



STERLING

Blending | Conveying | Drying
Process Cooling | Heat Transfer | **Size Reduction**

FX SERIES

Beside The Press Granulators



Superior Maintenance Access

Application Flexibility

Enhanced Safety

Durability & Performance

Sterling's Beside The Press FX Series
Integrates into any molding or
extrusion operation for optimal
resin reclamation.

www.sterlco.com

Superior Maintenance Access

- Industry leading access to motor and screen cradle.
- Linear actuator and tensional gas spring hopper access is easy.
- Improved all discharge seals and increased manual bin volume.
- Hopper viewing windows to watch material being processed.

Application Flexibility

- Tangential and Offset chamber geometry provide flexibility to size the chamber to your exact production needs.
- Design your system with a variety of customizable options such as infeed and discharge configurations.

Enhanced Safety

- Category 3 redundant safety circuit, with two sets of interlock contacts, short circuit protection, meeting ISO-12100 standards
- Hopper viewing windows and sound dampened enclosures.

Durability & Performance

- Rugged knife assembly with precise tolerance.
- Exceptional regrind quality, yielding greater re-usable material.
- Over 65 years of proven performance in size reduction.

BESIDE THE PRESS FX SERIES

Granulation solutions tailored to your specific needs

Sterling's Beside the Press FX Series

feature a variety of durable, high performance granulators suitable for any application. The FX Series product family gives users a trio of dynamic options based on customer part size and throughput requirements. These models process a variety of materials including blow molded bottles, electrical connectors, sprue pieces, and extruded profiles. The FX Beside the Press Granulators offer superior maintenance access, application flexibility and enhanced safety without sacrificing durability or performance.



FX1600 Series



FX1000 Series



FX700 Series

Industry Leading Aftermarket Support Available

Technical Support & Training

Sterling provides expert technical support and training, allowing customers to get the most out of their production environment.

On-Site Service

Our service and support team is available to provide regular maintenance and emergency service at your facility.

Parts Support

Thousands of parts in stock, ready for same day shipment including specific wear parts. Customer service representatives are ready to assist, ensuring you get the part you need - when you need it.

Product Repair & Refurbishment

Extend the life of your investment through factory repair and refurbishment, bringing your equipment to near-new condition.

