

CM-1010, CM-1014 AND CM-1018 MODELS

Model CM-1014

SCREENLESS, LOW SPEED FOR BESIDE THE PRESS

Compact CM Series Granulators are ideally suited for metered robot or conveyor feed beside small injection molding machines.

This quiet, energy efficient granulator features a screenless cutter housing and ultra-low rotor speed to reduce sprues and runners to consistently sized granules, virtually free of fines and longs.

ULTRA-LOW RPM FOR CLEAN REGRIND

The CM Series screenless granulators turn sprues and runners into extremely uniform granulate with low energy consumption and very little noise.

Available in three sizes for throughputs of up to 40 lb/hr, the CM Series granulators are built around a single, low-speed (25 rpm) rotor. As the rotor turns, large crusher blades slide through blind slots in the cutting chamber, breaking up scrap parts into smaller pieces that are further reduced by a series of teeth machined into the rotor. These teeth mesh with small open slots, through which properly sized regrind fall into a catch bin. No screen is needed.

The resulting regrind is uniform in size and contains very little dust or fines, so it can be metered evenly back into the process providing consistent melt homogeneity for higher-quality molding.

■ Multi-tooth rotor

Multi-tooth rotor cleanly reduces sprues and runners to consistent sized particles. Rotors with D2 teeth and cutting wheels can be re-sharpened. The automatic reversing option helps to clear obstructed material.

■ Easy portability

Lightweight and caster mounted; the CM conveniently services multiple presses. The small footprint accommodates tight spaces and the wide-mouth, flared in-feed hopper easily handles a range of robot or conveyor drops and sprue/runner sizes.

■ Quiet operation

The CM low-speed rotor decreases noise levels with some materials to as low as 70 dbA and in most cases as low as 80 dbA, eliminating the need for sound enclosures.

■ No tools access

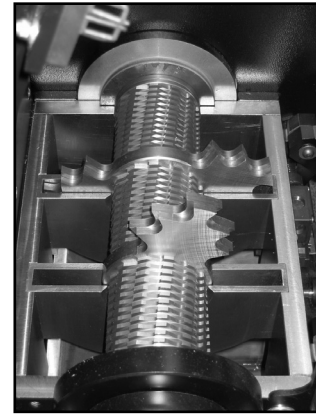
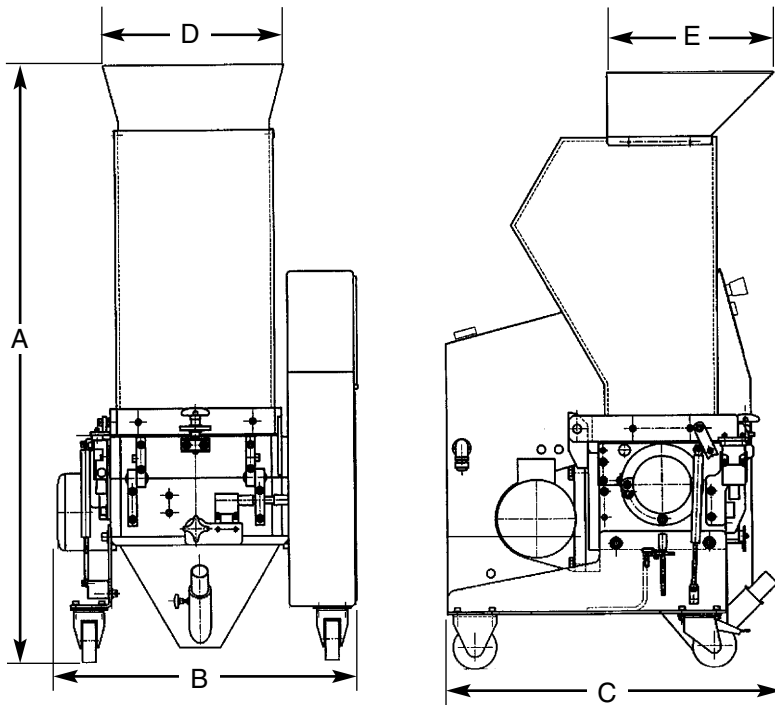
Hand knobs for the hopper and bin provide fast convenient access to the rotor and swing-open cutter housing cover. Thorough clean out and material changeover is easily accomplished in minutes.

■ Reduce machine wear; preserve material

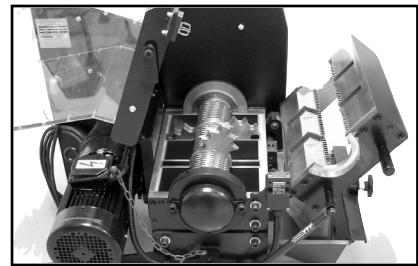
When the automatic reversing option is included, the granulator will reverse rotor rotation up to three times to clear any thick material from the cutting circle before automatically shutting down. This option eliminates potential damage to your granulator and cutting blades.



CM-1010, CM-1014 AND CM-1018 MODELS



CM Series multi-tooth rotor



CM Series tilt-back hopper and swing-open cutter

MODELS	CM-1010	CM-1014	CM-1018
Performance characteristics			
Maximum throughput* lb/hr {kg/hr}	20 {9}	30 {13}	40 {18}
Cutter chamber opening in. {mm}	8.75 x 9.5 {220 x 240}	13.5 x 9.5 {340 x 240}	18.25 x 9.5 {460 x 240}
Rotor speed rpm	25	25	25
Standard motor power† Hp	2.5	2.5	2.5
Drive type	Belt drive		
Hopper type	Metered robot or conveyor		
Vacuum discharge side	Front		
Rotor type	Multi-tooth		
Crusher blades	1	2	3
Rotor segments	2	3	4
Dimensions inches {mm}			
A - Height	55 {1397}	55 {1397}	55 {1397}
B - Width	23 {584}	27 {686}	31 {787}
C - Base depth	30 {762}	30 {762}	30 {762}
Overall depth (with hopper open)	49 {1245}	49 {1245}	49 {1245}
D - Hopper opening - width	12 {305}	16 {406}	20 {508}
E - Hopper opening - depth	15 {381}	15 {381}	15 {381}
Weight lb {kg}			
Installed	661 {300}	661 {300}	794 {360}
Shipping	750 {340}	750 {340}	882 {400}
Voltages Total amps based on cutter speed‡			
208V/3 phase/60 hz	3.4	3.5	3.4
230V/3 phase/60 hz	6.8	6.8	6.8
460V/3 phase/60 hz	7.5	7.5	7.5
575V/3 phase/60 hz	2.7	2.7	2.7
Noise level§			
With no soundproofing	70 to 80 dbA		

MOTOR OPTIONS	CM-1010	CM-1014	CM-1018
●=standard ○=optional			
1.0 Hp	○	N/A	N/A
2.5 Hp	●	●	●

SPECIFICATION NOTES:

* Throughputs are provided as a capacity guideline only. Throughput will vary according to the size, shape, thickness and properties of the material to be cut, as well as the desired size of the granulate. Consult Conair for a material test or help determining the correct granulator model for your application.

† The chart lists standard motor selections. Additional motor sizes are listed under Motor Options.

‡ Refer to motor nameplate for exact FLA and motor specifications.

§ Noise level will vary according to material type being processed and the granulator configuration. These ranges are based on tests using SPI standards.

Specifications may change without notice. Check with a Conair representative for the most current information.