RENN
Mill Center Inc.

# Roller Mill

## Improve Your Productivity

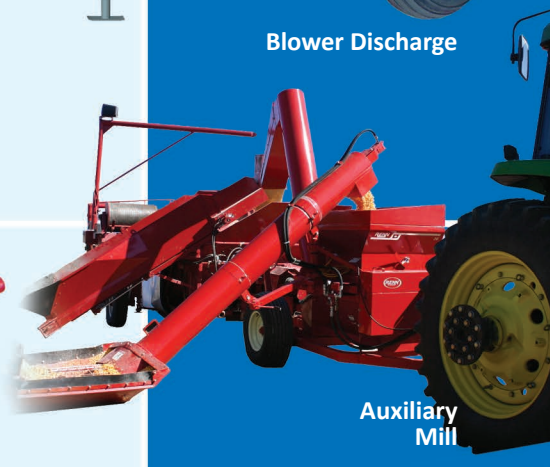
- Farm & Commercial
- Dry and High Moisture Rolling
- Proven Performance
- Reliability
- Serviceability
- PTO or Electric

Auger Discharge

Electric Mill

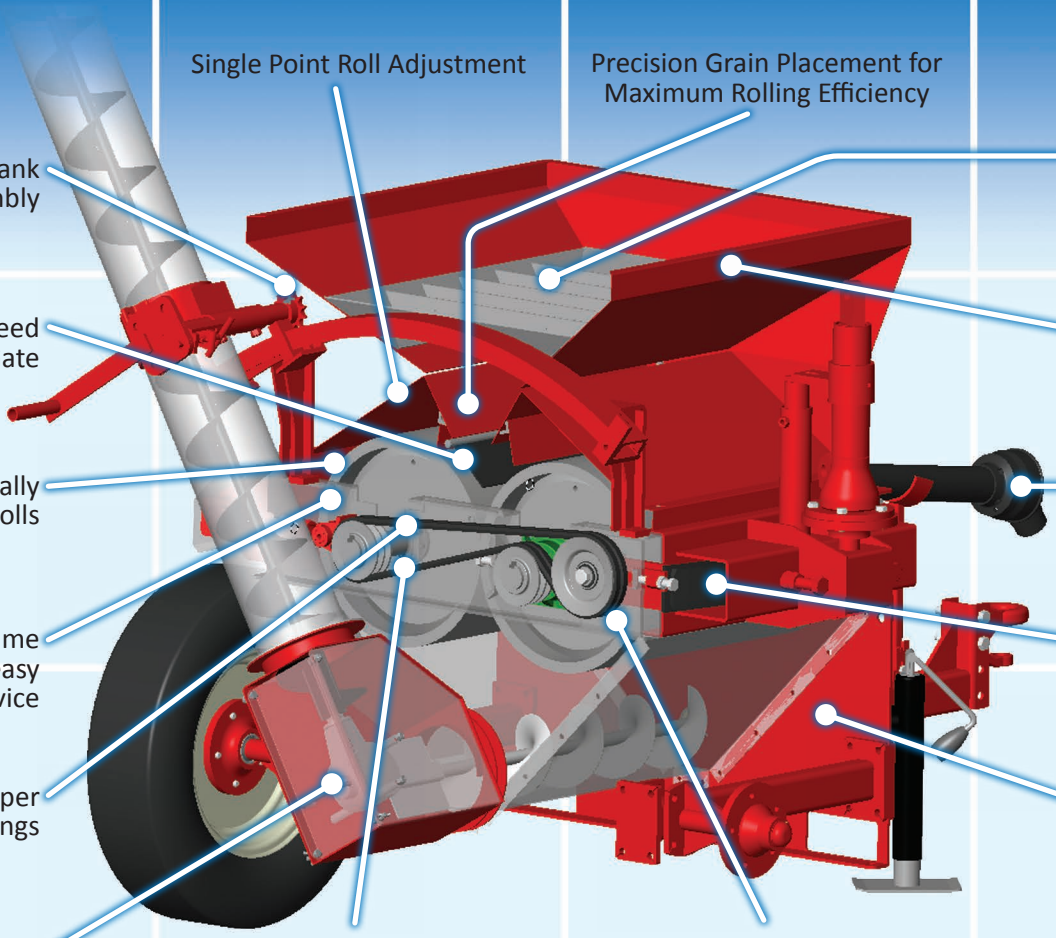
Conveyor Discharge

Blower Discharge

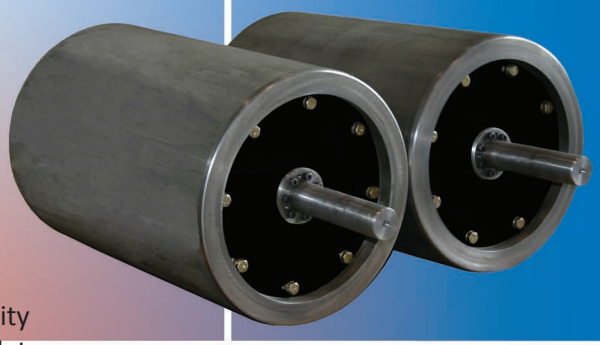


Auxiliary Mill

**RENN...proven record of EXCELLENCE in the feed processing industry for serviceability, durability and productivity.**




## Heart of the RENN Roller Mill



For the last 60 years the heart of the RENN Roller Mill has been its precision-machined 16” diameter rolls. The large diameter provides more rolling area per revolution compared to other brands of roller mills with their smaller diameter rolls. RENN Roller Mills save you time and money year-after-year by rolling more grain per hour with less horsepower.

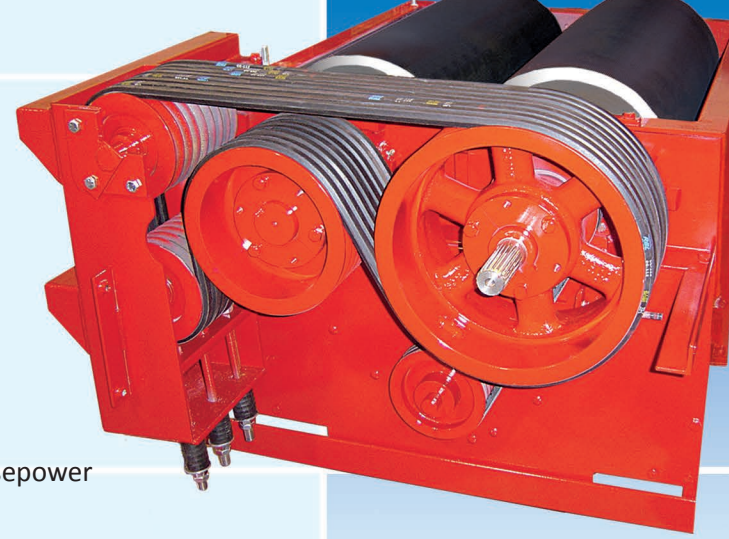
RENN’s unique chill-cast rolls are our latest advancement in rolling technology. These centrifugally-poured, chill-cast rolls give you the wearability of cast rolls with the enhanced serviceability of removable shafts and end plates. Our innovative design team has developed an alternative to the conventional solid core cast roll; incorporating a 16” diameter casting that has a 3”thick sidewall. This new roll has the performance and wearability of chill cast rolls with the advantage of a lower power requirement and better economics as you are no longer paying for the unusable part of a roll; the center core.