BESIDE THE PRESS FX SERIES

Enhanced Safety

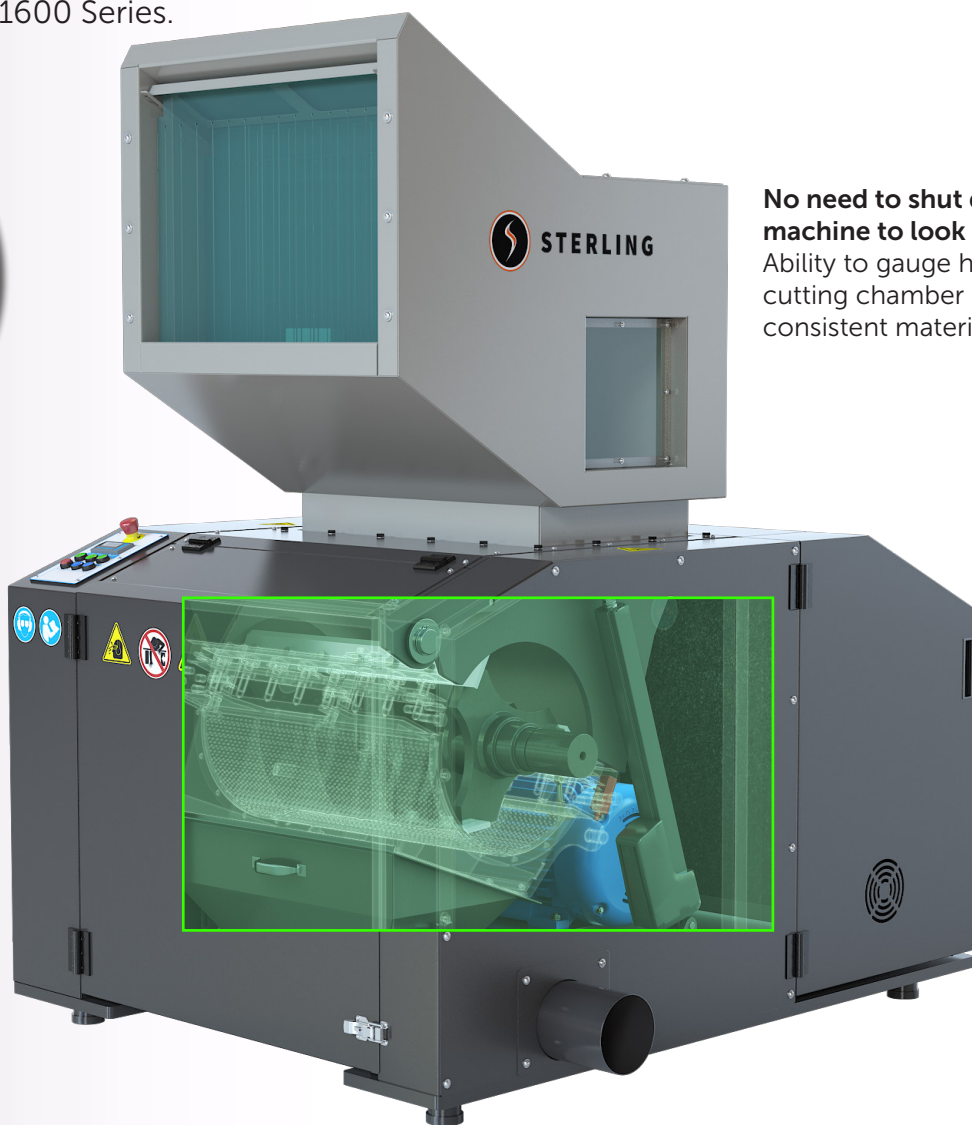
The highest level of safety for your facility

Enhancements in safety of our Beside the Press Series have made this machine one of the most safeguarded in the industry today. Hopper and discharge bins are solenoid activated, interlock is standard on FX1000 and FX1600 Series.



Sound Dampened Design

Full machine sound enclosure allows for maximum sound suppression and reduces noise levels and limits db level.



No need to shut down machine to look inside

Ability to gauge how full the cutting chamber is and verify consistent material flow.

Zero Speed Rotor Detection Provides Redundant Safety

- Two sets of redundant interlock contacts ensure there is a safety back-up for maximum reliability.
- Short circuit protection.
- Meets ISO-12100 standards.
- Category 3 Safety Circuit. *Optional on FX700 Series.

Superior Maintenance Access

FX700 Series

The Sterling FX700 Series allows easy access to the screen cradle and cutting chamber. The rotor is wide open, making cleaning and knife changes quick and easy. An improved discharge seal minimizes regrind leakage, while a larger discharge bin offers more uptime. Optional viewing windows on the hopper offer the opportunity to watch material being processed. This gives you the ability to gauge how full the cutting chamber is and verify consistent material flow without having to shut the machine down.



*Shown with optional hopper viewing windows

FX700 Series Features

- Easy access to the screen cradle and chamber.
- Improved discharge seal minimizes dust and potential regrind leakage.
- Larger discharge bin allows for longer run times between emptying.
- Optional hopper viewing windows for instant visual inspection of the cutting chamber.



