



JORDAN
REDUCTION SOLUTIONS



Granulators | Shredders | Knife Hogs / Grinders | Turnkey Systems



sales@jrs.com
www.JRS.com
www.jordanreductionsolutions.com
Birmingham, Alabama

Toll Free: 1-888-REDUCIT
1-888-733-8248
Fax: 1-205-849-5075

Granulators

Jordan Reduction Solutions rugged granulators have been designed and constructed using the heaviest duty components available. From our various fabricated base designs to our solid forged rotors, all of Jordan's granulator components are engineered and constructed to meet your most rugged applications with long term reliability.

Designed for high-speed and medium-inertia applications, our open rotor cylinders are available in 3, 5, 10 or 15 blade designs dependent upon machine model and material application.

Granulator Applications:

- Reduction of PET bottles
- Small, medium or rigid plastics
- Organics and light metals
- Reclaim applications

Granulator Sizes:

- Chambers from 10 x 12 inch up to 22 x 60 inch
- Horse power from 10 to 250

Please refer to the specification chart in this brochure for all of the sizes and options available or speak to your Jordan Reduction sales associate for custom and integrated designs.

These units can process a variety of materials in final reduction sizes down to 30 mesh dependent upon the material being processed.

Open rotor granulators come in a variety of feed options from clam shell safety hoppers for hand feeding to open front, high capacity conveyor feed options. We also offer lab style versions with manual feed rolls for additional flexibility in feeding styles. Heavier duty granulators are also offered for more high capacity and tougher production needs.



Shredders

Jordan Reduction Solutions Dual Shaft Shredders are built for rugged, durable long-lasting service. Many of our installations continue to produce and shred 30-40 years after their initial installation date. Originally as Mitts and Merrill, Jordan Reduction Shredders were one of the first dual shaft shredders to be manufactured in the United States. **And all of our equipment is still proudly manufactured in the U.S.A.**

Some applications, due to their nature, demand a rugged dual shaft shredder. Jordan Reduction solutions has a shredder built for your applications. And if we don't, then ask us about our custom integrated solutions to meet your needs.

Dual Shaft Shredder Applications:

- Construction and demolition debris
- Tire shredding
- Product destruction
- Reclaim applications

Dual Shaft Shredder Sizes:

- Chambers from 17 x 14 inch to 60 x 40 inch
- Horse power from 15 to 400

Please refer to the specification chart in this brochure for all of the sizes and options available or speak to your Jordan Reduction sales associate for custom and integrated designs.

With dual speed counter rotating shafts and our unique cushioned drive train system, our shredders can handle the most rugged and adverse shredding conditions, while protecting against jams, shock loads and other unpredictable aspects of material reduction. We also offer several of our units with integral bed screens for more accurate end product production sizes.



Knife Hogs / Grinders

The premier equipment line of **Jordan Reduction Solutions** is our **Hog Mill Grinders**. No other grinder on the market has the versatility of application as do these rugged and dependable units. Several installations of these grinders are still in operation after 50 years from original start up.

Designed for high-speed and high-inertia operation, these grinders can power through materials ranging from organics to uncured rubber with minimal horse power requirements and high production capacities. Rotors are cast in carbon or stainless depending on the application requirements and are a closed rotor design—ideal for reducing large heavy infeed materials down to particle size of 1/8 to 3/8".

Knife Hog Applications:

- Rubber
- Carpet
- Plastic
- Light metals
- Organics
- Composite chemistries
- Process dry or wet materials with fluid slurry rates of up to 150 gallons per minute

Knife Hog Sizes:

- Throat opening from 10 x 11 inch throat opening up to 20 x 54
- Horse power from 50 to 500

Please refer to the specification chart in this brochure for all of the sizes and options available or speak to your Jordan Reduction sales associate for custom and integrated designs.

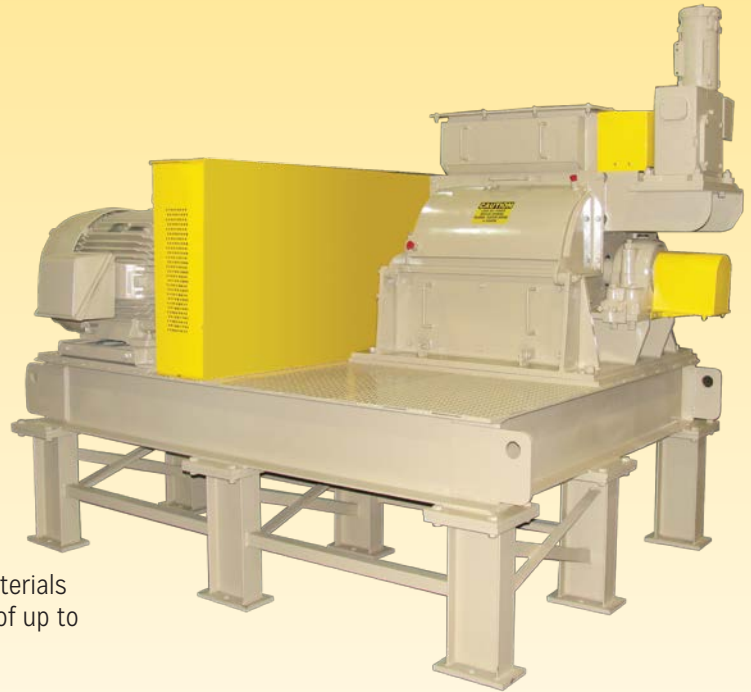
Additionally, Jordan Reduction Solution offers material specific options to further enhance processing. Our rubber bale option features a unique star feed system to meter the bale at the proper rate for discharge while injecting a variety of application specific partitioning agents into the grinding chamber to both aid in grinding and inhibit agglomeration in post-grinding material storage and transfer.

