

Rapid Raptor shredders

“Open-Hearted POWER”

QuadCUT
Rapid's new patented cutting system. A complete new knife design combining a rock solid clamping design with four long-lasting knife edges. Each knife has a built-in shock absorber which helps to protect the rotor from sudden impacts.

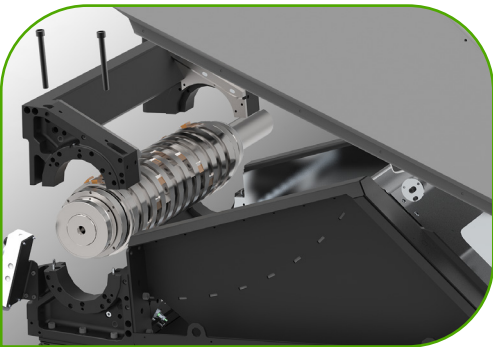
Heavy duty transmission
The heavy duty design of the gear box makes it reliable, energy efficient and at the same time quiet. It's belt driven for efficient operation.

Screens if needed
The Raptor shredders run fine without screens, but screens with different hole sizes are available. As in Rapid's large granulators, the screens are split in two to ease handling. The turnable screens are unbolted and unwelded making them very easy to remove when cleaning and servicing.

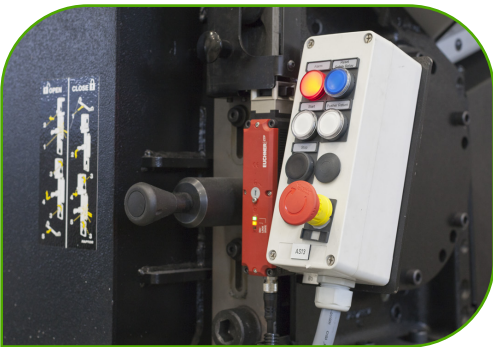
PLC programming
The Raptors come with programs for standard applications. More flexibility is achieved by optional PLC programming, also offering operation and logging from a pad or PC.

Mineral Composite Technology Base, MCT
The Raptor-Series' base can be made of a special mineral composite material to give extra stability, reducing vibrations even in the toughest applications.

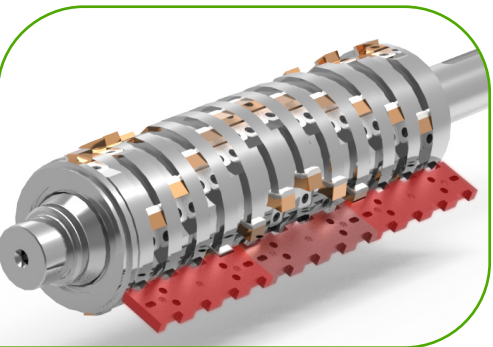
- Recycles all plastic**
Heavy lumps, thin film or light weight 1.2 m³ IBC containers, all is possible in the Rapid Raptor series.
- Open-Hearted technology**
Less than a minute! That's all it takes to open up the complete machine for cleaning or maintenance. A single tool is all you need in true Rapid manner. Access given to the complete interior, providing clear view of cutter house and rotor.
- Patented unique knife design, QuadCUT**
What is weakest point in a shredder knife? The commonly used centre bolt hole! That's why Rapid's new QuadCUT knives are completely solid, yet, the fastening is rock solid thanks to a unique clamping system that makes the knife self positioning. In addition, it has four cutting edges, exposed one at the time to make them last long.
- Protected rotor**
The rotor is the heart in every recycling machine and it has to be protected. If it breaks, your production stops. Rapid's QuadCUT design impact absorber behind every knife that will take the punch if something have come into the cutting chamber that suddenly blocks the rotor. In many cases, only the knife and pad will be destroyed, but the rotor will run again after a quick knife change.
- Customizeable tilt back hopper**
Hoppers are easy to adopt to different types of production. Just swapping the upper part (containing no cables or other things interfering) makes it easy to make fast changes in infeed method.



