

# NEW RM350 CENTRIFUGAL MILL

## ENERGY EFFICIENT MILLING



A new RM350 mill from Hosokawa Micron Ltd uses an innovative single pass material processing concept allied with a non-captive bed to deliver an impressively energy efficient milling process.

With a number of advantageous design features the RM350 mill is suitable for a wide range of powder processing applications up to 9.5 Mohs and provides a versatile and flexible solution for the effective size reduction needs of a wide range of bulk materials.

### Features and Benefits

- Low energy milling
- Single pass material processing
- Suitable for fine particle size reduction and classification
- Consistent particle size distribution
- Compact design allows for restricted space installation
- Modular construction for ease of maintenance and cleaning
- Skid mounted assembly for easy transportation to different process locations resulting in low install cost

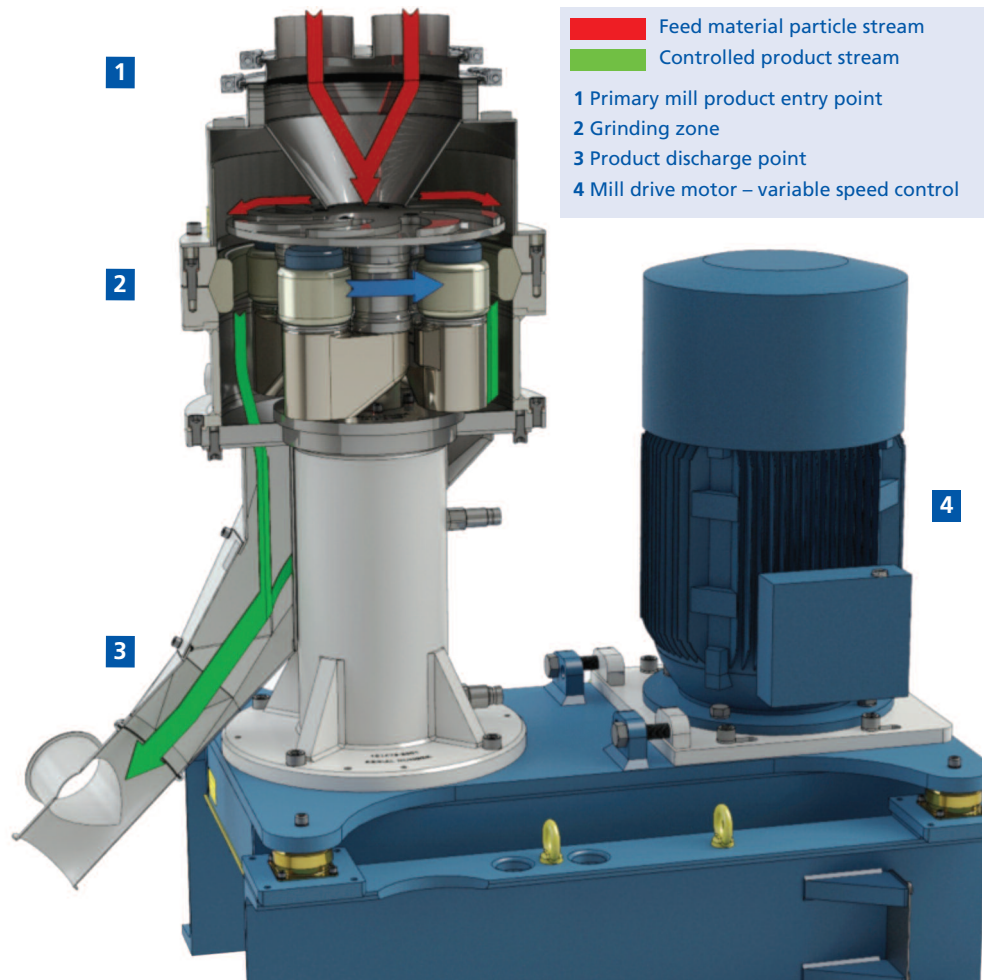
### Typical Applications

The ergonomically designed mill can be used in a range of applications including;

process validation, batch processing, research and development, material preparation and pre-processing routines.

The new RM350 mill is specifically designed to accommodate single pass applications and for finer products requiring classification, providing a flexible solution for the effective size reduction needs of a wide range of materials, including:

- glass
- sodium bicarbonate,
- iron slag and different types of blast furnace slag
- sodium sulphate
- limestone
- zircon sand
- silica sand
- pet-coke
- fly ash



## Design

The modular design of the mill is based on a patented centrifugal grinding mechanism, utilising a special pivoting roller assembly and a static grinding ring. A profiled spreader plate further contributes to a highly energy efficient size reduction capability.

## Compact

The design also minimises induced airflow through the mill. This feature reduces the ancillary equipment needs associated with similar mills and makes the complete installation simple and cost efficient.

## Smooth Controllable Operation

Under steady state conditions the fineness of the product remains consistent. Product particle size distribution changes are easily controlled by step-less adjustment of the mill speed.

## Modular Construction

The modular assembly of the RM350 is designed for efficient strip-down, cleaning and maintenance.



## Ease of Maintenance

A combination of modular construction and nested sub-assemblies deliver quick and easy access for inspection and servicing of the mill.

The mill housing is readily serviceable and designed to be serviced by a single technician.

The entire mill service is executable in-situ by progressively dismantling components from the machine as they become visible during disassembly – ensuring a systematic and progressive maintenance approach is always achieved. Servicing is thus limited to sub-assembly replacement and key item service kits to minimise stock holding, offline periods, and service time. These features have been specifically targeted to lower the cost of ownership.



## Wear Protection for Low Maintenance

The RM350 mill can be offered in a variety of material construction options, including stainless steel.

Optional lining can also be offered for the material flow section of the mill, such as the inlet and discharge assembly, from a variety of material options to suit specific markets and applications.

## System Integration

The RM350 mill can be offered as a hand fed standalone unit retrofitted into an existing plant or as a fully integrated system incorporating classification to deliver maximum optimisation of plant configurations.



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