The RENN Roller Mill design is proven for operator efficiency and 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. After thousands of tonnes of work the rolls can be pulled for service in minutes due to RENN’s tip up top hopper and split frame design, regrooved and quickly reinstalled for thousands of tonnes of more trouble free rolling.

The performance of the RENN Roller Mill is second to none. The 16” diameter RENN Roller Mill will always outperform any small diameter roller mill.

## RENN 40% Differential Drive

- Offers optimum particle size
- Provides self-cleaning to prevent plugging
- Idler and driver rolls are positively driven at a 40% speed differential for optimal particle reduction
  - Largest differential in the industry



## Powering the Mill

- RENN Roller Mills are available as PTO powered trailer or Electric Stationary models.
- PTO models have minimum power requirement of 15 to 120 horsepower while Electric Stationary units operate with a minimum power requirement of 5 to 50 horsepower.

## Discharge Systems

- **Auger Discharge**
  Built for operator efficiency and serviceability, it comes in 7”, 8”, 10”, 12”, & 14” diameter sizes and is available in most RMC models.
- **Elevator Discharge**
  With exceptional capacity in extreme high moisture rolling conditions, the unit is 8” wide X 10’ high and is available in most RMC models.
- **Blower Discharge**
  RENN offers the industry’s largest and heaviest unit with a high capacity 59” diameter, 8 blade blower that is available in most RMC models.
- **Conveyor Discharge**
  Designed for processing large volumes of high moisture grains quickly with 18”, 24” and 36” wide conveyors on models RMC48, RMC36T and RMC48T respectively.

