making it fast and easy to re-groove and re-install them, for thousands more tonnes of trouble-free rolling.



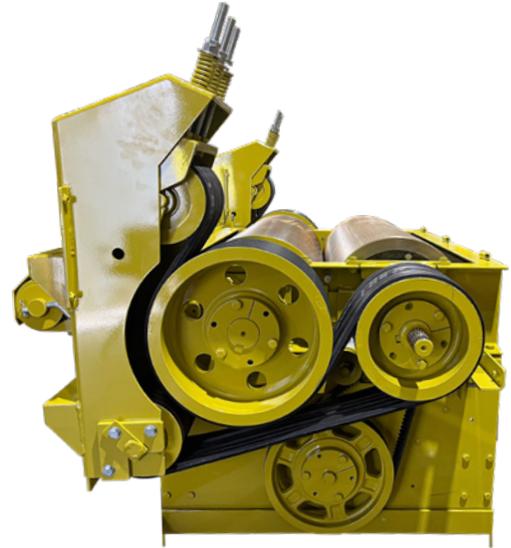
# Differential Drive

The optional RENN 40% Differential Drive has idler and driver rolls positively driven at two different speeds for optimal particle reduction or high moisture rolling. It is also self-cleaning to prevent plugging. RENN Roller Mills are available in PTO powered trailer or Electric Stationary models, and offer various input, power, and discharge options. PTO models have a minimum power requirement of 30 to 250 horsepower, while Electric Stationary units operate with a minimum power requirement of 10 to 60 horsepower.

## MAXIMUM RATED GRAIN CAPACITY

Model	Barley		Corn		Oats		Wheat	
	t/hr	bu/hr	t/hr	bu/hr	t/hr	bu/hr	t/hr	bu/hr
RMC 3x 48	88	3600	402	15000	53	3000	162	6000
RMC 2X60	64	3000	334	12500	42	2500	136	5000
RMC 2X48	52	2400	268	10000	36	2000	108	4000
RMC 60	32	1500	167	6250	21	1250	68	2500
RMC 48	26	1200	134	5000	17	1000	54	2000
RMC 36	19.5	900	101	3750	12.9	750	40.8	1500
RMC 24	13	600	67	2500	8.6	500	27.2	1000
RMC 12	6.5	300	33.5	1250	4.3	250	13.6	500
RMC 12S	4.9	225	25.1	935	3.2	185	10.2	375

Capacity will change with moisture content, roll configuration, and particle size desired



## Discharge Systems

- **Auger Discharge** - Built for operator efficiency and serviceability, it comes in 7", 8", 10", 12", and 14" diameter sizes and is available in most RMC models.
- **Conveyor Discharge** - Designed to process large volumes of high moisture grains quickly, RENN offers conveyor sizes of 18", 24", and 36".

## SPECIFICATIONS

RENN Roller Mill Model	Roll WxD (in.)	Shaft Dia. (in.)	Min. Elec. HP	Min. (PTO) HP	PTO Std.*	Auger Discharge	Conveyor Discharge	Hyd. Feed Auger	Differential Roll Speed **
RMC 3x 48	Three 48x16	2 15/16	N/A	250	1000	N/A	36"	N/A	3 x 16cc Belt
RMC 2X60	Two 60x16	3 7/16	N/A	225	1000	N/A	36"	N/A	2 x 16cc Belt
RMC 2X48	Two 48x16	2 15/16	N/A	180	1000	N/A	36"	N/A	2 x 16cc belt
RMC 60	60x 16	3 7/16	60	130	1000	14"	24"	12"	2 x 8cc belt
RMC 48	48x16	2 15/16	50	110	540/1000	12" or 14"	18"	12"	2 x 8cc belt
RMC 36	36x16	2 15/16	40	90	540/1000	10" or 12"	N/A	10" or 12"	12cc belt
RMC 24	24x16	1 15/16	20	60	540	7" or 10"	N/A	6" or 8"	8cc belt
RMC 12	12x16	1 15/16	12	30	540	7" or 8"	N/A	6" or 8"	3bb belt
RMC 12S	12x12.75	1 15/16	10	N/A	N/A	N/A	N/A	N/A	N/A

