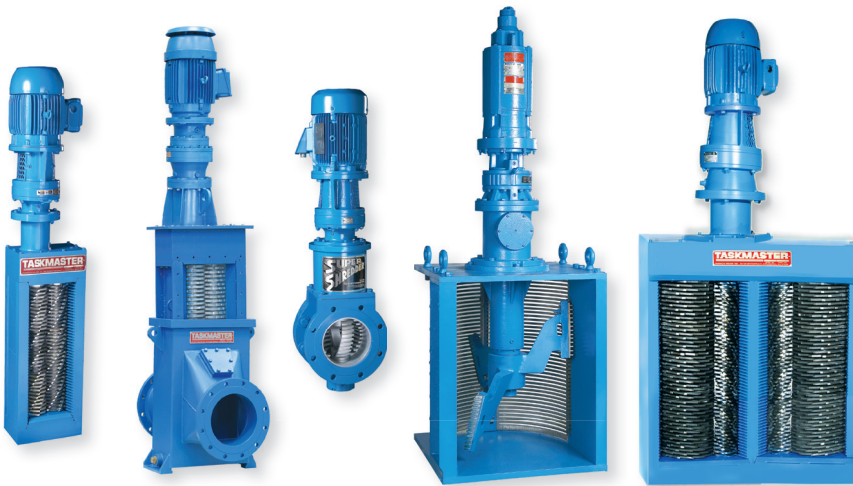


Grinder Series Overview

WORLD CLASS GRINDERS

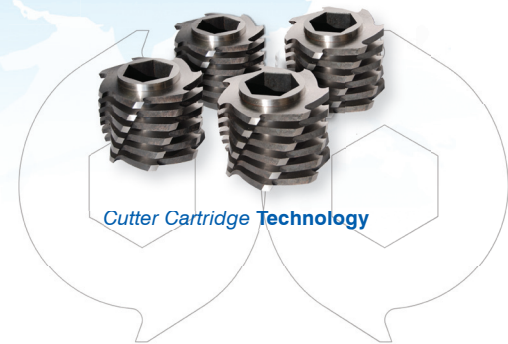
Franklin Miller's broad range of grinders and comminutors are designed for both reliability and ease of maintenance. Backed by over 50 years of experience, these units have exclusive features that make them truly a cut above.



Franklin Miller grinders reduce a wide variety of materials including sanitary wipes, rags, wood, paper, sludge and more. These units are proven to reduce pump clogging, protect process and dewatering equipment, reduce solids and keep wastewater systems running smoothly. Applications include: wastewater headworks, sludge, recirculation, septage receiving, protecting of dewatering equipment such as belt filter presses and centrifuges, as well as a variety of industrial applications such as fish processing, bio-solids, oil transfer and more.

Automatic Control Systems

An S25060 Automatic Reversing Control system monitors unit operation and automatically cycles the grinder in case of an overload condition. This industrial control panel is supplied complete with a NEMA 4X FRP enclosure, 100,000-hour life LED indicators and more.



OPTIONS

- ◊ Submersible Motors
- ◊ Guide Rails
- ◊ Hydraulic Drives
- ◊ Wet Well Frames
- ◊ Stainless Steel Construction
- ◊ Special Purpose Seals
- ◊ Stand and Hopper





TASKMASTER® TM8500

The TASKMASTER® TM8500 series of twin-shaft grinders provide highly effective operation, easy maintenance and exceptional durability. The TM8500 employs *cutter cartridges* instead of individual cutters and spacers which improve unit strength and reliability. The TASKMASTER reduces wood, rags, paper, sewage, sludge, tampons, cardboard, plastic, fabrics and waste items into fine particles, for further processing or disposal.

FEATURES

- Finely Ground Output
- Prevents Ragging and Plugging
- Highly Reliable Rugged Construction
- Cutter Cartridge®* Technology
- No Stack Re-tightening



TASKMASTER® INLINE

TASKMASTER® inline grinders employ a powerful twin-shaft mechanism and *Cutter Cartridge®* technology to reduce solids in pipeline systems. These versatile processors feature drop-in housings for fast and easy maintenance without disturbing the pipe system. They easily reduce sewage solids such as wipes and sanitary napkins, sludge and more.

- Effective Twin-shaft Design
- Cutter Cartridge®* Technology
- Reduce Pump Downtime
- Reduce Wipes to Fine Particles
- Highly Reliable Seal Design
- Keep Pipelines Free Flowing



TASKMASTER® TITAN®

The TASKMASTER® TITAN® employs two counter-rotating shafts, but unlike previous twin-shaft grinders, one cutter stack intermeshes with a second one which has a much larger diameter. As a result, this unit has much higher liquid handling capability than typical high-flow twin-shaft grinders. It has a much larger throat opening that is capable of handling bulky or round objects.