Superior Maintenance Access

FX1000 Series Beside the Press

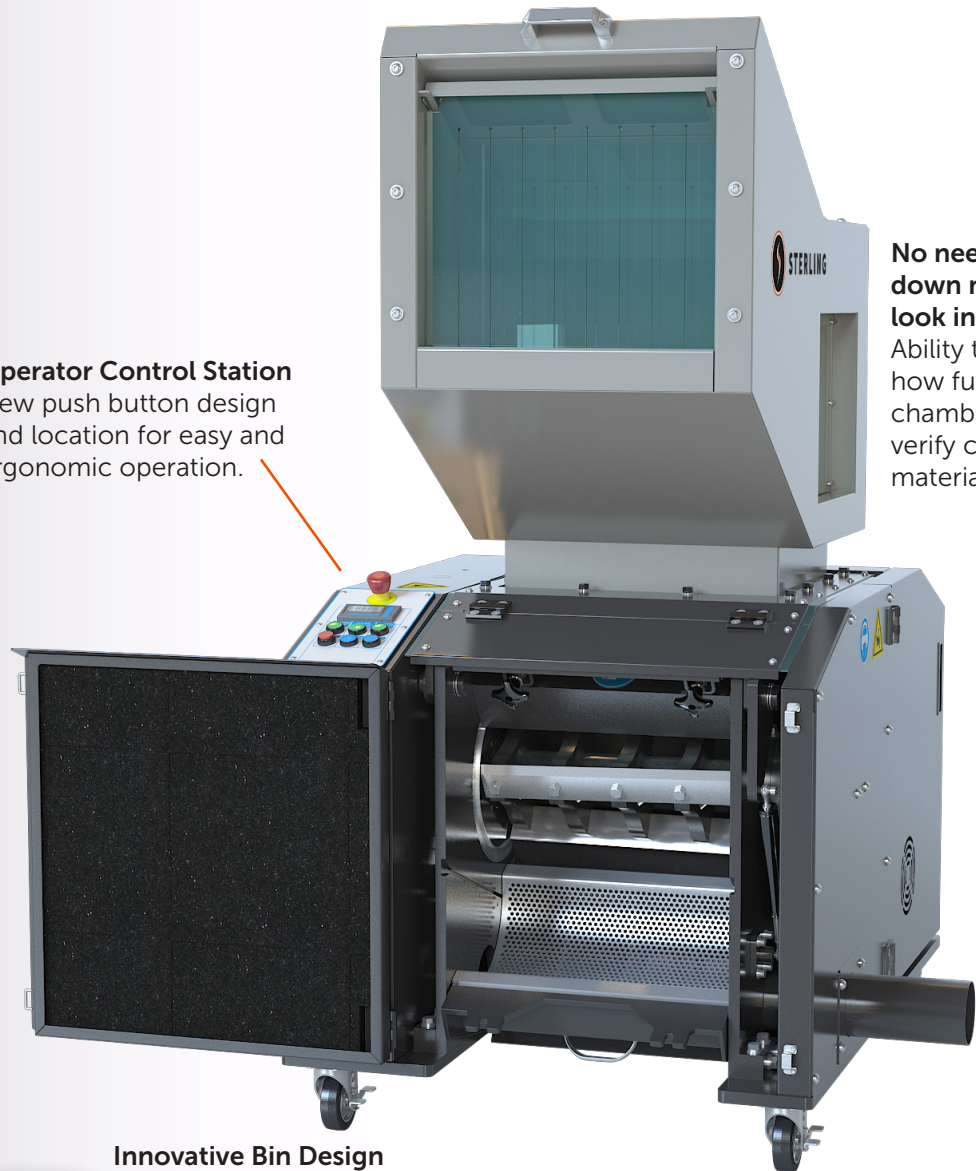
Tensional Gas Spring

Robust design requires less force to open the hopper.



Operator Control Station

New push button design and location for easy and ergonomic operation.



No need to shut down machine to look inside

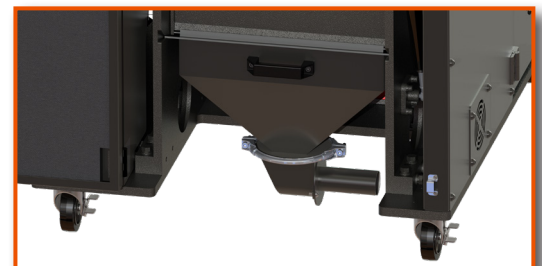
Ability to gauge how full the cutting chamber is and verify consistent material flow.

