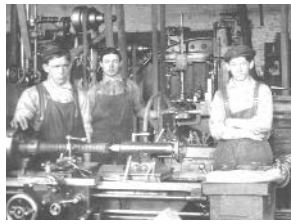


Since 1918

Size Reduction Specialists

**Franklin
Miller** inc.



Here's What Happens When You Put 75 Years and 3 Generations Of Quality & Service To Work For You



Experience



Franklin Miller Inc. is a leader in size reduction technology. For three generations we have been designing and building size reduction processors to meet or exceed our customers' needs.

We specialize in matching proven solutions to your specific process problems - from stock and customized machinery to fully integrated systems. We're cutting problem solids down to size in plant operations worldwide.

Our broad product line is designed for use in a wide variety of wet or dry applications including chemical and drug processing, plastics, pigments, food, mining, solid waste, environmental, wastewater, and agricultural products.

Franklin Miller size reduction processors are used for dry powder de-agglomeration, with liquids or solids in pressurized systems, and in cryogenic and other extreme temperature and pressure environments. We have crushers suitable for vertical or gravity systems or directly in full enclosed pipe systems.

Our shredders are used for recycling and reprocessing of wet or dry waste materials

in manufacturing, demilitarization, remediation, hazardous waste reduction, and in destroying high security items.

Our complete line of wastewater comminutors and grinders is used for eliminating blockages and protecting downstream equipment in municipal and wastewater facilities.

We cut problem solids down to size.



Delumper™ Crushers

Chop Condition Break Pulverize



Clean-In-Place



Inline Crushing



Easy Maintenance

DELUMPER Crushers feature solid construction, smooth finish and design elements that make them truly a breed apart for unsurpassed performance and reliability.

DELUMPER L SERIES

A once-through, nonchurning, crushing action dependably reduces lumps to basic grain size without overgrind, heat rise or fines. These units have seamless rectangular bodies and shaft seals for full product containment. A smooth drum with individually replaceable teeth and combs dependably reduces solids.

DELUMPER LP SERIES

Take the DELUMPER L and add heavy-duty extended LP cutter teeth that are individually replaceable. The teeth rotate through a rugged bar grating providing aggressive crushing of tough, abrasive, sticky, wet or dry solids in high volume. The rugged Twin LP and Triple LP employ oversized cutting chambers. The interaction of multiple parallel shafts provides powerful, high-volume reduction. This unit can also provide ultra-gentle reduction at low rotational speed for preservation of sensitive materials.

1077S4 DELUMPER

This sanitary crusher is used for precise deagglomeration in food, pharmaceutical and chemical applications. A side panel and cantilevered drive provide convenient interior access to cutting chamber and fast removal of the cutting elements.

PIPELINE DELUMPER

This pressure-rated inline processor installs in pipe systems like an ordinary valve. It aggressively reduces entrained solids, quickly improves flow properties, protects downstream equipment and enhances processing.

Taskmaster® Shredders



Solid Waste



Wastewater Applications



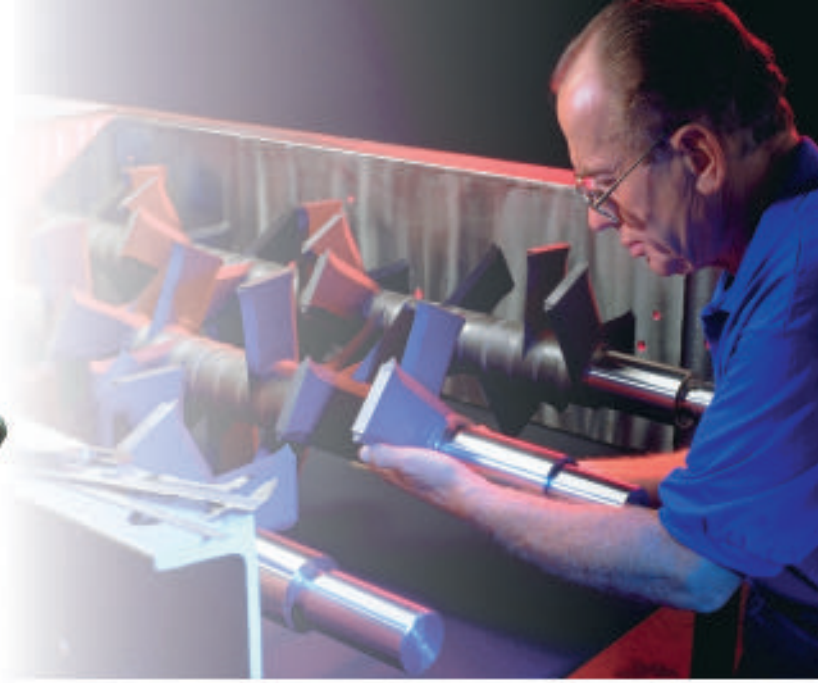
TASKMASTER Shredders employ a low-speed, high-torque mechanism for powerful reduction of tough, bulky waste solids. Two banks of cutters mounted on twin shafts intermesh at close clearance for powerful shearing action. These units are capable of reducing a variety of bulk solids by up to 80% for significant savings. Confidential documents, off-spec manufactured items, electronic components, wood, plastic and rubber parts, wastewater, solid waste, and sewage screenings can easily be handled.

