

# Rapid 400



# The formula **for success**

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.



*Quality regrind –  
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.



# 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.



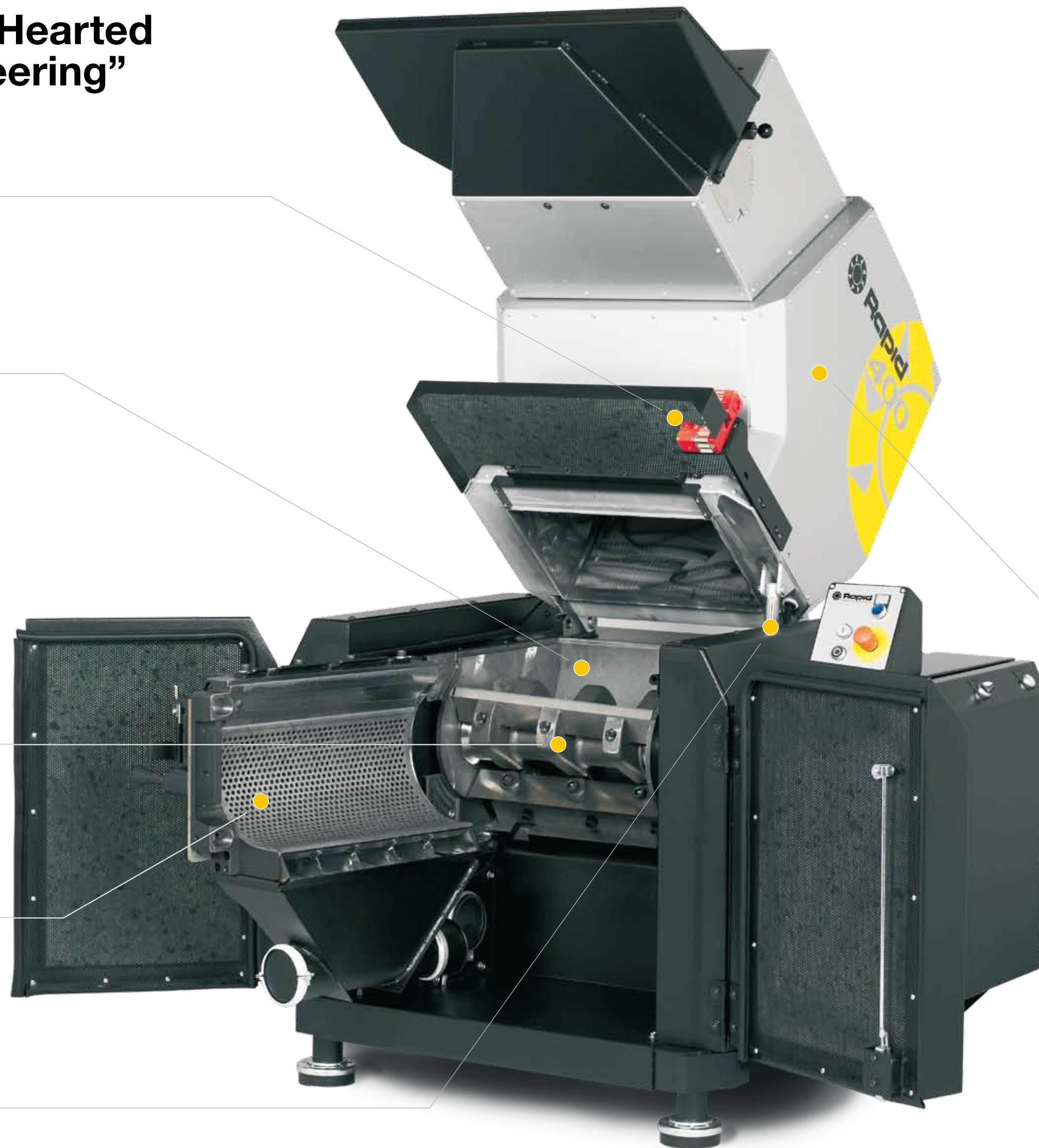
### Power-assisted opening/closing

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



### Infeed configurations

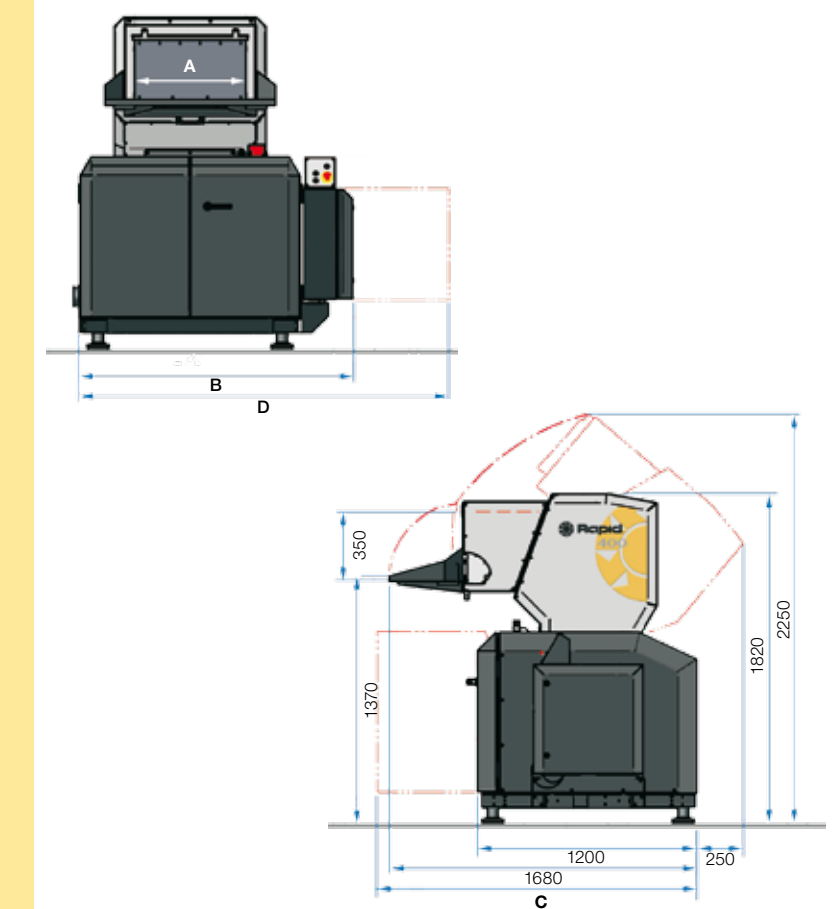
A great number of hopper alternatives are available as standard options depending on application and infeed method. Most of the standard hoppers are of modular design and can be easily re-configured later if needed.



## Specifications

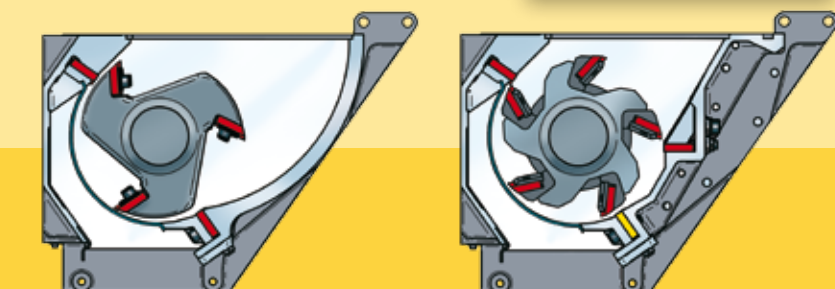
	400-45	400-60	400-90	400-120
Rotor diam. (mm)	350			
type	3-blade, open			
Rotating knives	3			
Fixed knives	2			
Cutterhouse, Super-T, mm	470x450	620x450	920x450	1220x450
Tangential, mm	470x360	620x360	920x360	1220x360
Hopper inlet	450x350	600x350	900x350	1200x350
Motor, standard, (kW)	15	22	22	22
alternatives	11 / 15 / 18.5 / 22 / 32			
Throughput capacity, (kg/h)	up to 400	up to 600	up to 750	up to 900
Weight (kg)	1200	1500	1700	2100

Features	
Pre-adjustable knives	
Double scissors cutting action	
Rotor stand still guard	
Swing-out 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/opt. (mm)	8, 4 / 6 / 10 / 12 / 17 / 25
Extra flywheel	
Knife setting jig	
Level indicator	
Electrical jack opening	



All dimensions in mm.

Model	A	B	C	D
400-45	450	1340	1620	1950
400-60	600	1490	1770	2100
400-90	900	1790	2070	2400
400-120	1200	2090	2370	2700



### Super-Tangential

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

### Tangential

For more thick-walled and compact parts the Tangential cutter house is ideal. Configuration includes two fixed knives, if increased throughput is required, a third fixed knife can be specified (yellow). 5 blade rotor to further increase throughput is also available.



# 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 60 years of experience, a global presence, and more than 70.000 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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Middle East	<a href="mailto:middle.east@rapidgranulator.se">middle.east@rapidgranulator.se</a>
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