Innovative Bin Design

- Larger volume design of manual bin, which allows for longer run time between bin emptying.
- Viewing window on bin allows you to easily see the inside contents.
- Improved bin design allows for easy installation.

Flexible Vacuum Bin Design

Allows for flexibility in discharge direction.



FX1000 Series
Closed View

Access to all parts of the granulator for easy maintenance, and safer access.

FX1600 Series Beside the Press

Wide Open Design

Access to the screen cradle and rotor is wide open so cleaning and knife changes can be completed quickly.

Motor access is made easier and is located at the back compartment of the unit.

Tool Free Cutting Chamber Access

Easily access the cutting chamber without the use of tools.

Gas Spring

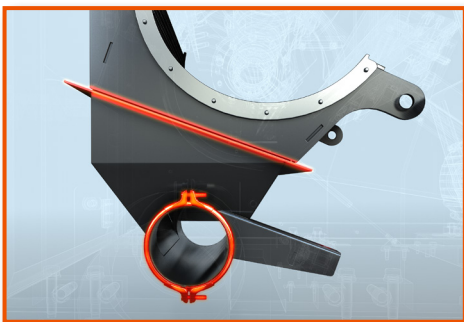
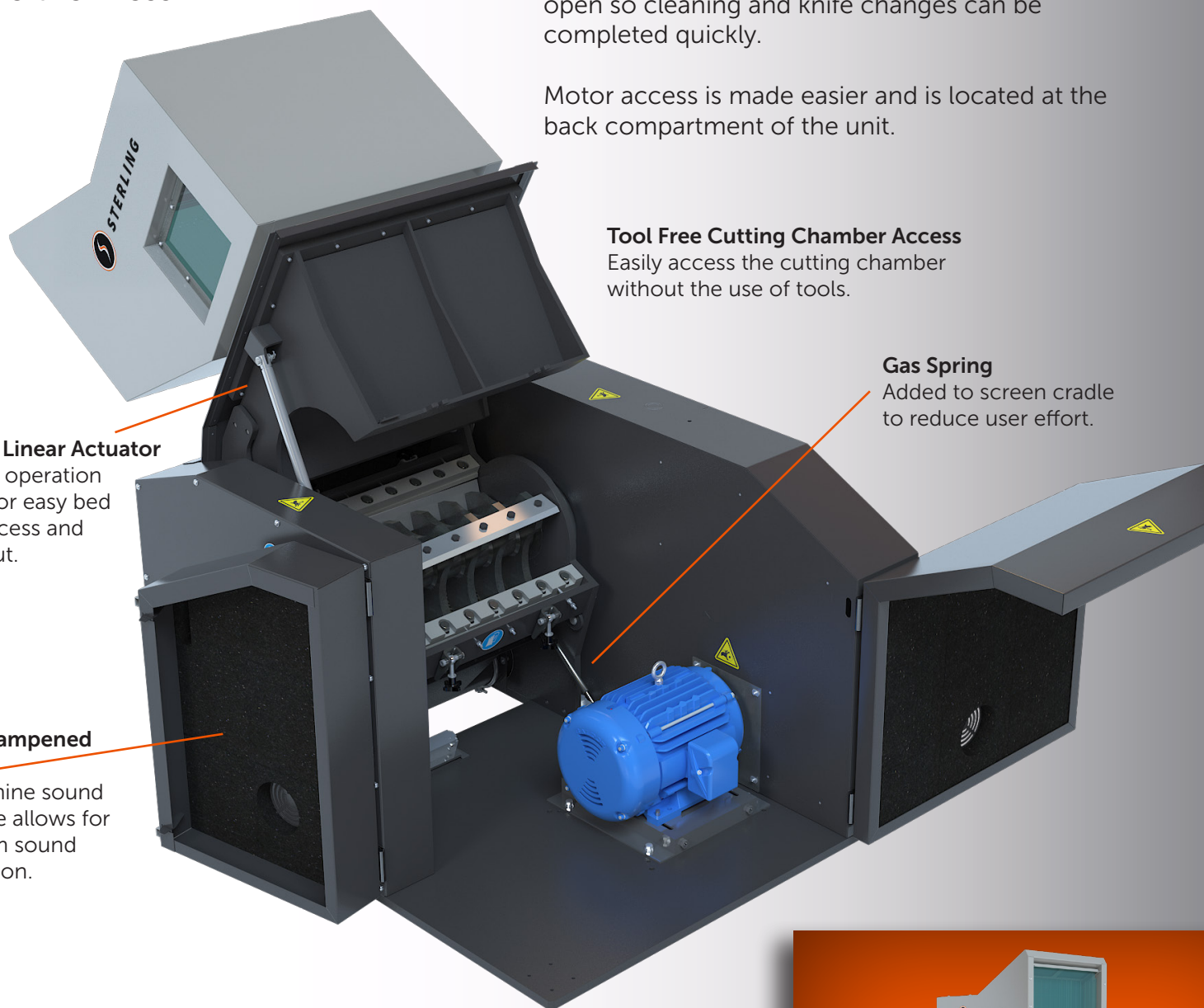
Added to screen cradle to reduce user effort.