- Large Throat Opening For Larger Solids
- High Flow Capability
- Rugged and Durable
- Low Headloss
- Fine Output
- No Diverter Screens



TASKMASTER® TM1600

The TASKMASTER® TM1600 powerful twin-shaft grinder can handle a large volume of rags, sludge, solid waste, institutional waste, screenings and more. This grinder employs up to a 20HP motor to reduce heavy screenings, correctional institution sanitary waste, wipes, rejects and returns, garments, filters, bottles, containers, plastics, turnings, wood, packaging, paper, electronic components, concession waste, newspapers and more.

- Heavy Duty Construction
- Heavy Solids Capability
- Rugged 2-3/4" Hex Shafting
- Proven Reliable Mechanical Seals
- Channel, Gravity or Pipe Systems



SUPER SHREDDER®

The SUPER SHREDDER® inline disintegrator reduces tough solids entrained in pipeline systems. This unit combines world class size reduction capabilities with a stream-lined, easy-to-maintain design that features only two working elements. The SUPER SHREDDER is ideal for applications requiring a heavy-duty size reduction processor that can handle high flows with minimal headloss.

- Powerful Grinding Capabilities
- Finely Ground Output
- High Flow Capability
- Low Headloss
- Few Moving Parts
- Hardfaced Stainless Steel Cutters



DIMMINUTOR®

The DIMMINUTOR® provides automatic screening and grinding of liquid borne solids with a straight through open channel design. This unit effectively reduces plastics, wood, vegetable matter, disposables, and other oversized items to fine particles. The unique features of the DIMMINUTOR are heavy precision construction, dependable operation and simplified maintenance.

- Keeps Systems Running Smoothly
- High Flow, Low Headloss
- Rugged Seamless Screen
- Efficient Design
- Individually Replaceable Cutters
- No Bottom Seals or Bearings

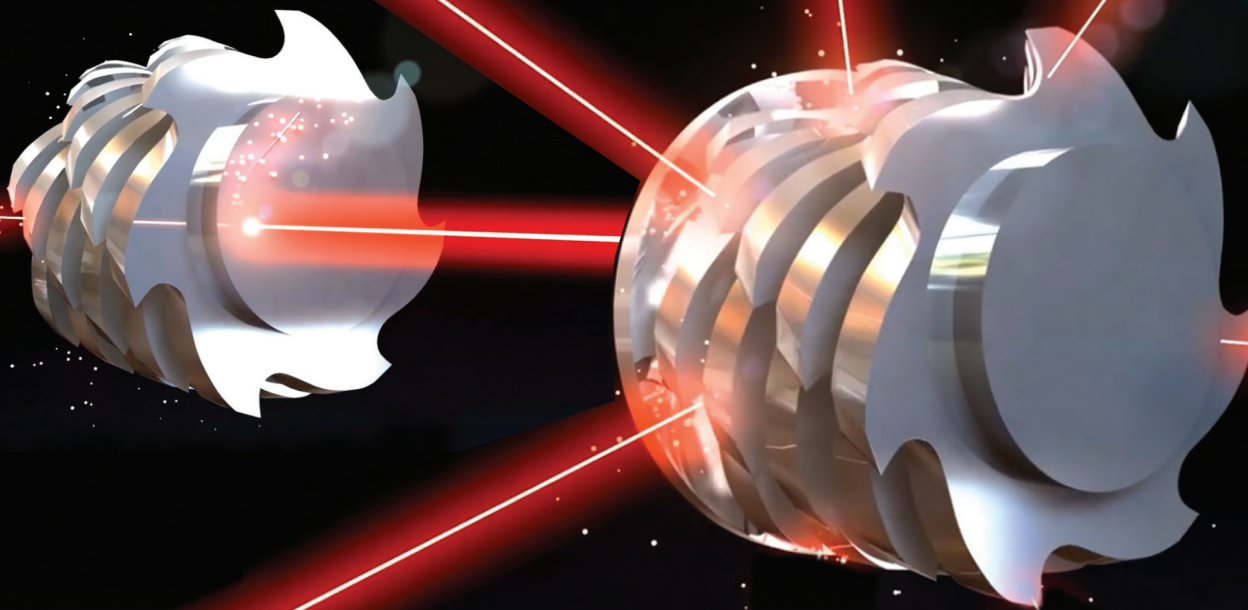
www.franklinmiller.com

60 Okner Parkway, Livingston, NJ 07039 USA • Toll Free: 1-800-932-0599
Phone: 973-535-9200 • EUROPEAN PHONE: +44 (0) 161 302 7055
Web: www.franklinmiller.com • E-mail: info@franklinmiller.com

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**Franklin
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See the difference...

