

Rapid 200



Big performance – Smart

The all new Rapid 200 Series of granulators is ideal for the direct recycling of plastic waste and rejects primarily from injection- and blow molding processes.

With Rapid's full choice of configuration alternatives, including four different machine sizes with cutterhouse openings up to 8"×24", different rotor types and rotor speeds, discharge systems etc allow you to select the granulator best suited to your type of plastic waste, throughput volume, granule size and direct recycling requirements.

Super-Tangential Cutterhouse

The Rapid 200-Series comes with the super-tangential cutter house that is ideal for lightweight bulky products such as bottles, containers and injection molded parts. It allows effective gripping and cutting of the parts.

The granulator has an improved design with respect to access which drastically reduces machine downtime and improves productivity when cleaning or performing maintenance.



all package



- **High quality regrind**

The consistently smooth and clean cutting action provides high quality regrind over time.

- **Constant Cutting Circle, CCC**

The Rapid Constant Cutting Circle and unique, integrated rotating shaft end-plates of the cutter assembly eliminate frictional heat and minimize dust and fines.

- **Excellent gripping of bulky goods**

The new improved Super-Tangential cutterhouse design grips even large voluminous light weight products with ease.

- **Minimal energy consumption**

The configuration of the rotor blades and low rotation speed combine to minimize energy consumption.

- **Quick knife changing**

Rapid access to the cutterhouse, and cassette knives for the staggered rotor design or preadjustable knives for the open rotor configuration make knife changing quick and easy.

Rapid 200 Series



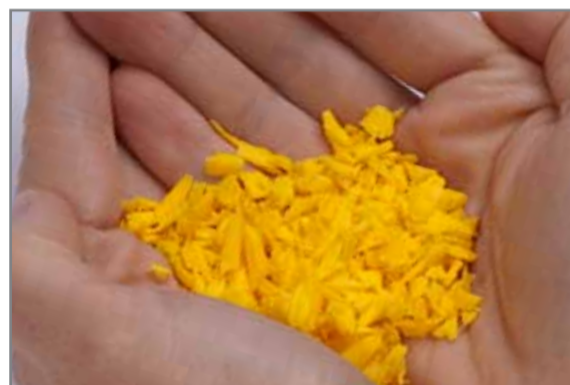
Heavy duty transmission
Heavy duty transmission provides powerful and energy saving granulation due to the flywheel effect.

Less energy required with optimized rotor speeds

The 200 Series is offered in three different rotor speeds, 260, 400 or 840 rpm, assuring the most effective configuration related to the application. Choosing the optimal rotor speed minimizes energy consumption.



Easy removable flaps
The flaps effectively prevent flyback of material. The slide tray makes them easy to pull out for cleaning when changing material or color.



Highest-quality regrind

The Rapid cutting technique, comprised of clean scissors-cutting action and constant cutting circle, produces granules of a uniform size with minimal dust content even with the toughest materials.



Reversible screen

The screen can be turned, providing longer lifetime and maximum durability. Wear resistant execution (option) gives further lifetime in tough materials.



Super-Tangential cutterhouse

The Rapid 200-Series comes with the super-tangential cutter house option that is tailored for lightweight bulky products such as bottles, containers and injection molded parts. It is effectively gripping and cutting the parts to prevent them from bouncing on the rotor.



Rotor configurations

The Rapid 200 Series comes with either an open or a staggered rotor. Both perform scissors cut providing energy effective granulation. The open rotor supports presetting of knives, the staggered configuration includes cassette knives, both enabling quick and easy knife changes minimizing downtime for service and maintenance.



Belt conveyor feeding



Manual feeding - without sound proofing



Manual feeding, Tray



Feeding with roll feed unit



Highest standard of components

We choose well known components that can be relied on in every aspect.