Electric Linear Actuator

Smooth operation allows for easy bed knife access and clean out.

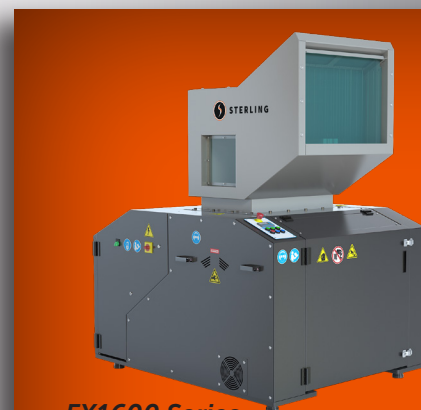
Sound Dampened Design

Full machine sound enclosure allows for maximum sound suppression.



Improved discharge seal

Seals minimize regrind leakage from the discharge.



**FX1600 Series
Closed View**

BESIDE THE PRESS FX SERIES

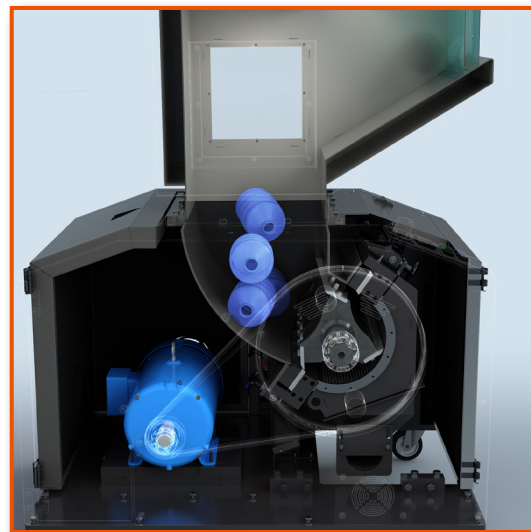
Variety of Options to Create a Machine Configured to Meet Your Needs

Determine the best chamber geometry for your application:

Tangential

- Allows processing larger parts through a smaller machine
- Three blade rotor compliments the tangential geometry for large part ingestion
- Also available in 5 knife configurations (FX1600 Series only)

