



**STERLING**

# Product Family Overview



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

[sterlco.com](http://sterlco.com)



## Material Blenders & Feeders

Blend color, additives, and regrind into your process. Sterling provides a wide range of blending and feeding systems for metering resin and other plastic processing additives into extruders, injection molding machines, and other process equipment.



## Dryers & Drying Systems

Drying systems provide simple and fast drying of your process material. A variety of models are available, providing quality drying performance for nearly any application.

- Desiccant Bed Dryers
- Desiccant Wheel Dryers
- Central Drying Systems
- Portable Dryers
- Hot Air Dryers
- Drying Hoppers



## Conveying Systems

Efficiently move your free-flowing, pelletized, regrind or powder material drawn from hoppers, drums, bins, material bags, or gaylords.



- Conveying Controls
- Hopper Loaders
- Vacuum Receivers
- AFC-S Filter Chambers

## Vacuum Pumps

Sterling's vacuum pumps are designed for 24 hour, continuous operation. Perfect for central conveying applications.

- VP Series Vacuum Pumps
- APD Vacuum Pumps





## Material Storage Systems

Hold and store bulk plastic material. Sterling's line of bulk material handling and storage equipment includes an extensive standard product line. Turn to Sterling for systems development, custom design capabilities, and heavy-duty components.

- Silos
- Container Tilters
- Surge Bins
- Bulk Bag Loaders and Unloaders
- Container Dumpers
- Batch Mixers
- Bag Break Systems
- Screw Conveyors



## Film Reclaim Systems

Sterling's film reclaim systems cover all the needs of a blown or cast film producer's recycling process, helping to reduce manufacturing costs.



- Reclaim Feeders
- Edge Trim Conveying
- Edge Trim Feedrolls
- Film Grinders
- Fluff Feed Hoppers
- Fluff Blowers & Cyclones
- Fluff Storage Tanks

## Systems Contracting

One of our greatest strengths is taking your production requirements and business objectives and recommending one or more approaches to a complete auxiliary system design. We work with you through the design, engineering, manufacturing, and installation phases to meet your unique application needs.





## Temperature Control Units

A full line of oil and water temperature control systems to meet demanding application needs. Each TCU combines precise, automatic temperature control with easy operation for unmatched reliability and performance.



## Central Chillers

The latest in efficient, reliable Central Chilling Systems. Combining smart technology with modular capabilities, these chillers are designed to reduce downtime and grow with expanding application needs.



## Packaged & Portable Chillers

All Sterling Portable Chillers feature a unique design that simplifies service and maintenance while conserving valuable production floor space.

Packaged Chillers by Sterling are specially engineered for small, demanding industrial applications. Each self-contained unit is designed for immediate hook-up and is ready to supply clean, cooling water at constant temperatures. A wide range of economical options are available to meet or exceed the demands of almost any application.



## Adiabatic Cooling

The Hybrid Adiabatic Cooling System is a freeze proof solution that combines dry air cooling during cooler months with evaporative cooling during warmer months. It provides exceptional savings in water, energy, and maintenance while providing dependable, safe process cooling.



## Pump Tanks

Pump tank assemblies are backed by proven engineering and expert fabrication that have made these systems the standard of the industry for decades. These versatile tanks can be modified to meet the specific needs of each facility and application.



## Cooling Towers

A wide range of cooling towers available from Sterling's Winter Kooler, taking advantage of low outdoor ambient temperatures, to traditional cooling towers.



## Blown Film Coolers

BFC Series blown film coolers boost productivity by eliminating production variables. Fully-engineered chilled water coil assemblies deliver air ring cooling at constant temperature, pressure, and volume.







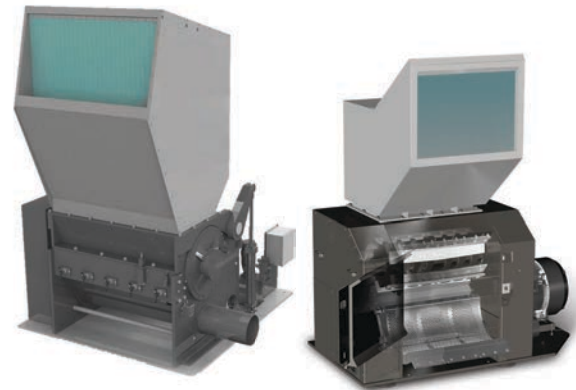
## Beside the Press Series

Sterling's newest series of Beside the Press Granulators feature a variety of durable, high performance machines. Each machine integrates into any molding or extrusion operation for resin reclaim directly at the side of the press.



