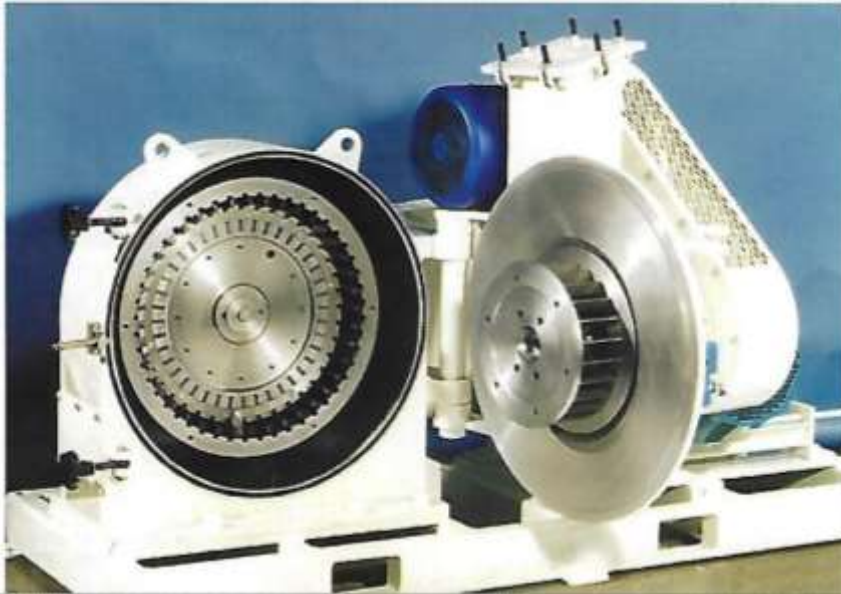


Classifier Mill CLM



Application:

- ▶ Powder coatings
- ▶ Nonmetallic minerals
- ▶ Agricultural chemicals
- ▶ Chemical products
- ▶ Fillers
- ▶ Food products
- ▶ Animal feed
- ▶ Cosmetics
- ▶ Pharmaceuticals

Performance:

- ▶ Capacity 0,2 to 2 t/h
- ▶ Drive power for grinding rotor
3 to 90 kW
- ▶ Drive power for classifier rotor
0,37 to 11 kW

Features:

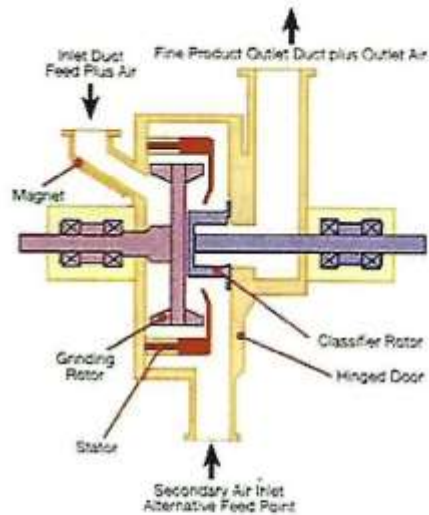
- ▶ Integral forced vortex classifier provides accurate control of product size with sharp cut-off
- ▶ Accurate and consistent product grading
- ▶ On-stream adjustment of product size by variable speed classifier rotor
- ▶ Controlled generation of superfines
- ▶ Feed via a secondary air inlet gives the ability to pre-classify prior to grinding and minimizes overgrinding and production of superfines

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Operating Principles:

- ▶ Feed material entering through the inlet duct is introduced to the first stage grinding area.
- ▶ Semi-ground product from the first grinding stage passes through circumferential screens in the stator assembly and is conveyed to classifier rotor.
- ▶ Particles are classified by the interaction between centripetal and air drag forces within the forced vortex created by the classifier rotor.
- ▶ Product size is determined by control of the classifier rotor speed.
- ▶ Particles below cut size pass through the classifier rotor and exit with the entraining air through duct.
- ▶ Coarse particles above the cut point are rejected by the rotor and directed to the second stage grinding area for further reduction in cross flow configuration and recycled through the first stage grinding chamber.
- ▶ A secondary air inlet in the casing allows control of the classifier air flow.
- ▶ A specially designed exit port (not shown) in the secondary grinding stage enables excess unground impurities i.e. Silica to be rejected from the unit during operation.



General Technical Data:

MODEL No.		CLM 18	CLM 35	CLM 50	CLM 75	CLM100
Installed Power	Mill Classifier	3 0.37	11 1.5	22 4	55 11	90 11
Nominal Air Flow (m ³ /h)		260	1.050	2.300	5.100	9.500
Capacity approx (kg/h)		20 - 50	100 - 200	200 - 400	400 - 800	1.000-2.000