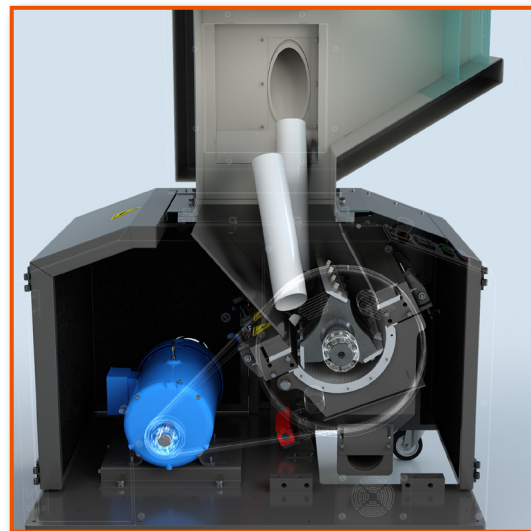
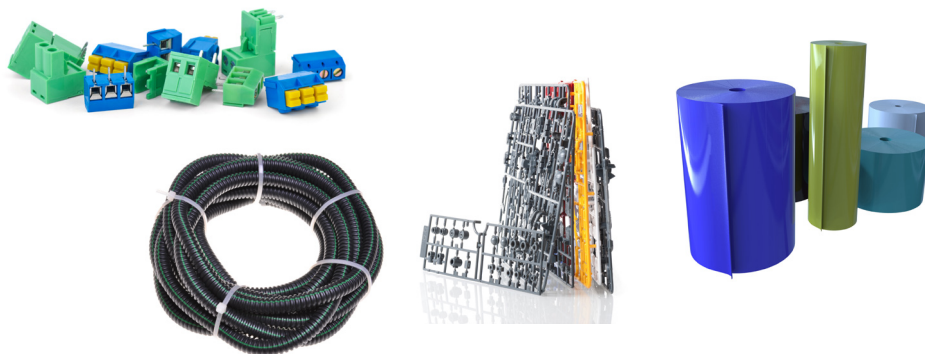
Examples: Blow Molded Containers & Bottles, Small Crates, PVC Plumbing Fittings, Fuel Cans.



Offset

- Intended for thicker walled parts and long profile extrusions

Examples: Electrical Connectors, Sprue Pieces, Edge Trim, Extruded Sheet, Automotive Parts, Tubing, Film & Sheet Rolls.

