

Rapid's "open-hearted" engineering concept is now built into each granulator model of its Rapid 300, 400 and 500 Series.

The big benefit of being open-hearted is that it boosts performance by providing direct and easy access to the heart of a machine to achieve very rapid cleaning and maintenance times for fast production changeovers. Such extremely short pit stops maximize uptime and minimize labor costs. The clear access to core machine parts also allows "visibly clean" inspection and approval, preventing contamination at color and material changes.

Once again, Rapid confirms that it leads the field with innovative design and makes no compromises in providing you with high-performance granulators.

## The formula for success



*Quality reground – for consistent production processes*

**Extremely short pit stops**  
Saving costs by simplifying your cleaning and service dramatically

**Maximize uptime**  
Efficiency is about uptime, uptime is about simplicity.

**"Visibly clean" inspection**  
Prevent cross-contamination when changing material or colour.

**No compromises**  
In Rapid we make no compromises, that's why we are the most trusted name in granulators.

# 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 50 years of experience, a global presence, and more than 60,000 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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## Rapid 400 series



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# Rapid 400 series

## “Open-Hearted Engineering”

### Improved safety interlock

The new design of the safety interlock system allows quicker opening of a granulator. It is also safer because its speed-related sensor ensures that the rotor is standing still before the granulator can be opened.



### Easy cleaning and maintenance

The outstanding ergonomic design of all models allows you to rapidly reach the heart of the machine and gain access to appropriate parts to achieve fast cleaning, maintenance and changeover times. “Visibly clean” inspection and approval is a further benefit.



### Highest-quality regrind

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



### Less energy

The true double scissors action reduces the force needed to slice through plastic waste. Therefore a smaller motor can be used to significantly reduce energy consumption.



### Reversible screen

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



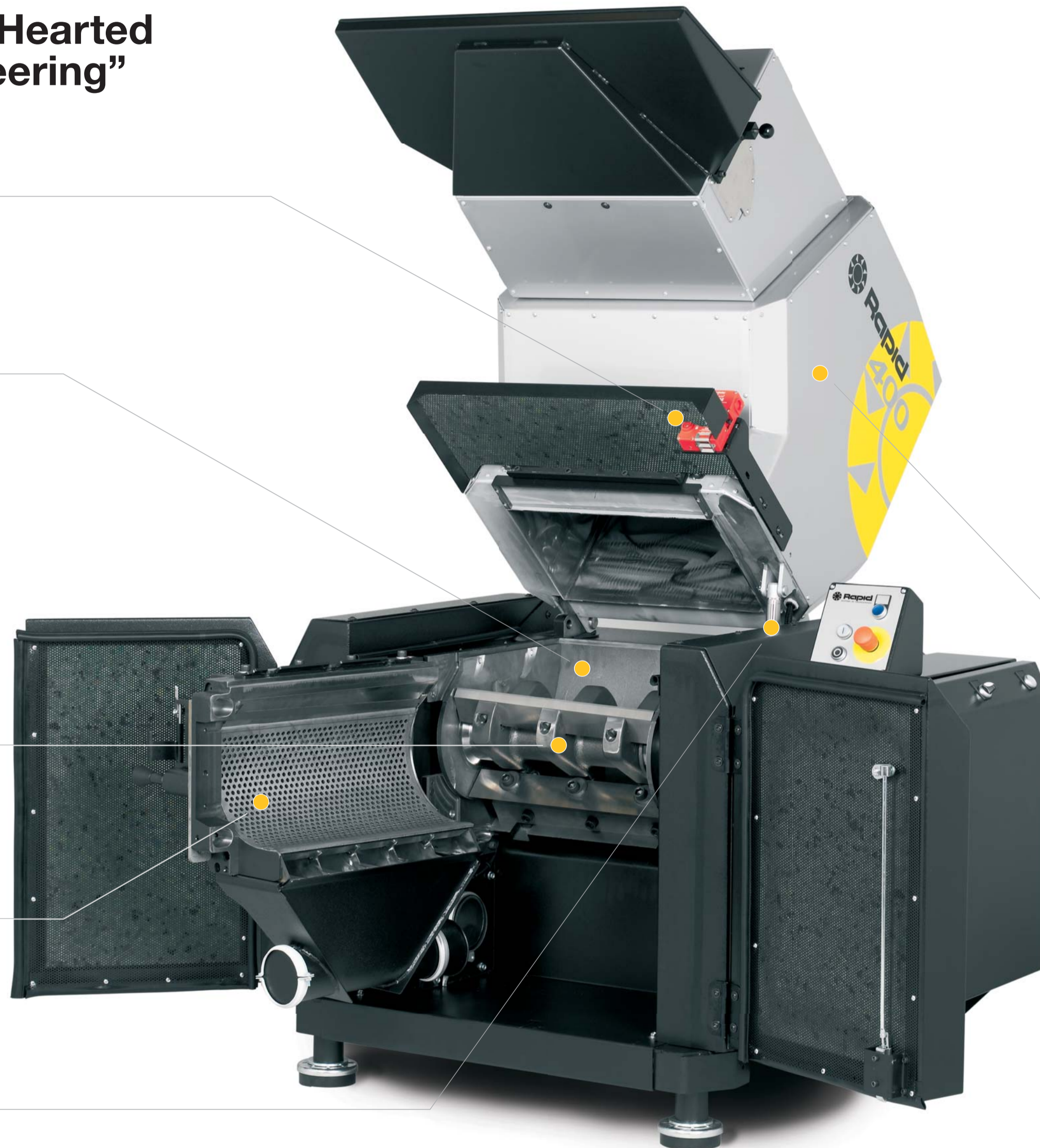
### Power-assisted opening/closing

Rapid opening and closing of the in-feed hopper is assured by gas springs or a motor-driven jack.