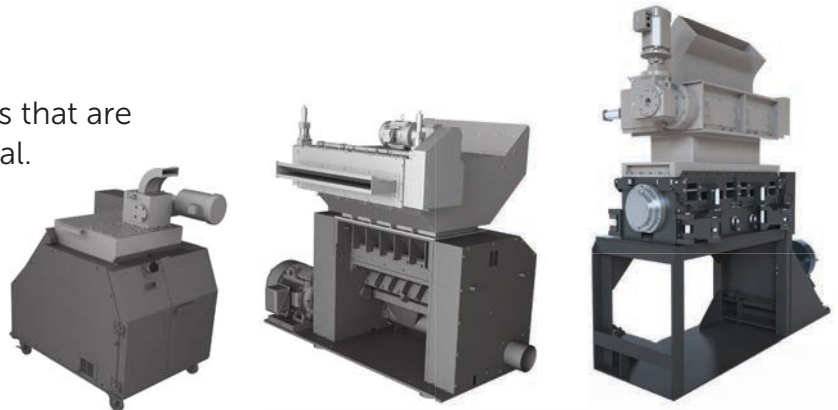
## Central Series

Flexibility to process large volume parts, with the capability to configure the cutting chamber to grind higher density parts. Tangential or Offset geometries are available, allowing you to create a machine especially configured to your process needs. High quality output makes it easier to utilize the maximum amount of recycled material in your process.



## Thermoforming Series

Featuring a variety of Granulators & Feedrolls that are designed to process a wide variety of material. Expertly designed infeed systems ensure smooth processing of materials from startup through full-speed operation. Our granulators and feedrolls are ruggedly built to handle a multitude of materials and throughput requirements.



## Heavy Duty Granulators

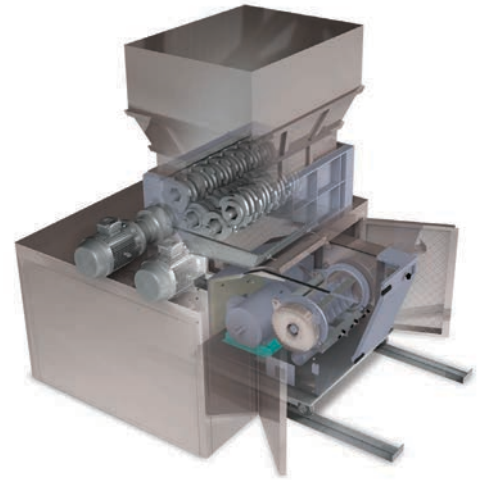
Heavy Duty Granulators are designed for the most demanding applications. From low density fiber to heavy purgings, Sterling's largest granulators are ready to tackle your high-capacity size reduction needs. With a broad range of models and options, the Heavy Duty Series Granulators are designed with large throughput processes in mind. The toughest granulators on the market are ready to take on your most demanding applications.



## Shredding Systems

Make your reclaim efforts more efficient, versatile, and profitable. By properly sizing plastic scrap in a responsible way, materials are reclaimed in a more precise fashion. When used as first stage for efficient and reliable pre-breaking, shredders can add value and quality to your overall process.

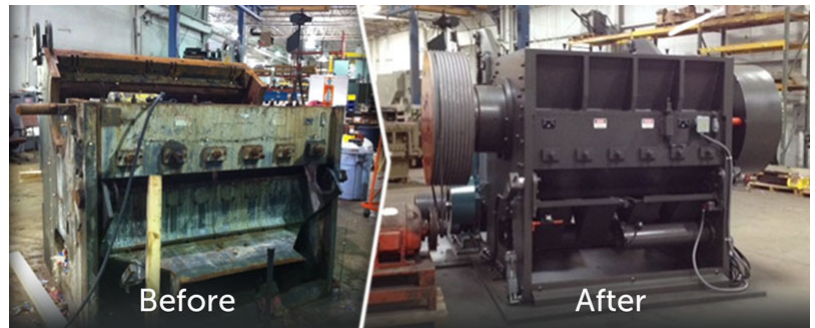
- S Series 4 Shaft Shredder
- MR Series Single Shaft Shredder
- Combi Shredder: Integrating a Shredder & Granulator in one



## Product Repair & Refurbishment

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

- Sterling can rebuild your granulators, shredders, and feedrolls to the exacting original equipment specifications.
- Rebuilt to like-new condition for 40% - 50% of the cost of a new product.
- Typical rebuild includes Bearings, Blades, Screens, Housings, Shields, Wear Plates, Hole Repair, Knife Block Repair, Testing, and repainting to like-new condition.



3263 Granulator Before and After Rebuild

## 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.



Sterling is the frontrunner in temperature control units for plastics and industrial applications. For more than 100 years, Sterling and the Sterlco® brands have been synonymous with dependable temperature control for applications in plastics, food and beverage, pharmaceutical, and many other industries.

Sterling has grown to be a market leader across a broad range auxiliary equipment for the plastics industry, leading the way in chillers and process cooling, material handling, and granulators.

Sterling brings a century of experience, providing our customers with premium value and quality. For more information, visit [www.sterlco.com](http://www.sterlco.com).



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