



The Economic Choice

ESL

Low speed granulators



EconoGrind
the economic choice

EG2-100.2(EG)



ESL 180/180–ESL 180/430

The low speed granulators in the ESL 180 Series have been specially developed as low speed grinders for applications in the injection-molding sector. The material to be granulated is fed via a sound-absorbing feed hopper that is available in a range of variations to suit the application. The ESL 180/180–ESL 180/430 granulators are mounted on either low or high level baseframes, depending on the application, and they come with suction troughs/bag fill chutes to suit. With these numerous options, the ESL Series low speed granulators can be tailored to an extremely wide range of applications.

ESL 300/400–ESL 300/800

The ESL 300/400–ESL 300/800 granulators are primarily intended for grinding scrap moldings and sprues from the injection and blow molding sector. These granulators are especially suitable for larger moldings, such as car door liners, bumpers, or hollow bodies.

Operational Reliability

All EconoGrind granulators are manufactured to meet the highest safety standards and are in compliance with ANSI and NFPA requirements. All machines offer a full 6-month warranty backed by the ACS Customer Service Group and its global network of parts and service centers.

Specifications*

Model	ESL 180/180	ESL 180/300	ESL 180/430	ESL 300/400	ESL 300/600	ESL 300/800
Rotor Speed (rpm)	200	200	200	150	150	150
Number of rotor knives	18	30	42	33	48	66
Number of bed knives	2 (4 edges)	2 (4 edges)	2 (4 edges)	2 (4 edges)	2 (4 edges)	2 (4 edges)
Rotor diameter: In. (mm)	7.1 (180)	7.1 (180)	7.1 (180)	11.8 (300)	11.8 (300)	11.8 (300)
Width of rotor: In. (mm)	7.1 (180)	11.8 (300)	16.9 (430)	15.8 (400)	23.6 (600)	31.5 (800)
Feed opening: In. (mm)	13.8 x 13.8 (350 x 350)	13.8 x 13.8 (350 x 350)	16.9 x 10.6 (430 x 270)	15.8 x 15.8 (400 x 400)	23.6 x 15.8 (600 x 400)	31.5 x 15.8 (800 x 400)
Cutting chamber opening: In. (mm)	10.6 x 7.1 (270 x 180)	10.6 x 11.8 (270 x 300)	10.6 x 16.9 (170 x 430)	15.8 x 15.8 (400 x 400)	23.6 x 15.8 (600 x 400)	31.5 x 15.8 (800 x 400)
Drive Capacity : HP (Kw)	4 (3)	5 (4)	5 (4)	10 (7.5)	15 (11)	10-25 (7.5-18.5)
Approximate Weight: lbs (kg)	290 (130)	330 (150)	375 (170)	1210 (550)	1962 (890)	2160 (980)
Throughput¹: lbs./hr (kg/hr)	PVC	110 (50) ¹	110 (50) ¹	110 (50) ¹	265 (120) ¹	440 (200) ¹
	LDPE	80 (50) ¹	80 (50) ¹	80 (50) ¹	220 (100) ¹	400 (180) ¹

* Subject to Technical Modifications

¹Throughputs vary depending on material being processed.





Unique Knife Design

Unique knives make adjustment work unnecessary. The curvature of the specially profiled rotor knives ensures a constant cutting circle after re-sharpening, maintaining the cutting gap. Awkward knife adjustments are no longer necessary, and downtime is reduced. The ESL bed knives can be turned 4 times and can also be re-sharpened.

Sturdy Rotor System

The rotor shaft has bearings at each end and the shaft diameter is designed for the largest rotor width to enable use of a modular assembly across the width range. Staggered rotor blades means that only one blade cuts at once, increasing the cutting torque. All of the machines in this range are therefore suitable for grinding more solid materials and thicker walled sprues.

Quick Snap System

The new Quick Snap System allows the lower section of the front plate to be easily removed for granulator cleaning. The lower section of the front plate is held in position by two sturdy lever clamps. An electrical limit switch prevents the operation of the machine when this lower front plate is removed. The rotor outboard bearing is mounted in the fixed upper front plate section.