Specifications

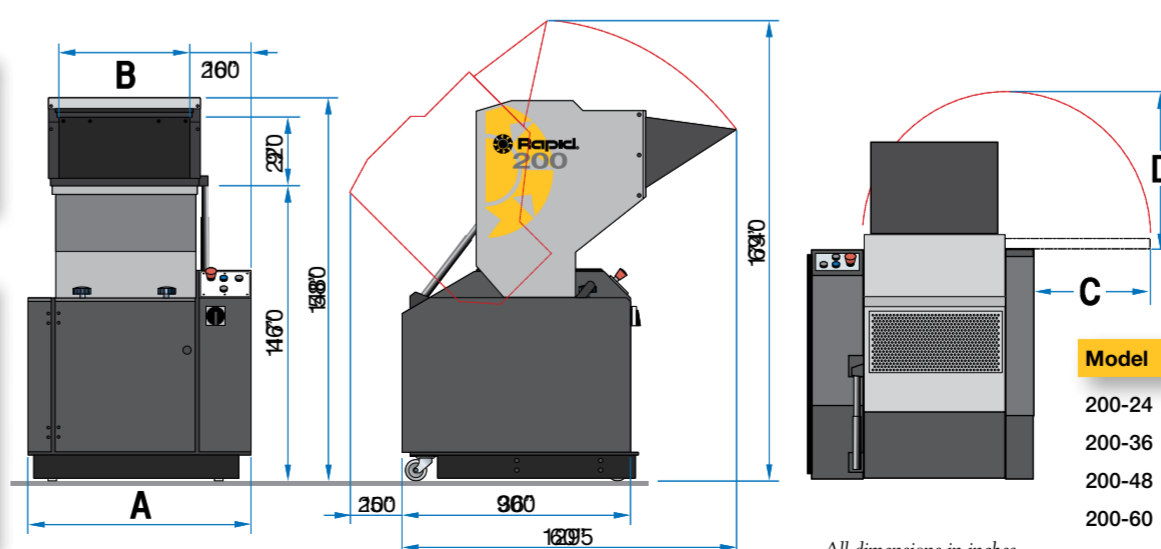
	200-24	200-36	200-48	200-60
Rotor diam. (in.) type	8 Staggered (std), open (opt.)			
Rotating knives	3x2 3x3 3x4 3x5			
Staggered configuration	3x2	3x3	3x4	3x5
Open configuration	3x2			
Rotor speed (standard rpm)	260	400	400	400
Hopper inlet	9 1/2" x 8 1/2"	14" x 8 1/2"	19" x 8 1/2"	23" x 8 1/2"
Cutterhouse opening, Tangent/ Precut	9 1/2" x 9"	14" x 9"	19" x 9"	23" x 9"
Super-Tangential	9 1/2" x 10 1/2"	14" x 10 1/2"	19" x 10 1/2"	23" x 10 1/2"
Motor, standard, (Hp)	5	7.5	7.5	7.5
alternatives, (Hp)	5, 7.5, 10, 15			
Throughput capacity, (up to, lbs/h)	150	225	350	450
Weight (lbs)	1100	1200	1450	1650

Features

Cutterhouse configurations: Super-Tangential, Tangential or Precut
Cassette knives/ Preadjustable knives
Double scissors cutting action
Heavy duty transmission

Options

Rotor speed 260, 400 or 840 to be chosen depending on application
PowerTech package, wear resistant execution
Various hoppers for sheets, pipes/profiles, belt conveyor, roll feed
Extra fixed knife, increasing throughput, Tangential
Screen diam. Std/opt. (in.) 1/4" 3/16" / 5/16" / 3/8" / 1/2"
Level indicator
Knife setting jig (for presetting of knives in open rotor configuration)

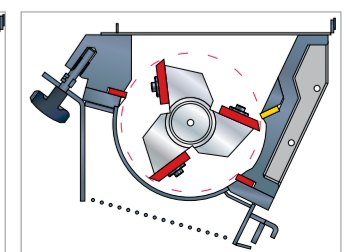
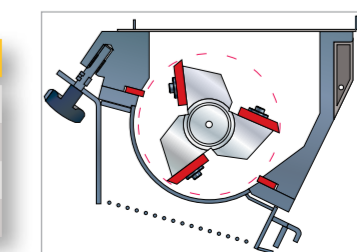
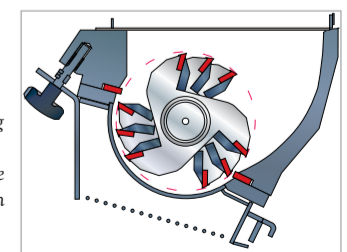


All dimensions in inches.

Model	A	B	C	D
200-24	26"	9 1/2"	8"	13"
200-36	30"	14"	13"	18"
200-48	35"	19"	18"	23"
200-60	43"	23"	23"	27"

Cutterhouse configurations

The Rapid 200-Series comes in 3 configurations, each with its own purpose. The Super-T (right) is for example ideal for bulky lightweight goods where gripping is crucial. Staggered rotor (right) is standard. The optional "open rotor" (below) is used when straight cut is optimal.



The Most Trusted Name In Granulators

Rapid is the world leader in granulation. We develop, manufacture and market individual granulators and completely integrated recycling solutions for the plastics industry.

With an extensive granulator range, from table-top units to giant machines, we can satisfy virtually all your granulation needs.

Our products are regarded as the most ruggedly built, most dependable and of the highest quality available on the market. And our excellent spare parts service helps to keep them in top condition.

We are dedicated to partnering with you. With over 70 years of experience, a global presence, and more than 100.000 units installed worldwide, we offer you our expertise, our people, and our resources.

Rapid strives to exceed your expectations in recycling plastic waste.



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