Turnkey Systems

Often, a single piece of equipment just can't get the job done. Jordan Reduction Solutions prides itself on developing and designing customer specific integrations to meet those needs. With our wide range of Shredders, Granulators and Hog Mill Grinders, **Jordan Reduction can customize a system** complete with conveyors, pneumatic separators, magnets, dumpers and many other ancillary equipment options to offer a fully turnkey system rather than just a piece of equipment.

We want to be a part of your material reduction solution, offering you more than just a machine—but an answer to your most demanding application request.

Please refer to the specification chart in this brochure for all of the sizes and options available or speak to your Jordan Reduction sales associate for custom and integrated designs.



All 
**American
Made**



Shredders

Model No.	MS-1714	MS-2817	MS-4220	MS-4526	MS-5028	MS-5040	MS-6040
Overall Length	72	96	141	157	164	213	309
Overall Width	37	42	56	60	75	117	152
Overall Height	69	72	98	117	133	156	156
Knife Thickness	5/8	5/8 or 1 3/16	.9 or 1 3/16	1 1/2	2	2	2
Number of Knives	27	44 or 22	46 or 24	30	24	24	32
Cutting Chamber Size	17x14	28x17	42x20	45x26	50x28	50x40	60x40
Hopper Size (open top)	.5 Cu. Yd.	1 Cu. Yd.	2 Cu. Yd.	3 Cu. Yd.	4 Cu. Yd.	5 Cu. Yd.	6 Cu. Yd.
Cutter Assembly Height	9.5	11.5	13.5	13.75	19	23	23
Motor Horse Power	15	25	50, 60	75, 100	100, 125, 150	200, 400	200, 400
Approx. Chamber Weight	1830	3450	4570	9000	22000	37000	39000

Note: Weights do not include hopper, structural stand or drive.

Tire Shredders - Electric

Model No.	PT-6000	MS-4526	MS-5028	MS-5040
Overall Length	141	157	164	213
Overall Width	56	60	75	117
Overall Height	98	117	133	156
Chamber Size	42x20	45x26	50x28	50x40
Knife Thickness	1 3/16	1 1/2	2	2
Horse Power	60, 75	100	150, 200	400

Capacities (estimated at max HP)

Rough Shred (Passenger Tires/Hr)	250-300	400-500	750-1000	1500-2000
Rough Shred (Truck Tires/Hr)	N/A	N/A	N/A	300-400
2" Nominal Chip (Passenger Tire/Hr)	175-200	200-250	400-500	750-1000
2" Nominal Chip (Truck Tire/Hr)	N/A	N/A	N/A	150-200
1" Nominal Chip from 2" Chip (tons/hr)	.75-1	1.5-2.5	5-7	7.5-10

Note: Capacities shown are contingent upon proper feed and lubrication feed style utilized. Actual field capacities may vary.

Grinders / Knife Hogs

Model No.	BDHS	13CSD	13CSE	14CSE	14CSF	14CSG	14CSH
Overall Height (grinder only)	28	39.5	39.5	44	44	44	44
Overall Width (grinder only)	32	42	42	53	53	53	53
Overall Length (grinder only)	28	50	66	66	75	75	95
Throat Opening	10x11	15x18	15x27	20x27	20x36	20x45	20x54
Discharge Opening	13.5x20.5	22x25	25x31	30x31	30x40	30x49	30x58
Cylinder Diameter	20	26	26	30	30	30	30
Bearing Diameter	2 7/16	2 15/16	3 15/16	3 15/16	3 15/16	3 15/16	3 15/16 - 4 7/16
Number of Rotating Knives	12	12	18	18	24	30	36
Number of Stationary Knives	3	3	3	3	3	3	3
Knife Swing Diameter	20.625	26.625	26.625	30.625	30.625	30.625	30.625
Rotor RPM (max)	1800	1200	1200	1200	1200	1200	1200
Motor HP Options	50,60	100,125	125,150	150,200,250	200,250	200,250	250-400
Water Cooling Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Air Discharge Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rubber Bale Feed Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Main Grinder Weight	2200	4500	5540	10000	12000	19300	23100
Capacity (lbs/hr)	1800	4750	6750	7500	9000	11250	13500

Note: Capacities shown are an average for hardwood applications through a 1" diameter screen. Other capacities vary Above units are bottom discharge units. Rear discharge units are available upon request. Other capacities vary with material.