Good Accessibility

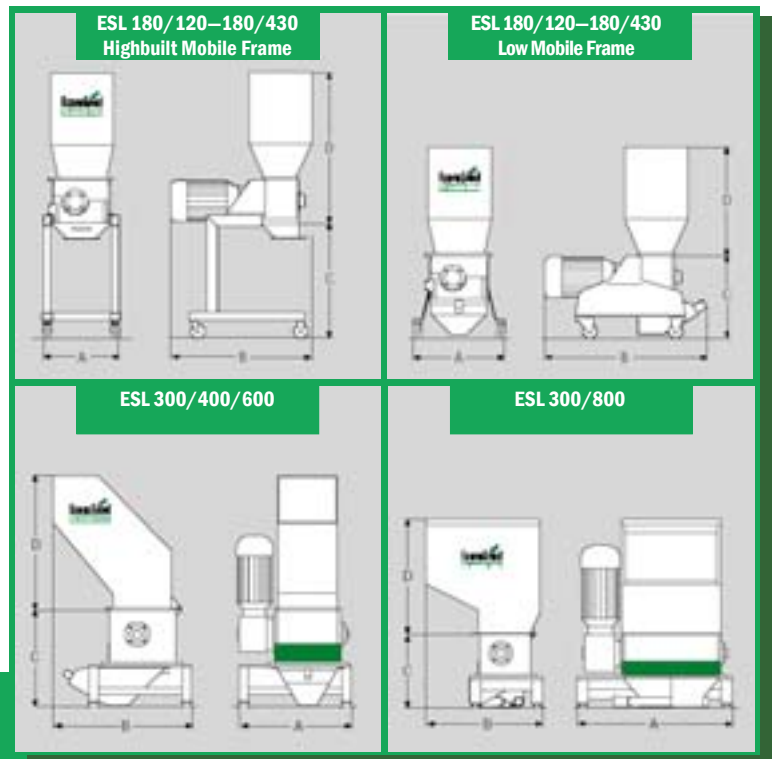
The granulators can be safely opened in just a few steps and without the use of tools. The feed hopper is hinged and can be pivoted back. After removing the lower section of the front plate and the suction trough, the machine becomes easily accessible, and ready for quick cleaning in case of color or material change.

V-Cut Rotor Design

The V-shaped arrangement of the staggered rotor blades holds pre-cut material in the center of the cutting chamber. This prevents material sticking to the side walls and considerably reduces wear on the grinding chamber walls when processing fiber and glass reinforced plastics.

Dimensions*				
In. (mm)				
Model	A	B	C	D
180/180 High	17.3 (440)	31.5 (800)	25.6 (650)	33.5 (850)
180/180 Low	20.5 (520)	35.8 (910)	17.7 (450)	23.6 (600)
180/300 High	17.3 (440)	33.9 (860)	25.6 (650)	33.5 (850)
180/300 Low	20.5 (520)	40.6 (1030)	17.7 (450)	23.6 (600)
180/430 High	17.3 (440)	39.0 (990)	25.6 (650)	50 (1270)
180/430 Low	20.5 (520)	45.7 (1160)	17.7 (450)	46 (1170)
300/400	35.4 (900)	38.6 (980)	27.6 (700)	37.0 (940)
300/600	43.3 (1100)	39.7 (1010)	27.9 (710)	36.2 (920)
300/800	55.5 (1410)	42.1 (1070)	27.6 (700)	41.3 (1050)

* Subject to Technical Modifications





High model, sack-fill



High model, mobile bin



Special hopper (Arburg model)



Straight hopper infeed

Granulation System Options

Your EconoGrind granulator can be tailored to meet a wide variety of requirements using our comprehensive range of fittings and accessories. EconoGrind offers increased performance and reduced labor requirements at a low price for maximum cost efficiency.

The Economic Choice

The goal of the Economizer line of equipment is to provide our customers with value-priced equipment and systems backed by The ACS Group's world-class customer service support.

EconoGrind brand granulators and recycling equipment provide our customers with an opportunity to maximize their recycling capability while minimizing their investments. From small, low-speed granulators to large, high-performance granulators, the EconoGrind range of machines covers the whole spectrum of plastic size reduction applications. Our high-quality products are backed by a six month warranty on both mechanical and electrical components.

If you think you can't afford to recycle, think EconoGrind.

Call us to find out how we can help you maximize your recycling returns.

Equipment Sales

EconoGrind USA
300 Turner Street
South Attleboro, MA 02703-7900

Phone: 1 (508) 399-3018
Fax: 1 (508) 399-3150



Parts and Service

ACS Customer Service Group
Phone: 1 (800) 229-2919
Fax: 1 (508) 399-6306



Visit our website at www.econogrind.com. Please visit or call us anytime to discuss your recycling needs.