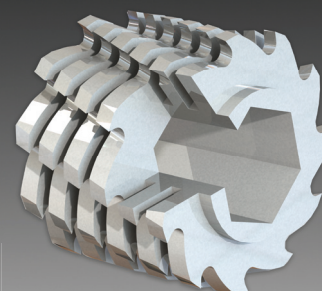


THE ADVANTAGES OF CUTTER CARTRIDGE® TECHNOLOGY

Cutter Cartridge® technology is a major innovation at the core of the TASKMASTER® grinder's superior performance. The *Cutter Cartridge* combines 6 cutters and 6 spacers into rugged one-piece elements, greatly reducing individual cutter parts and increasing unit strength and reliability.

Cutter Cartridge Technology Advantages

- **Reduce Parts:** Cuts individual cutter and spacer parts by a factor of 12:1.
- **Enhances Unit Strength:** Increases the grinder strength by eliminating multitudes of weak cutter and spacer disks.
- **No Stack Retightening Required:** Stack retightening is a maintenance headache that is completely eliminated.
- **No Stack Loosening:** Units with individual cutter and spacer disks can have premature shaft, cutter and seal failure due to stack loosening.
- **No Stack Collapse:** Catastrophic stack collapse can happen when even one cutter or spacer disk cracks in other grinders. This is not the case with *Cutter Cartridge* technology.
- **Higher Precision:** All surfaces are precision machined for sharper cutting edges. The cutter lengths are closely controlled eliminating stack tolerance accumulation and assuring much better cutter alignment.
- **Better on Shafting:** The problem of scoring which can ruin grinder shafts is eliminated. Additionally, *Cutter Cartridge* technology actually reinforces the unit shafting and reduces deflection.



Above: A cutaway of a Cutter Cartridge shows its solid, one piece design.



Replace Your Grinder with a Franklin Miller Taskmaster



FEATURES:

- Wipes Certified Grinding
- Submersible Motors
- Cutter Cartridge Technology
- Coarse or Finely Cut Output Configurations
- Prevents Ragging & Plugging
- Few Moving Parts
- No Stack Retightening
- Rugged Construction

TASKMASTER® grinder technology has the unsurpassed ability to reduce difficult wipes to fine bits to alleviate clogs.

The **TM8500** series of twin-shaft grinders provide highly effective operation, easy maintenance and exceptional durability.

The **TM8500** employs Cutter Cartridge® technology instead of individual cutters & spacers which improve unit strength and reliability.

The **TASKMASTER** reduces wood, rags, paper, sewage, sludge, tampons, cardboard, plastic, fabrics and waste items into fine particles, for further processing or disposal.



Contact your local F.R. Mahony Outside Sales Engineer to discuss Franklin Miller grinders for your wastewater application.

Call (781) 982-9300 or visit www.FRMahony.com

Wipes Certified Grinding Capability



Sewerage authorities and wastewater treatment facilities are challenged by the increasing use of flushable wipes. Unlike toilet paper, wet wipes fail to disintegrate. These wipes clog pumps and pipes worldwide – a problem without a solution – until now.

TASKMASTER® grinders with *Cutter Cartridge* technology have the unsurpassed ability to reduce difficult wipes to fine bits to alleviate clogs. These cutters have sharp, shark-like teeth that effectively rip through single or multiple clumped wipes and reduce them into small bits.

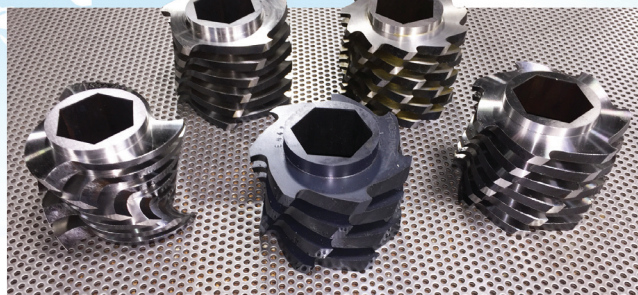
With rugged construction, precise alignment and optimized profile design, these cutters deliver superior performance on wipes and other stringy materials from day one and over the long run.



Above: TASKMASTER grinders with *Cutter Cartridge* technology reduce wipes to fine particles.

Cutter Configurations

Only with *Cutter Cartridge* technology, can you choose finer cutters without sacrificing overall strength or increasing individual parts. Available profiles include: 3 Tooth (fishhook), 5 Tooth, 7 Tooth, 11 Tooth, and 17 Tooth.



The Problem with Other Brands



Removing individual cutters and spacers from a competitors' grinder, with a heavily scored shaft and collapsed cutter stack, is a very tough job. This doesn't occur with *Cutter Cartridge* technology.

***If it's Not A TASKMASTER...
It's Not A True Cutter Cartridge!***