Split cutterhouse
If a worst case scenario should happen and the rotor needs to be removed for repair it is easily done. The split cutterhouse sides make the rotor easy to lift out of the machine without removing the hopper.



Extensive safety systems
With multiple sensors, the Raptors are safe to operate. Access is not given until the rotor has stopped.



Single unit fixed knife system
The unique fixed knives solution is based on a single article which fit in all positions and all widths. The turnable knives have 4 true cutting edges. Knife position is pre-set and knife clearance can easily be fine tuned.



Raptor DUO
Fully integrated granulator into the Raptor chassis



Raptor FlexiPUSH
Developed for all types of thermoplastics

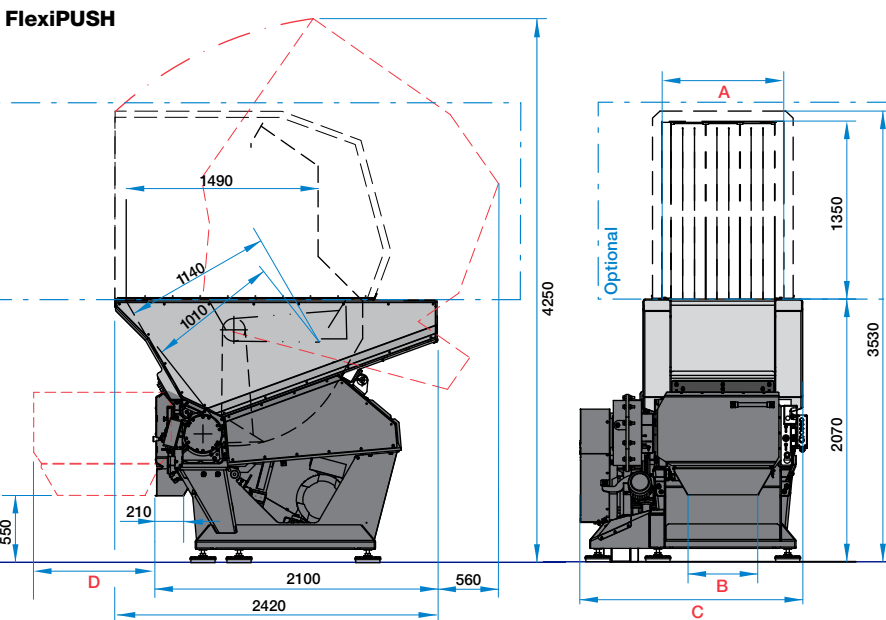
Specifications

	Raptor 800	Raptor 1350
Rotor diam. (mm)	280	
	Single row knives	
Rotating knives, single knife row	23	39
Fixed knives	3	5
Cutterhouse, PowerPUSH, mm	800x780	1350x780
FlexiPUSH, mm	800x1010	1350x1010
Hopper inlet, PowerPUSH, W x H	800x1490	1350x1490
FlexiPUSH	800x1350	1350x1350
Motor alternatives, kW	11-45	
Weight (kg)	4200	5200

Standard features	
Constant Cutting Circle, CCC	
Open-Hearted cutting chamber design	
Pre-adjustable knives, fixed and rotating	
Heavy duty transmission	
Easy removable flaps	
Solid stand with machine shoes	
Electrical jack hopper opening	
Rotor easily rotating using the door opening tool	

Options	
Double knife rows on rotor	
Advanced PLC programming	
Capability to run/survail from PC/tablet/pad	
Top pusher for bulky light weight materials	
Belt conveyor for infed	
Screens, for further controlled output, diam. (mm)	16, 25, 38, 50, 62, 75
Integrated granulator, Rapid 300-LBB – Raptor DUO	

All data given is depending on configuration, material etc.



Model	A	B	C	D
Raptor 800 FlexiPUSH	800	530	1730	600
Raptor 1350 FlexiPUSH	1350	1080	2280	1150
Raptor 800 PowerPUSH	800	530	1730	600
Raptor 1350 PowerPUSH	1350	1080	2280	1150

