



Raymond®

High Efficiency Turbine Classifiers for Roller Mills

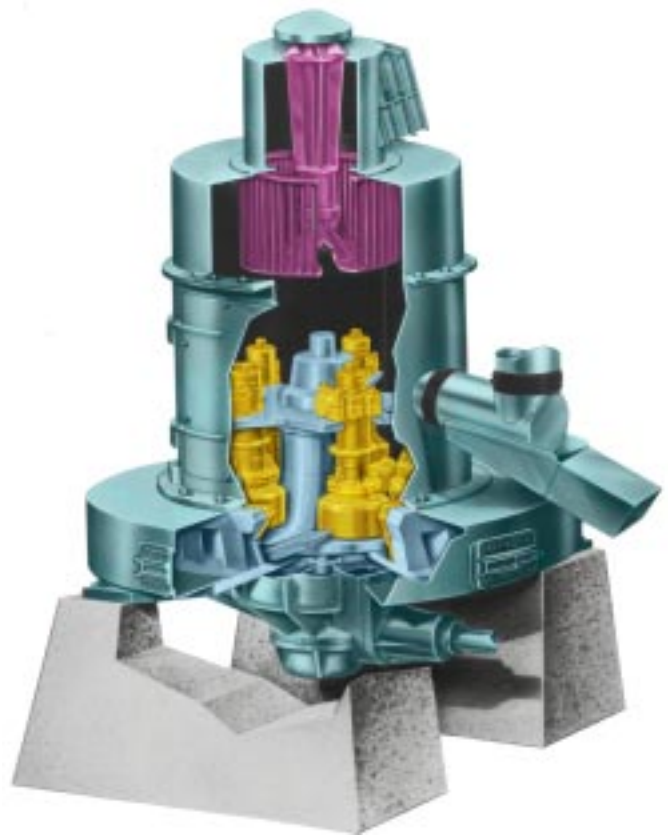
Upgrade Your Pulverizer's Capabilities Fineness - Product Control - Capacity

The Raymond® Roller Mill has long been accepted as the worldwide industry standard for simultaneously pulverizing, classifying and drying soft to medium hard (up to Moh 5) non-metallic minerals and other materials at finenesses to 99+% minus 325 mesh (<1%R 44 microns).

Now, with the addition of a Raymond® Turbine Classifier to your existing roller mill, you can enhance overall system performance and at the same time maintain the critical balance between pulverizing, classifying and drying.

The Raymond® Turbine Classifier is mechanically designed to provide years of trouble free operation. Dynamic analysis of high rotational speeds has resulted in our dependable design and construction to withstand the harsh requirements of most operating environments.

As another of our dynamic particle separation approaches, the Raymond® Turbine Classifier provides the flexibility to meet your specific and often changing requirements. Whether supplied with a new system or retrofitted to an existing mill, you can be assured that Raymond works for you.



Air Preheater Company
Raymond Operations

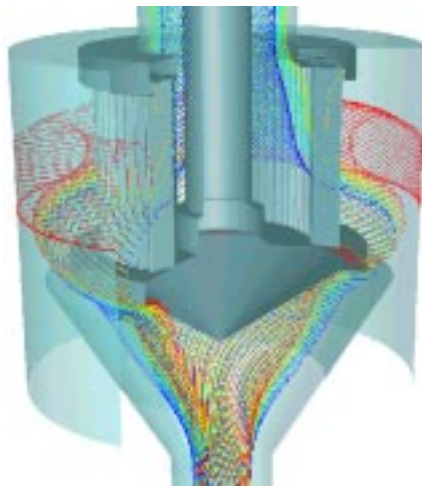
The Raymond® Turbine Classifier has distinct advantages over static and other dynamic classifiers in many applications.

Among these advantages are:

- Ability to produce a finer product directly from a Raymond® Roller Mill. This can eliminate the need for additional downstream pulverizing and classifying equipment.
- Provides accurate and frequently finer top particle size control than static or other dynamic types.
- Allows use of additional air flow on a Raymond® Roller Mill to obtain higher capacities while maintaining optimal control of fineness.
- Aides the beneficiation process through concentration of reject material. Raymond® Roller Mills equipped with throwout devices and a turbine dynamic classifier can obtain rejected material containing higher percentages of nonconforming material, thus yielding more desirable product passing the classifier.

Raymond® Turbine Classifier Specifications for Raymond® Roller Mills

| Roller Mill | Nominal Airflow | | Maximum Airflow | | Classifier Power | |
|-------------|----------------------|-------------------|----------------------|-------------------|------------------|-----|
| | ft ³ /min | m ³ /h | ft ³ /min | m ³ /h | hp | kW |
| 5057 | 10,000 | 16,900 | 12,000 | 20,300 | 30 | 22 |
| 5448 | 12,600 | 21,400 | 15,000 | 25,400 | 40 | 30 |
| 6058 | 15,600 | 26,500 | 18,500 | 31,400 | 50 | 37 |
| 6669 | 22,500 | 38,200 | 27,000 | 45,800 | 75 | 55 |
| 73612 | 31,000 | 52,600 | 37,000 | 62,800 | 100 | 75 |
| 86612 | 46,500 | 79,000 | 56,000 | 95,100 | 150 | 110 |



ALSTOM Power, Air Preheater, Raymond Operations offers a complete selection of static and dynamic classifiers in varying configurations.

Let Raymond evaluate your new project or existing system requirements to provide the best equipment to meet your overall needs. Contact your local representative for further information.

