

# Rapid 200 Series



**Rapid 200-24**  
**200-36**  
**200-48**  
**200-60**

# 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 moulding processes.

With Rapid's full choice of configuration alternatives, including four different machine sizes with cutterhouse openings up to 600×230 mm, 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 tailored for lightweight bulky products such as bottles, containers and injection moulded parts. It is effectively gripping and cutting the parts to prevent them from bouncing on the rotor.

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.



**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.



**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 moulded parts. It is effectively gripping and cutting the parts to prevent them from bouncing on the rotor.



**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 colour.



**Reversible screen**

The screen can be turned, providing longer lifetime and maximum durability.

Wear resistant execution (option) gives further lifetime in tough materials.



**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

**Infeed configurations**

A great number of hopper alternatives are available as standard options depending on application and infeed method. Most of the standard hoppers are of modular design and can be easily re-configured later if needed.



Robot/Manual feeding



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

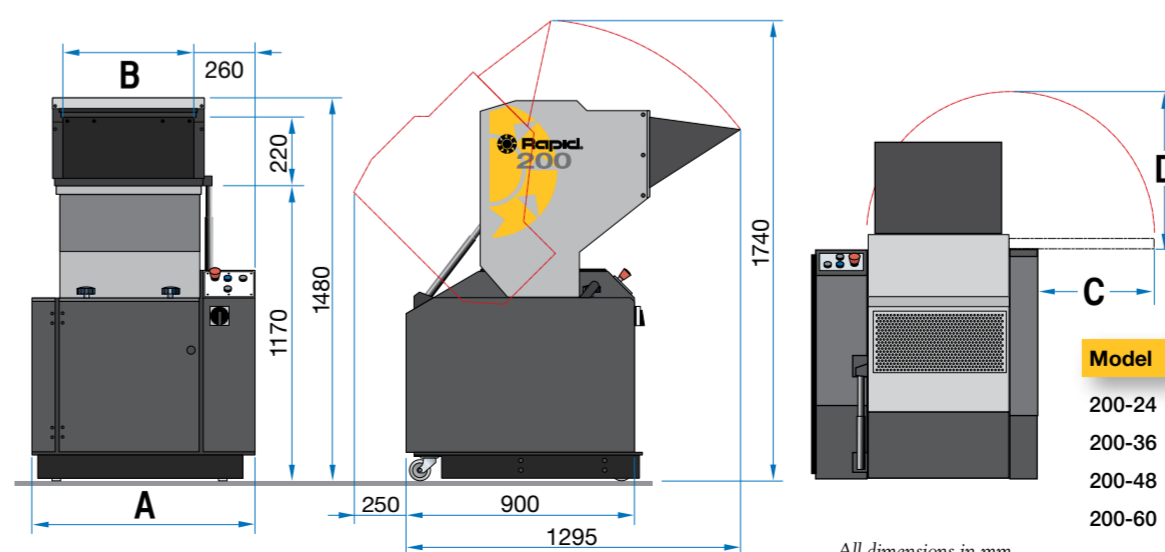
	200-24	200-36	200-48	200-60
Rotor diam. (mm) type	200 Staggered (std), open (opt.)			
Rotating knives				
Staggered configuration	3x2	3x3	3x4	3x5
Open configuration	3x2			
Rotor speed (standard rpm)	260	400	400	400
Hopper inlet	240x220	360x220	480x220	600x220
Cutterhouse opening, Tangent/Precut	240x230	360x230	480x230	600x230
Super-Tangential	240x270	360x270	480x270	600x270
Motor, standard, (kW)	4.0	5.5	5.5	5.5
alternatives, (kW)	4.0, 5.5, 7.5, 11			
Throughput capacity, (up to, kg/h)	75	100	150	200
Weight (kg)	500	550	650	750

### 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. (mm) 6 4 / 8 / 10 / 12  
Level indicator  
Knife setting jig (for presetting of knives in open rotor configuration)



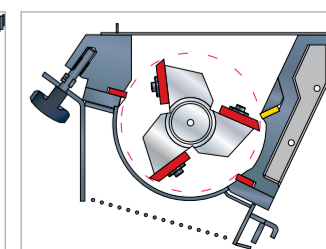
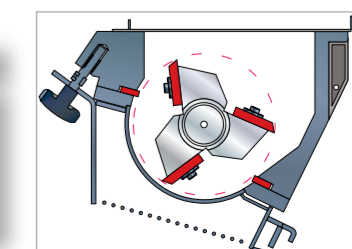
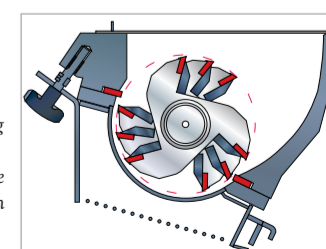
All dimensions in mm.

Model	A	B	C	D
200-24	650	240	210	330
200-36	770	360	330	450
200-48	890	480	450	570
200-60	1100	600	570	690

### 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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