### 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.



## Specifications

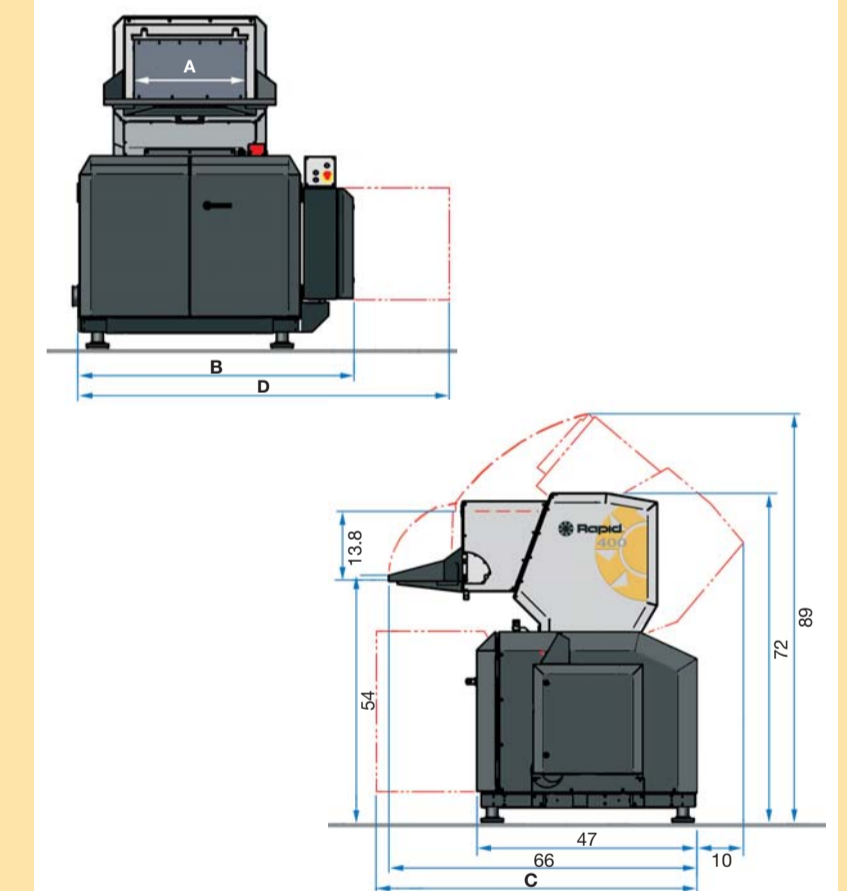
	400-45	400-60	400-90	400-120
Rotor diam., (in)	13.8			
type	3-blade, open			
Rotating knives	3			
Fixed knives	2/3			
Cutterhouse, Super-T, (in)	18x18	24x18	36x18	48x18
Tangential, (in)	18x14	24x14	36x14	48x14
Hopper inlet, (in)	18x14	24x14	35x14	48x14
Motor, standard, (Hp)	10	15	15	25
alternatives	10 / 15 / 25 / 40			
Throughput cap., up to (lbs/h)	900	1300	1600	2000
Weight (lbs)	2600	3300	3700	4500

### Features

- Pre-adjustable knives
- Double scissors cutting action
- Rotor stand still guard
- Open-Hearted cutter house front/cradle
- Heavy duty transmission
- Easy removable flaps
- Solid stand with machine shoes

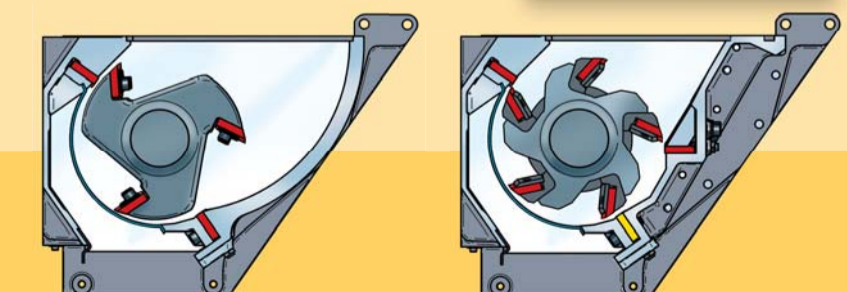
### Options

- 5 blade rotor, increase throughput
- PowerTech package, wear resistant execution
- Various hoppers for sheets, pipes/profiles, belt conveyor, roll feed
- Extra fixed knife, increasing throughput, Tangential
- Screen diam. Std 5/16", optional 1/4", 3/8", 1/2", 3/4", 1"
- Extra flywheel
- Knife setting jig
- Level indicator
- Electrical jack opening



All dimensions in inches.

Model	A	B	C	D
400-45	18	53	64	77
400-60	24	59	70	83
400-90	36	71	82	95
400-120	48	82	93	106



### Super-Tangential

The Super-Tangential cutterhouse is ideal for voluminous parts and scrap providing excellent grip. Standard configuration includes two fixed knives (red).

### Tangential

For more thick-walled and compact parts the Tangential cutter house is ideal. Standard configuration includes two fixed knives (red). If increased throughput is required, a third fixed knife can be specified (yellow).