

Extended Classifier Mill



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The Atritor Extended Classifier Mill contains a grinding rotor and an independently-driven classifier that controls particle size distribution. The grinding zone consists of vertical blades running within close proximity of a formed stator.

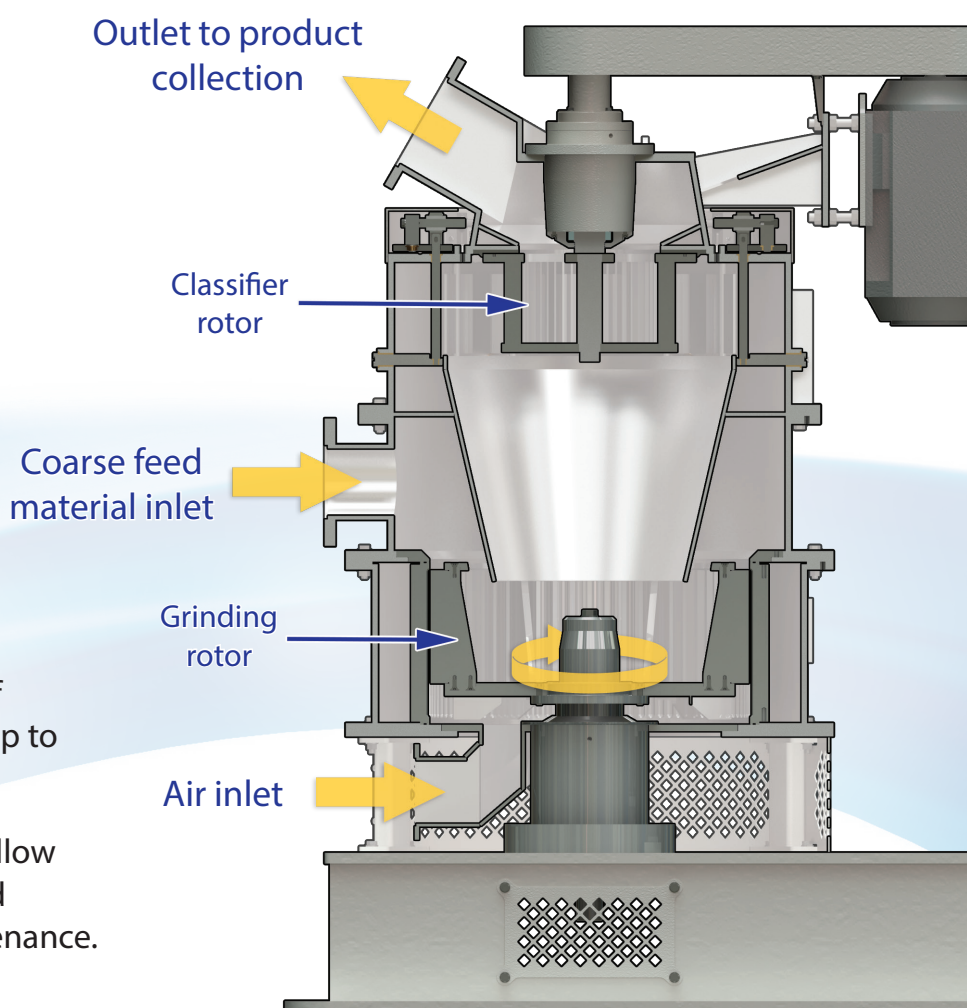
The rotor and stator can be made from a range of materials: stainless steel, hard cast iron, carbon steel, or tungsten carbide tipped carbon steel. The stator can also be made from a large variety of materials.

Typical products have a top size of between 20 and 100 microns. The mill is air-swept and can be run at a wide range of air volumes, depending on product characteristics.

The mill is modular in its construction, and can be custom-built in our in-house machine shop to customer's specifications.

The ECM also has the advantage that it can be used as a dryer. By introducing hot air to the inlet of the mill, evaporative capacities up to 5t/h can be achieved.

The top of the mill is hinged to allow easy access to the rotor, liner and classifier for cleaning and maintenance.



Technical Data

ECM Model	Units	ECM040	ECM060	ECM080	ECM100	ECM130	ECM160	ECM200
Rotor diameter	mm	400	600	800	1,000	1,300	1,600	2,000
Max. speed	rpm	5,500	3,750	2,800	2,250	1,750	1,400	1,125
Max. mill power	kW	37	75	110	160	250	400	630
Max. classifier power	kW	4	7.5	11	18.5	30	55	90
Max. airflow	m ³ /h	4,000	8,000	12,000	18,000	28,000	40,000	60,000
Min. airflow	m ³ /h	1,500	3,000	4,000	6,000	7,000	10,000	15,000