

Hammer Mill Pulvarizer (CHM Series)

Clarion's Pulvarizers & hammer Mill Crushers can be used for any size reduction job. The heavy duty construction of Mill Crushers gives better life with low maintenance. It is very easy to install and proven economical. The outer shell of Mill Crusher is lined throughout with MS / Cast Iron / Special Steel as per customers choice. One can use these machines to achieve desired particle size.

Operating Principle of Hammer Mill / Pulvarizer

Raw Material is fed by screw feeder (single / twin / three screw) on periphery of crusher through a hopper into the grinding chamber. It will minimize air pressure, greatly reducing dust problems. For some material suitable ventilation is recommended by introducing air on the discharge side of the crusher, this will prevent a dusty atmosphere at the inlet of Mill Crusher. The swinging hammers in Mill Crushers crush the materials along the stationery liners before discharging through a perforated screen at the bottom; replaceable bar type screen is available for specific application. Different combinations of screen, hammer can achive almost any result.

Applications of Hammer Mill / Pulvarizer

The Hammer Mill Crushers are used for crushing or grinding materials such as: Sugar, Pigments, Limestone, Glass, Charcoal, Lignite, Clay, Sand, Phosphate, pesticides, Fertilizer, Aluminium Oxide, Slags, Coke, Silica, Bauxite, Dolomite, Grain, Barytes, etc.

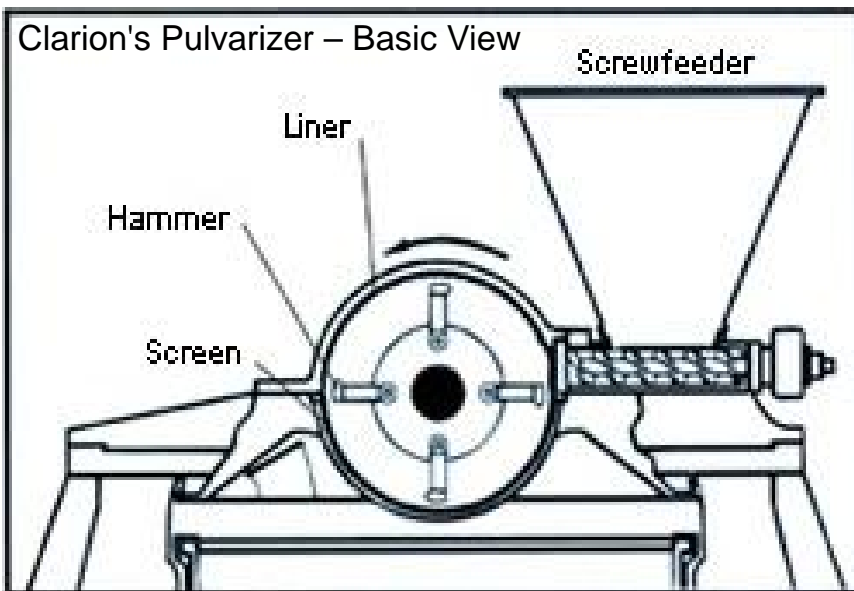
Advantages of Hammer Mill / Pulvarizer

- High grinding tip speed up to 20000 fpm & can be adjusted as per requirements.
- Hammer mill Crusher's are specifically designed to withstand the heavy loads to grind abrasive materials.
- Heavy duty, replaceable, wear resistant plates in mill.
- specially treated / hard faced / heat treated hammers.
- Rigid rotor assembly.
- Customised screens / Std. Screens.
- Hammer mill crusher is provided with rubber lining to do Dust-tight or water-tight operations.
- Basic MS SS Models / GMP Models / Chemical resistance steel construction is available on request.

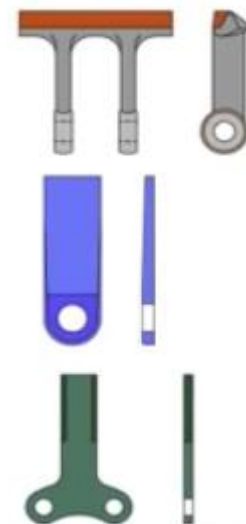
Technical specifications of Hammer Mill Pulvarizer (CHM Series)

Model	Motor H.P	Max. Rotor Speed R.P.M.	Approx Air Flow CFM	Ref. Production Scale factor
CHM - L	1	16000	-	-
CHM - 1	5	9600	60-75	1
CHM - 2	10	8000	100-120	2
CHM - 2-A	20	7000	150-200	4
CHM - 4	50	4750	400-500	10
CHM - 4-A	100	3300	600-750	20
CHM - 6	150	3000	1200-1500	30