A variety of cutter designs are available to optimize performance for specific applications. An optional packing ram is available to assist in feeding. Units can be constructed in steel or stainless steel. A dependable seal system adds an extra measure of reliability for applications with high liquid content or hazardous material.

TASKMASTERS are available in a variety of sizes with inlet openings from 8" to 32" wide and with 2 to 200 HP motors and drives. Units are provided standard with hopper, stand and S260 Automatic Reversing Control System.

The TASKMASTER is designed with operators in mind and to facilitate ease of maintenance.

The unique SPLIT-BODY construction of the TASKMASTER allows optional removal of the entire cutter stack as one piece for fast change-out of cutters for maintenance. This eliminates the need for arduous and time-consuming removal of individual cutters and spacers. With the SPLIT-BODY design, the TASKMASTER can be back in operation in a fraction of the time it takes to maintain units without this feature.



Process Solutions



Engineering & Testing



Franklin Miller products are known for uncompromised quality and effectiveness. We carefully design and produce each unit to standards for operation, fit and durability.

PARTS AND SERVICE

Franklin Miller is 100% committed to customer service and satisfaction. Our staff is on call from initial product consultation through commissioning and long afterwards to assist you. We extensively inventory spare parts. In fact, we ship parts for machines sold as long as 30 years ago.

DESIGN ENGINEERING

Beyond our standard product line, we supply customized equipment for special operating environments such as for extreme temperatures or pressures, or for high corrosion or abrasion conditions. We can also design a full-size reduction system to simplify or automate your production.

CUSTOM OPTION

FMI options include: hoppers, stands and casters, hardfacing, coatings, quick clean out ports, safety interlocks, special polishes and screens.

The technicians at Franklin Miller's test lab regularly conduct tests on customer materials to assure that the application requirements are met. Material characteristics such as friability, moisture content, particle size requirements, rates and power requirements are evaluated.

The sales engineer can then solidly recommend the best solution for the job. If material cannot be provided, we may be able to supply test equipment for use directly at your plant. To send a sample of your material call:

(973) 535-9200

Systems



With our extensive product line we can supply solutions to many size reduction needs fast. But we don't stop there! FMI's custom engineering department can provide complete turnkey systems as well.

From customized equipment and special machinery to complete turnkey systems, FMI is ready to provide engineered solutions custom-fit to your application. FMI can provide systems to increase product quality and consistency, minimize handling, meet environmental standards, speed processing and reduce waste. We can provide complete size reduction systems with feeding, weighing, conveying, dumping, mixing, compacting and pumping elements.

For your next special system requirement, call on FMI for a proposal.

(973) 535-9200

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Other FMI Processors

Super Shredder®



The Super Shredder finely shreds tough, stringy, waxy, problematic solids and sludge in both enclosed pipe

systems or open channels. Unequaled for its performance and reliability, this unit is widely installed in countless sludge, sewage and chemical installations worldwide.

The heart of this unit is a patented two-piece cutting mechanism. A skewed rack of cutters on a spherical rotor passes at close tolerance through a special stationary cutting assembly. This design leaves the center open for free flow of liquids.

The compact one piece cutting elements are hard faced for long life and abrasion resistance..

Vulcanator®

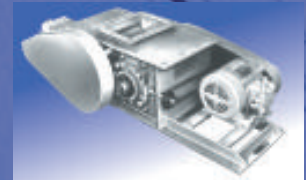


Vulcanator rubber granulator reduces full rubber bales into small bits in

one step. This unit granulates rubber into fine bits without creating the heat rise that plagues previous designs. It can also be installed directly above tanks or mixers, in gravity systems, or as part of a pneumatic system.

3 models are available with motor and drives from 60 to 150 HP.

Supreme® Roll Mills



SUPREME Roll Mills provide precise milling with a narrow particle size distribution. A variety of models are available in carbon and stainless steel construction, including our 9x6 pilot roll mill and 10x10, 10x20 and 10x30 models. A variety of roll corrugations; automatic gap controls; single and tandem units, and other special features are also available.