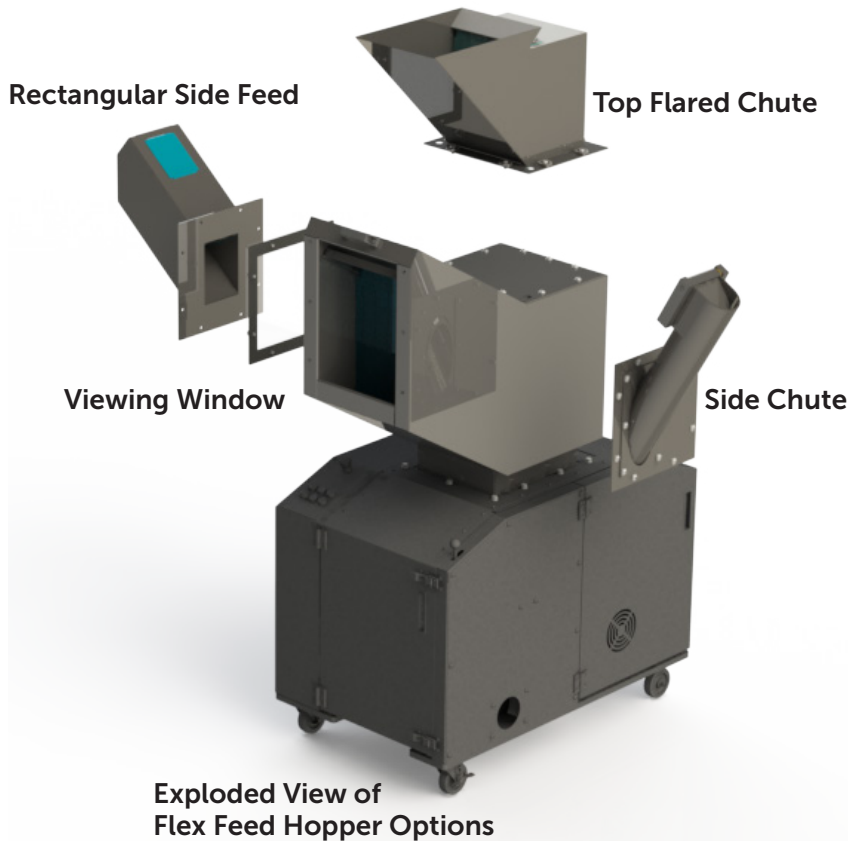


* Images represent a typical setup, other configurations available based on your specific needs.

System Configurations that Deliver

Turn to the experts in size reduction for systems that compliment your application

Configure your system with a variety of customizable options such as infeeds including a multitude hopper styles, and discharge options such as manual, blower, and vacuum discharges.



BESIDE THE PRESS FX SERIES

Rugged Durability Unmatched Performance

Built on a 75-year reputation of leadership in size reduction, Sterling granulators and shredders have proven to be rugged, reliable, and dependable. Sterling leads the way with the broadest line of granulators and shredders to meet the demanding needs of the plastics and recycling industries. Whether the application requires heavy duty, central, thermoforming, or beside the press granulators, our customers rely on Sterling to deliver their throughput requirements and produce the highest quality regrind available in the industry.



Your Source For Knives & Screens

Knives & Screens are manufactured from the highest quality steel and treated for wear resistance to maximize longevity. We stock thousands of knives, screens, and other wear parts, ready to ship at a moment's notice. Our aftermarket team delivers solutions for your exact applications.



Specifications & Features

Standard Features

- Steep Angle Rotor Knives
- 3 Blade Open Rotor
- 2 Bed Knives
- 1 Piece Reversible Screen, Choice of 1/4, 5/16, 3/8, 1/2, or 5/8
- Double-Walled Hopper & Base Construction
- NEMA 12 Control Enclosure for 230 or 460 Volts
- Tangential Chamber Geometry (10 & 16 Series)

FX700 Series

Model	Cutting Chamber	Throughput	Standard Motor	Feed Height	Rotor Diameter	Rotor Speed	Dimensions (W x L x H)	Weight
708	6.5" x 8" (165 mm x 203 mm)	100 lbs/hr (45 kg/hr)	5 hp (3.7 kW)	52.6" (1336 mm) Top feed	6.3" (160 mm)	280 rpm	23.6" x 25.9" x 52.6" (600 mm x 658 mm x 1336 mm)	540 lbs (245 kg)
712	6.5" x 12" (165 mm x 305 mm)	150 lbs/hr (68 kg/hr)					27.2" x 25.9" x 52.6" (691 mm x 658 mm x 1336 mm)	590 lbs (268 kg)
716	6.5" x 16" (165 mm x 406 mm)	200 lbs/hr (91 kg/hr)					31.2" x 25.9" x 52.6" (792 mm x 658 mm x 1336 mm)	650 lbs (295 kg)

Optional Features

- Abrasion Resistant Cutting Chamber (716)
- Vacuum Discharge
- Digital Amp Meter with Dual Set Point
- CE compliant or Custom Voltages Available
- Top Hopper with Window

FX1000 Series

Model	Cutting Chamber	Throughput	Standard Motor	Feed Height	Rotor Diameter	Rotor Speed	Dimensions (W x L x H)	Weight
1012	10" x 12" (254 mm x 305 mm)	450 lbs/hr (204 kg/hr)	5 hp (3.7 kW)	50.4" (1280 mm) Top feed or Conveyor feed hopper	10" (254 mm)	440 rpm	30.1" x 49.0" x 70.1" (765 mm x 1245 mm x 1781 mm)	1,750 lbs (794 kg)
1018	10" x 18" (254 mm x 457 mm)	550 lbs/hr (250 kg/hr)					36.1" x 49.0" x 70.1" (917 mm x 1245 mm x 1781 mm)	1,940 lbs (880 kg)

