

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 600×270 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



Manual feeding
No 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

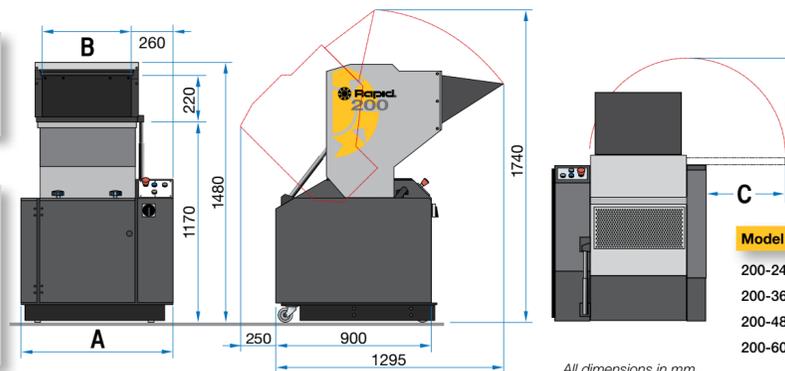
	200-24	200-36	200-48	200-60
Rotor diam. (mm)	200			
type	Staggered (std), open (opt.)			
Rotating knives				
Staggered configuration	3x2	3x3	3x4	3x5
Open configuration	3x2			
Rotor speed (standard rpm)	260	400	400	400
Hopper inlet	240x220	360x220	480x220	600x220
Cutterhouse opening, Tangent/Precut	240x230	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

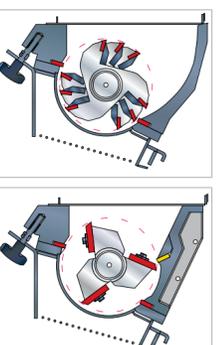
- Rotor speed 260, 400 or 840 rpm
- PowerTech package, wear resistant execution
- Various hoppers for sheets, pipes/profiles, belt conveyor, roll feed
- Extra fixed knife, increasing throughput, Tangential
- Screen diam. Std/opt. (mm) 6 4 / 8 / 10 / 12
- Level indicator
- Knife setting jig (for presetting 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 light weight goods where gripping is crucial. Staggered rotor (right) is standard. The optional "open rotor" (below) is used when straight cut is optimal.



Get **MORE** performance from your Rapid equipment!

Preventive maintenance is the key to high-quality regrind, keeping down life-cycle costs and, in the worst cases, avoiding costly breakdowns that can stop production. This is why you should service and maintain your granulators regularly, with the frequency determined by your specific application demands.

With installation and service from your local Rapid Service Team, you can rest assured that your granulator will deliver high availability, efficient performance and a long life, year after year.

Our spares and service team is just a phone call away to provide you all the help you need with service, maintenance and replacement parts. Our promise is simple: your request will be handled promptly, typically within a few hours.



Rapid 5-year extended warranty

With a preventive maintenance program in place and the use of original Rapid spare parts you will experience the same superior performance from your granulator as you did day one.

Our commitment is underscored by the 5-year extended warranty that you receive for free with all new Rapid granulators. All you need to do is register your granulator (see below). The only exception to the warranty is if you

use abrasive materials. This will, according to normal branch practice, turn the rotor and cutterhouse into wear parts, and thus exclude it from the extended warranty.

The warranty is valid for five years if you can show a documented maintenance history (as stated in the Rapid user's manual) and, of course, the use of Rapid original spare parts.

Rapid Service Center

Get the most out of your Rapid granulator – register it today!

In the Rapid Service Center you get on-line access to your granulators documentation, including:

- manual, forget about lost manuals, it's always available
- electrical drawings of your individual machine
- program for all service activities; weekly, monthly etc.
- the service log supports the extended Rapid 5-Year warranty
- direct link to the Rapid Spare Parts Team to order the correct parts, for your individual machine, when you need.

Register your granulator at <https://service.rapidgranulator.com>



Register your Rapid granulator



We send you a password by mail



Login to the Rapid Service Center



And a world of valuable service information

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