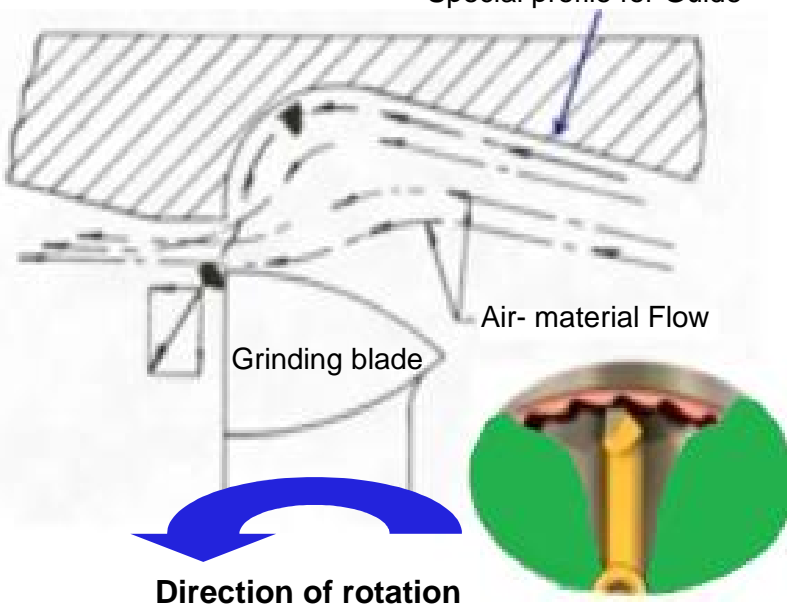
Basic features of Pulvarizer machines



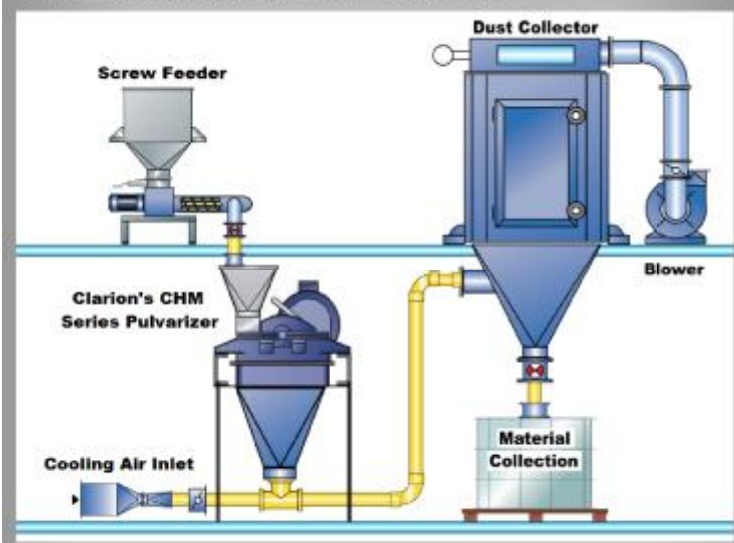
Three Basic types of hammers



Special profile for Guide

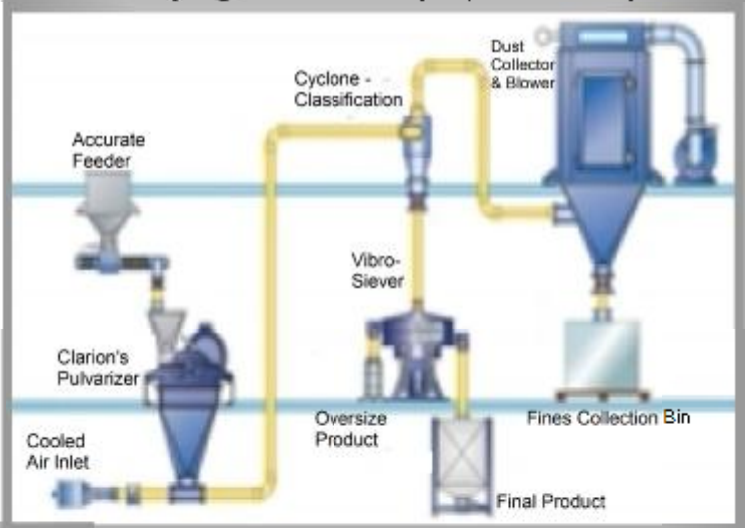


Air Conveying System - Layout



Basic Options for the use of pulverizers

Air Conveying & Screening System - Layout



Air Conveying Close Loop System - Layout