\* PTO Speeds can vary with rolling requirements (contact factory for details)

\*\* Power requirements increase by up to 50% for differential drive

# RENN HAMMER MILLS

## High-Capacity, High-Moisture, Fine Particle Reduction with RENN Hammer Mills

Dairy and commercial livestock operations that require a very fine grind (finer than 1,200 microns) and need to process large volumes of high-moisture grain should look no further than the RENN 22" diameter, full circle Hammer Mill.

Offering the same proven durability and performance of our Roller Mills, RENN Hammer Mills feature rigid-mounted, 1/8 or 1/4 inch Hardox hammers and interchangeable screens for optimum capacity and excellent grind quality. The standard screen range in size from 1/16" to 3/8" and are easily



interchangeable thanks to a quick-change, spring-loaded, shock-absorbent screen carriage.

Heavy-duty spherical roller bearings and plate magnet hammer protection make RENN Hammer Mills durable and reliable for processing large volumes of grain. RENN Hammer Mills come with auxiliary PTO auger discharge, conveyor discharge, or standard auger discharge.

## Hammer Mill with Conveyor Discharge

The RENN Hammer Mill with Conveyor Discharge is designed for producers who need to process large volumes of high-moisture grain into a fine grind with speed and ease. The smooth and gentle movement of the conveyor allows the finely ground product to be transferred for bunker storage without the assistance of air – protecting your valuable commodity from blowing away.

## Conveyor Discharge Features

- Heavy-duty PTO with over-running clutch
- 18" hydraulic-driven folding discharge conveyor
- Dual-point pivoting, hydraulically-driven feed auger.



## SPECIFICATIONS

Model	RH - C 2235	RH - C 2248	RH - A2248
Mill Size DxW	22" x 35"	22" x 48"	22" x 48"
Screen Area	2030 sq/in	2784 sq/in	2784 sq/in
Hammers	140 x 1/8"	190 x 1/8"	140 x 1/4"
Shaft Diameter	2 15/16"	2 15/16"	2 15/16"
HP Requirement	200	300	300
PTO	1000	1000	1000
Feed Auger	10" Auger	12" Auger	12" Auger
Discharge	18" Conveyor	18" Conveyor	14" Auger
Capacity (HM Corn)	2500 bu/hr	3400 bu/hr	3400 bu/hr



## RENN AUXILIARY MILLS

The RENN Auxiliary PTO Roller Mill is specially designed to allow operators to run a Roller Mill and Bagger with one tractor. This convenient way of rolling and bagging grain increases harvest efficiency by reducing manpower requirements, eliminating tractor needs, and saving on fuel consumption.



### Auxiliary Drive

The unique Renn Auxiliary Drive gives you the ability to direct drive your bagging/blowing unit off of the back of your roller/hammer mill while having the flexibility of 540 or 1000 input/output with Renn's Auxiliary drive power towers. Whatever the application, drive 2 machines with 1 tractor.



# RENN BAGGER MILLS

You can roll and store high-moisture grain all at the same time with a RENN Bagger Mill for ultimate grain processing efficiency.

RENN Bagger Mills offer the same durability and advanced grain rolling technology of RENN Roller Mills, combined with the smooth and efficient grain bag loading capabilities of a RENN Grain Bagger. The RENN Bagger Mill allows you to roll and store high-moisture grain economically in 4', 5', 6.5', or 8' diameter grain bags, while choosing from a full range of options to precisely match your grain processing needs.



# RENN ELECTRIC MILLS

For over 60 years Renn has worked alongside producers as they feed their livestock. When your application calls for stationary electric, know that Renn has the mill to meet your needs. Ranging from small single-phase mills to large industrial units, you can have confidence knowing the same quality is built into every Renn roller mill, and that it will stand the test of time



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