

AGF SERIES—SPECIFY FOR FILM AND BOTTLE GRANULATOR

AGX/AGS/AGF/AGH



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KEY FEATURES >

- Anti-wear machine housing
- Ladder blade rotor configuration for films and hollow plastics
- Suitable for wet and dry granulation
- 20-40% additional throughput
- Heavy duty bearings
- Oversized external bearing housings
- Knives are externally adjustable
- Robust welded steel construction
- Wide choice of rotor variations
- Electrical hydraulic control to open housing
- Electrical hydraulic control to open screen cradle
- Replaceable wear plates
- Amp meter control

OPTIONS >

- Extra flywheel
- Double infeed hopper
- Roller feeder
- Mounted screw feeders in hopper
- Winding protection
- Metal detector
- Metal separator
- Bespoke colour scheme
- Increased motor drive

GENERAL DESCRIPTION >

The AGF Film & Bottle Granulator has been specially design for the processing of films, bottles, and other hollow thin walled plastics. It has a centrally hinged two-piece cutting chamber with a robust welded steel construction, with the upper and lower sections of the housing meeting horizontally. Reversible stator knives with double cutting edges are fitted as single elements to the lower section of the housing, allowing multiple re-sharpening and adjustment of the stator knives. There is a hinged screen cradle and hinged door for easy screen access.

The rotor is a heavy duty paddle type design with knife cover plates to protect the blades when processing abrasive applications. The knife mounting bolts are screwed into the mounting plates as opposed to the rotor. All

knives are manufactured from chrome nickel tool steel as standard, but when processing applications that are particularly abrasive the AGF granulators can be fitted with a specially designed wear resistant rotor utilizing wear resistant steel parts and hardox facing.

The v-cut cutting geometry offers distinct advantages over other rotor designs, including higher throughput with reduced power consumption, better quality cut, and lower noise levels. The AGF rotor configuration provides between 20-40% additional throughput in comparison to standard rotor configurations.

Specially designed knife setting jig means that the knives can be adjusted from outside the machine, significantly reducing the downtime required to change/set knives.

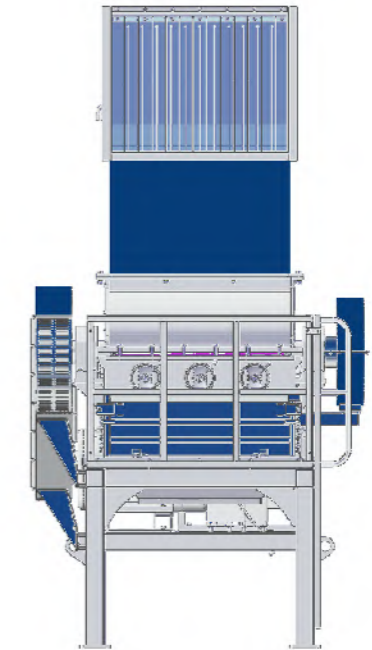
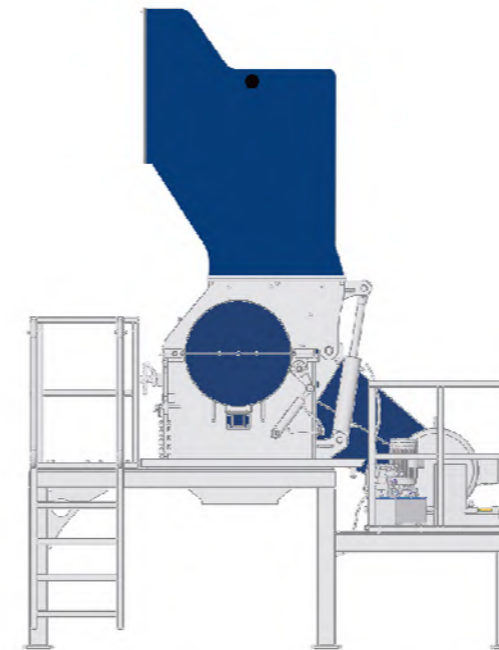
The base frame has a solid welded construction with anti-vibration rubber feet to reduce vibration and noise. The drive motor is mounted on tension rails to allow easy adjustment of the V-belt tension. Integrated suction trough for material discharge.

Specially designed hopper with 3 sets of curtains to prevent material flybacks.

Integrated rundown safety device prevents access to the rotor until it has come to a complete stop. A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

SPECIFICATION >

ITEM	UNIT	AGF500/700	AGF700/1000	AGF700/1200	AGF800/1600
Rotor Diameter	mm	Φ500	Φ700	Φ700	Φ800
Rotor Width	mm	700	1000	1160	1560
Rotor Knives	pcs	5×2	5×2/7×2	5×2/7×2	5×4/7×4
Stator Knives	row	2	2	2	2
Cutting Chamber Dimensions	mm	500×700	700×1000	700×1176	800×1600
Motor Power	kw	37~55	75	90	160
Capacity	Ton/hr	0.3~0.5	0.6~1	1.5~2	2.5~3



APPLICATIONS >

PLASTICS FILMS / PLASTIC BOTTLES / THIN WALLED HOLLOW PLASTICS / THIN WALLED PLASTIC COMPONENTS

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