Optional Features

- Offset Cutting Chamber
- Abrasion Resistant Cutting Chamber (1018)
- Conveyor Feed Hopper with Window
- Adjustable Tray Feed, Side Feed Hopper, Feedroll Infeed, or Custom Hoppers available
- Digital Amp Meter with Dual Set Point
- CE compliant or Custom Voltages Available
- Machine Mounted Blower, Vacuum, or Airveyor Discharges

FX1600 Series

Model	Cutting Chamber	Throughput	Standard Motor	Feed Height	Rotor Diameter	Rotor Speed	Dimensions (W x L x H)	Weight
1620	16" x 20" (406 mm x 508 mm)	900 lbs/hr (408 kg/hr)	20 hp (15 kW)	59.4" (1509 mm) Conveyor feed	16.5" (419 mm)	450 rpm	52.5" x 67.8" x 83.5" (1334 mm x 1722 mm x 2120 mm)	3,300 lbs (1497 kg)
1628	16" x 28" (406 mm x 711 mm)	1,500 lbs/hr (680 kg/hr)	20 hp (15 kW)				60.5" x 67.8" x 83.5" (1537 mm x 1722 mm x 2120 mm)	3,900 lbs (1769 kg)
1640	16" x 40" (406 mm x 1021 mm)	1,800 lbs/hr (816 kg/hr)	30 hp (22 kW)				72.5" x 67.8" x 83.5" (1842 mm x 1722 mm x 2120 mm)	4,500 lbs (2041 kg)

Optional Features

- Offset Cutting Chamber
- Abrasion Resistant Cutting Chamber
- High Capacity Electric Actuator
- 5 Blade Slant Rotor (1620 & 1628)
- 5 Blade Twin Shear Rotor (1640)
- Conveyor Feed Hopper with Window
- Adjustable Tray Feed, Side Feed Hopper, or Sheet Feed Infeed
- Digital Amp Meter with Dual Set Point
- CE compliant or Custom Voltages Available
- Machine Mounted Blower, Vacuum, or Manual Discharges

Get More From Your Production Floor

Count on Sterling to bring you all the technologies you need to advance uptime, energy efficiency and performance in your operation. Turn to our technical support team to evaluate your expected system loads and load characteristics, energy and climate-related issues as well as incorporating new equipment with plastics industry equipment you already own.

Sterling History

Sterling has been an innovator in the industry for over 100 years. Mold temperature control units continue to be called "Sterlcos" because when you bring such an important product to market, the name sticks. Sterling brings a reputation of quality and unmatched reliability. As the industry leader, Sterling provides the largest line of process heating and cooling TCU's, chillers, and cooling systems. Sterling supplies innovative solutions to a wide range of process industries, and has grown to be a leader in blending, drying, conveying, and size reduction equipment.

Aftermarket Service & Support

Sterling has a service network across the United States and in several key international locations. We are focused on having the right people and products in the right places to keep our customers running efficiently. Whether you need On-Site Service, Technical Support & Training, Parts Support or even Product Repair & Refurbishment, we have you covered. Contact our team today for all of your aftermarket needs at 262-641-8600 or service@acscorporate.com.

About ACS Group

The ACS Group designs, manufactures, markets and supports one of the most comprehensive lines of auxiliary products for the plastics processing industry. Over the years, ACS Group has grown both organically through technical innovation and through acquisition. ACS Group offers an expansive product line, which includes size reduction equipment (granulators and shredders), material conveying equipment, metering and blending devices, heat exchangers (mold temperature controls units and chillers), drying systems, and hydraulic presses.



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