## Auxiliary PTO Mills

- Tractor or self-contained hydraulics
- Reduced fuel, labour and equipment costs
- Convenience of rolling and bagging in one operation
- Increased harvest efficiency through high capacity rolling and bagging
- Flexibility of rolling directly into bagger or used as an independent PTO roller mill

# Roller Mill Specifications and Configurations

| RENN Roller Mill Model | Roll WxD (in.) | Shaft Dia. (in.) | Min. Elec. HP | Min. (PTO) HP | PTO Std. * | Auger Discharge | Elevator Discharge | Blower Discharge | Conveyor Discharge | Hyd. Feed Auger | Differential Roll Speed ** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RMC 48T | Two 48 x 16 | 2 15/16 | N/A | 180 | 540 / 1000 | N/A | N/A | N/A | 36" | N/A | 2x 16 cc belt |
| RMC 36T | Two 36 x 16 | 2 15/16 | N/A | 150 | 540 / 1000 | N/A | N/A | N/A | 24" | N/A | 2x 16 cc belt |
| RMC 48 | 48 x 16 | 2 15/16 | N/A | 110 | 540 / 1000 | 12" or 14" | 8" x10' | N/A | 18" | 12" | 2x 8 cc belt |
| RMC 36 | 36 x 16 | 2 15/16 | N/A | 95 | 540 / 1000 | 10" or 12" | 8" x10' | 59" dia. | N/A | 10" or 12" | 12 cc belt |
| RMC 30 | 30 x 16 | 2 7/16 | 30 | 80 | 540 | 8" or 10" | 8" x10' | 59" dia. | N/A | 8" or 10" | 8 cc belt |
| RMC 24 | 24 x 16 | 1 15/16 | 20 | 60 | 540 | 7" or 10" | 8" x10' | 59" dia. | N/A | 6" or 8" | 8 cc belt |
| RMC 12 | 12 x 16 | 1 15/16 | 10 | 30 | 540 | 7" or 8" | N/A | N/A | N/A | 6" or 8" | 3 bb belt |

* PTO speeds can vary with rolling requirements (contact factory for details).
** Power requirement increases by 50% for differential drive units.

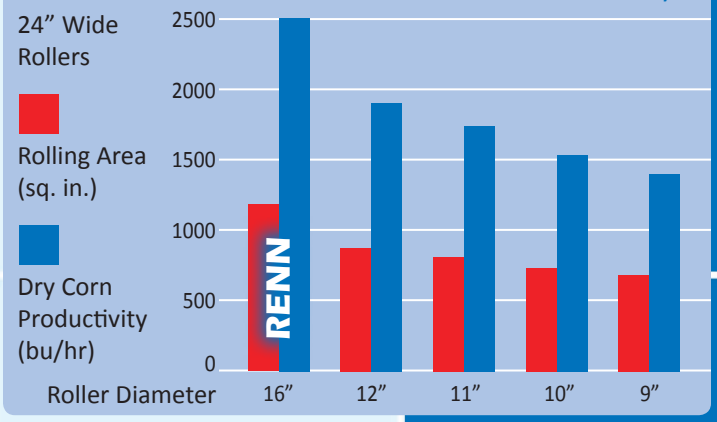
# Maximum Rated Dry Grain Capacity

| Model | Barley t/hr | Barley bu/hr | Corn t/hr | Corn bu/hr | Oats t/hr | Oats bu/hr | Wheat t/hr | Wheat bu/hr |
|---|---|---|---|---|---|---|---|---|
| RMC 48T | 52 | 2400 | 268 | 10000 | 36 | 2000 | 108 | 4000 |
| RMC 36T | 39 | 1800 | 201 | 7500 | 25.8 | 1500 | 81 | 3000 |
| RMC 48 | 36 | 1200 | 134 | 5000 | 17 | 1000 | 54 | 2000 |
| RMC 36 | 19.5 | 900 | 101 | 3750 | 12.9 | 750 | 40.8 | 1500 |
| RMC 30 | 17.4 | 800 | 83.8 | 3125 | 10.4 | 600 | 32.6 | 1200 |
| 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 |

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

# Roll Diameter Makes All the Difference

## Roller Diameter Effect on Roller Area and Productivity




## RENN... listening, learning and leading

For decades RENN has been a global leader in the design and manufacturing of agriculture equipment. From its modern manufacturing plant in rural central Alberta, RENN connects directly with farmers – listening and learning from their on-farm experience to continuously improve its products.

RENN's close client relationships and its commitment to the integrity of its products have won over customers throughout western Canada and around the world. Clients know that every RENN product delivers proven performance, dependability and serviceability. That's what makes RENN the leader in a constantly evolving market.

Authorized Dealership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