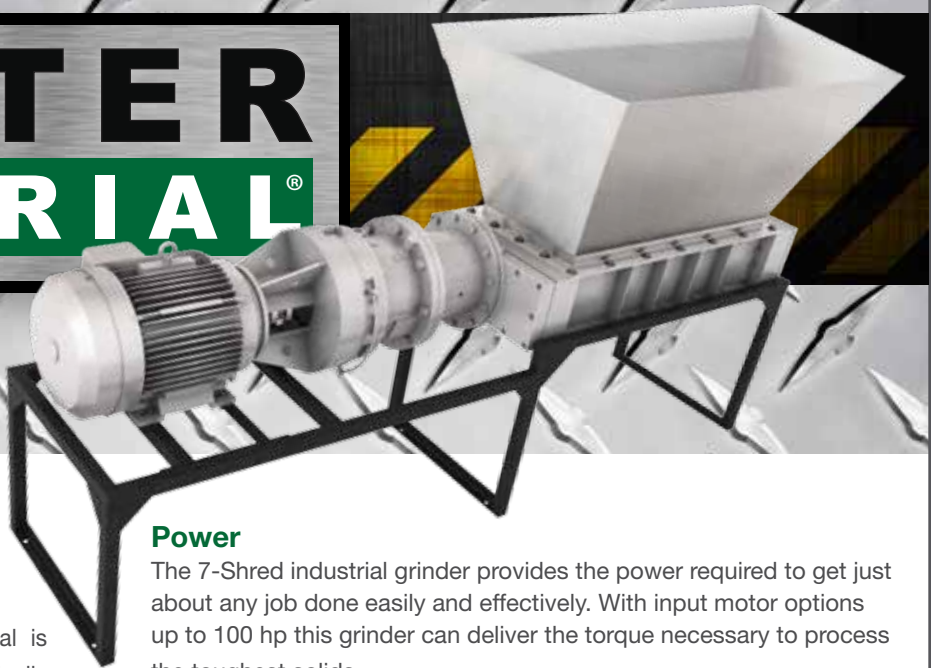


MONSTER INDUSTRIAL®



7-SHRED Industrial Dry Grinder

The 7-Shred Industrial grinder from JWC Environmental is ideally suited for difficult grinding jobs. It has been specifically designed for critical size reduction applications in a wide variety of industries. Its robust 2-shafted shredding system delivers slow speed and high torque to precondition, shred, or delump a wide range of materials.

The 7-Shred Industrial grinder has been proven in numerous applications including shredding for recycling, preconditioning of organics for waste-to-energy operations, hazardous waste disposal, seafood processing, and destruction of off specification or contraband products, just to name a few. The grinder is specifically designed for applications that do not require additional spray or wash water.

Power

The 7-Shred industrial grinder provides the power required to get just about any job done easily and effectively. With input motor options up to 100 hp this grinder can deliver the torque necessary to process the toughest solids.

Versatility

The 7-Shred grinder gives you the options required to efficiently integrate into your process. If the requirement is for grinding hard solids needing maximum torque or maximizing throughput on softer materials the grinder can be built to suit. The optimal combination of motors and gear reducer can deliver 20-60 rpm with optimal torque. Additionally JWC offers multiple cutter combinations to match the material being processed as well as the desired size of finished cuttings.

Durability

The 7-Shred grinder is ideally designed for critical processing applications. It is built for extreme environments and designed to handle the toughest solids. Cast steel bolted frames, hardened steel cutters and heavy duty motors provide reliable operation. Advanced control systems offer precise performance information and anti-jamming, auto reversing protection.



7-SHRED Industrial Dry Grinder



Features and Benefits

- A. **Cutters** – Hardened alloy steel for grinding the toughest solids
- B. **Dual Shafted Grinder** – Pulls debris into cutter stack
- C. **Hardened Cutter Shafts** – Made rugged for high torque applications
- D. **Floating Scrapers** – Prevents material build up in cutter stack, maximize throughput
- E. **Shaft Bushing Shield** – Helps protect seals and bearings from contamination
- F. **Dry Seal Cartridge** – Industrial shock load design for dry grinding
- G. **Direct Drive** – Robust jaw connections between drive and gearbox for easy maintenance
- H. **Severe Duty Motors** – Designed for use in tough industrial applications
- I. **Feed Hoppers and Stands** – Options to fit many applications

