

GRAN- CALIBUR



GC SERIES
GRANULATORS

DESIGN & FEATURES



GC Granulator with Sound Proof Enclosure

GC Series Granulators are high speed granulation machines designed especially for the efficient size reduction of various materials in a single pass. These machines are ideal for processing a multitude of materials including plastics, rubber, fibres, copper cable and light non-ferrous metals amongst others.

These machines are characterised by their high efficiency, reduced power consumption and low noise, sound proof designs.

Driven by a powerful motor, the rotor blades spin at high speed, cutting the feed material into smaller pieces as they interact with the two rows of fixed blades.

For processing different materials, special rotor designs, including V, S, C & CS configurations can be specified. Manufactured from heat treated AISI D-2 high alloy material, the blades demonstrate excellent wear properties. The advanced, precision machined rotor improves cutting efficiency and facilitates easy maintenance, reducing down time during blade changes.



V-Rotor

Our standard open V-Rotor with forward set blades is suitable for processing most types of material. The V-cutting (chevron) configuration of the forward set blades creates a highly efficient, double shear, scissor cutting action.



VB-Rotor

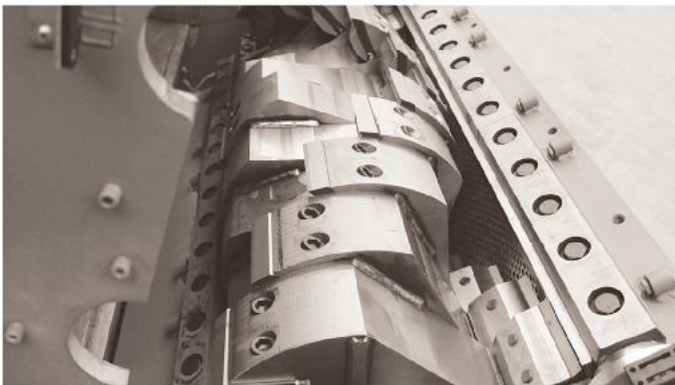
The VB-Rotor with rear set blades is intended for lighter duty applications. The greater shear angle achieved by mounting the blade behind the blade holder results in better performance when processing flexible materials such as plastic films.

Standard Features:

- Compact design minimizes on-site space requirements
- Inclined, split cutting chamber design
- Oversized, outboard mounted spherical rotor bearings preventing bearing damage due to product migration
- Precision machined rotors - Forward set V-Rotor configuration supplied as standard
- Replaceable wear plates either side of the cutting chamber
- Standard machines are prepared for air conveying of granulated materials
- Stand alone electrical control panel using high quality Schneider & ABB electrical components
- Tested, approved and certified to the current applicable "CE" safety standards



GC Granulator with Bottle Feeder



C-Rotor

The C-Rotor is a heavy duty, high inertia, semi-closed shaft design which creates a cascade cutting effect. This rotor design is ideal for processing particularly hard or thicker materials, but is also well suited to processing profiles.



CS-Rotor

The CS-Rotor is a particularly open rotor design which allows more air for the material to fall into between each of the staggered blades. This rotor is ideal when processing hollow & bulky materials.

TECHNICAL DATA



Data \ Model	GC600	GC600T	GC800
Dimensions L / W / H (mm)	1,200 × 1,345 × 1,825	1,420 × 1,180 × 2,200	1,420 × 1,380 × 2,200
Hopper Opening (mm)	550 × 495	550 × 615	750 × 615
Rotor Diameter (mm)	Φ 260	Φ 320	Φ 320
Rotor Length (mm)	600	600	800
Rotor Speed (rpm)	580	580	580
Screen (mm)	Φ 12	Φ 12	Φ 12
Rotor Knives (pcs)	3 × 2	3 × 2	3 × 2
Counter Knives (pcs)	2 × 1	2 × 1	2 × 1
Drive Power (kW)	15	22	30
Approximate Weight (kg)	1,100	1,530	1,790

Data \ Model	GC800T	GC1000
Dimension L / W / H (mm)	1,640 × 1,450 × 2,275	1,640 × 1,650 × 2,275
Hopper Opening (mm)	750 × 615	950 × 615
Rotor Diameter (mm)	Φ 420	Φ 420
Rotor Length (mm)	800	1,000
Rotor Speed (rpm)	580	580
Screen (mm)	Φ 12	Φ 12
Rotor Knives (pcs)	3 × 2	3 × 2
Counter Knives (pcs)	2 × 1	2 × 2
Drive Power (kW)	37	45
Approximate Weight (kg)	2,560	2,860

Please Note: Technical data provided is indicative only and may be subject to change without notice