7-SHRED Industrial Dry Grinder

7-SHRED Industrial Dry Grinder Construction

Cutters and Spacers – Hardened alloy steel

Shafts – Hardened hexagonal steel

Grinder Body – Cast ductile iron

Hoppers and Stands – Stainless steel or alloy steel

Motor & Gear Reducer –

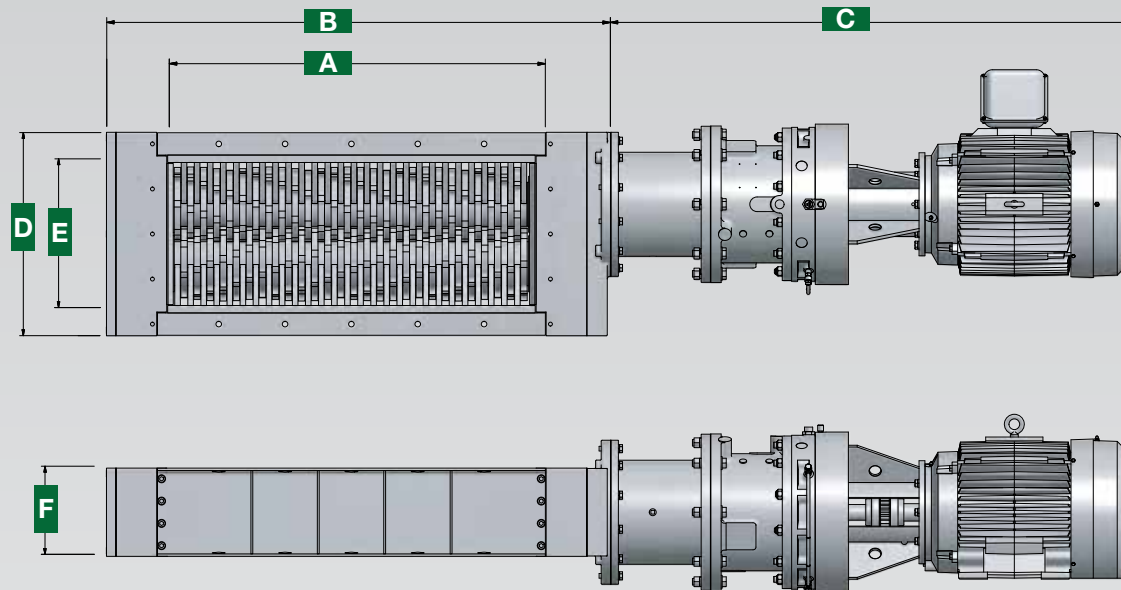
30 hp / 87:1

60 hp / 59:1

100 hp / 29:1

Controls – PLC with Touchscreen Operator Interface, NEMA 4X Enclosure

Overload Protection – Anti-jam logic and high current transducer



SHRED-H - Hopper Configuration

Model Hopper	Thru-put* - ft ³ /h (m ³ /hr)	Motor - hp (kW)	Standard Dimensions - inches (mm)						Approximate Net Weight** - lbs (kg)
			A	B	C	D	E	F	
7-SHRED-1-H-3000	891 (25)	30-100 (22-75)	30-3/8 (772)	48-1/2 (1232)	63-5/8 (1617)	27-3/8 (695)	21 (533)	11-7/8 (302)	3965 (1799)
7-SHRED-1-H-4000	1226 (34)	30-100 (22-75)	40-15/16 (1040)	59 (1499)	63-5/8 (1617)	27-3/8 (695)	21 (533)	11-7/8 (302)	4625 (2098)
7-SHRED-1-H-5000	1504 (42)	30-100 (22-75)	49-11/16 (1262)	67-13/16 (1722)	63-5/8 (1617)	27-3/8 (695)	21 (533)	11-7/8 (302)	5115 (2320)

* Maximum theoretical throughput. Actual throughput based on drive selection, cutter geometry and material to be processed.** Weight and length of unit equipped with 30 HP Severe Duty motor

Notes: Consult factory for final analysis of application

Cutter Options




	Description	Characteristics / Possible Uses
	3 Tooth Thickness 1-13/32" (36mm)	Self metering, coarse shredding of large, tough, bulky items, metals, wood
	7 Tooth Thickness 7/8" (22 mm)	Aggressive, general purpose cutter, medium particles
	17 Tooth Thickness 7/8" (22 mm)	Evenly fed, med - fine shredding of small, tough, items such as contraband, food, organic waste

Photo Gallery



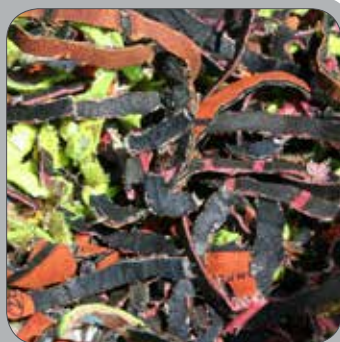
Plastic Bottles



Metal Cans



Balls



Glass



Oranges



Fish Waste



Since its founding in 1973, JWC Environmental has become a world leader in solids reduction and removal for the wastewater industry with its Muffin Monster grinders and Monster Separation Systems for screening, compaction and washing. JWC also solves challenging size reduction and processing problems in commercial and industrial applications through its Monster Industrial division. JWC Environmental is headquartered in Santa Ana, California, and has a global network of representatives, distributors and regional service centers to provide customer support.



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