Granulators

Model No.	G1012	G1420	G1635	G1825	G1840	G2260
Overall Height	72	81	82	84	84	100
Overall Width	32	41	57	68	82	113
Overall Depth	25	36	57	75	78	80
Throat Opening	10x12	14x20	16x35	18x25	18x40	22x60
Rotor Diameter	11	14	14	18	18	22
Rotor Style	Open	Open	Open	Open	Open	Open
Number of Rotor Knives	3	3	3 or 5	10	10	15
Number of Stationary Knives	2	2	4	4	4	6
Length of Rotor Knife	11	14	14	12.3125	19	19.18
Screen Sizes Available	Varied	Varied	Varied	Varied	Varied	Varied
Horse Power Option	10,15	20,25,30	40,50,75,100	100,125	125,150	150,200,250
Flywheel Assist	No	No	No	Yes	Yes	Yes
Castor Mount Option	Yes	Yes	No	No	No	No
Hand Feed Option	Yes	Yes	No	No	No	No
Air Discharge Option	Yes	Yes	Yes	Yes	Yes	Yes

All dimensions shown are in inches.

Parts and Services

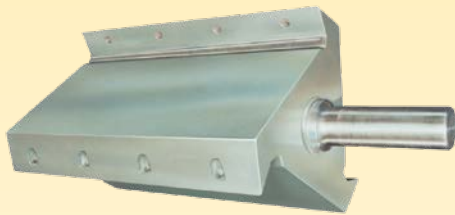
Parts

Jordan Reduction Solutions is the OEM successor to:

- Marathon Reduction Solutions
- Reduction Technology
- Carthage Tire Shredders
- Mitts & Merrill - Shredders, Hogs, & Granulators

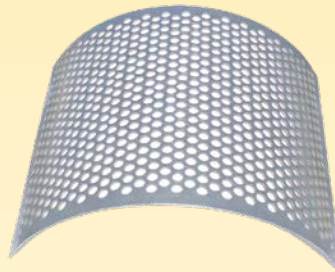
With over \$500,000 in inventory and a complete line of CNC Machine Centers, we can supply your parts quickly - often overnight.

A sample of the parts currently in stock:



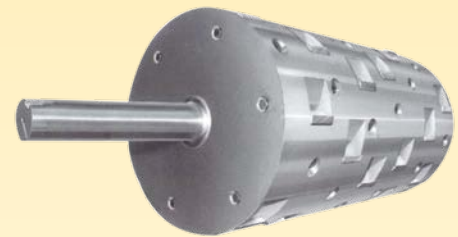
Dual Shaft Shredders

- Bearings
- Spacers
- Seals
- Fingers
- Knives
- Shafts



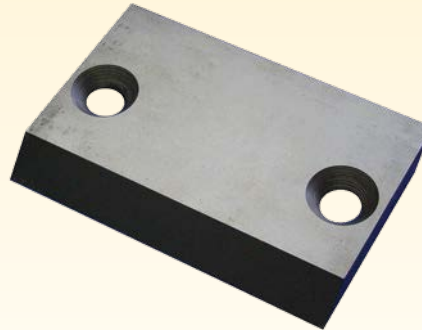
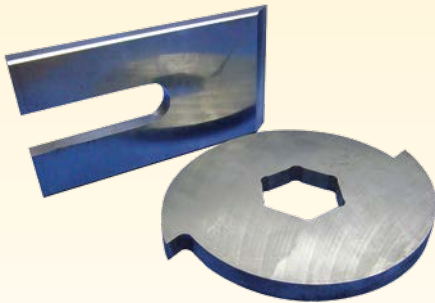
Grinders / Knife Hogs

- Knives
- Knife Blocks
- Bed Knives
- Screens



Granulators

- Knives
- Bed Knives
- Screens



Applications

Light to medium size plastic purgings · rejected plastic parts or pieces · security destruction · all sizes and types of paper · pharmaceuticals · medical waste · foam · auto trim · acoustic tiles · processed rubber · glass · fiberglass · rock wool · cardboard · textiles · brake linings · steel and aluminum turnings · periodicals · car tires · truck tires · aluminum cans · cosmetics · wood slabs · carpet and much more.

Services

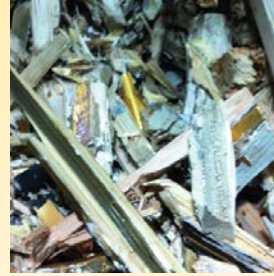
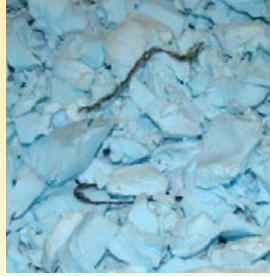
- Special product customizing for tough to solve applications
- Installation design assistance and conceptual studies
- Assured quality, warranty and supplier endorsement programs
- Complete turnkey programs available





Use Jordan's Shredders, Grinders and Granulators in hundreds of applications such as:

- Carpet
- Cartons and Containers
- Cardboard and Paper
- Natural Rubber
- Covered Metals
- Plastic Purgings
- Finished Wood Products
- Unfinished Wood Products
- Rubber Tubing
- Rubber to Crumb
- Rubber to Powder
- Tailings
- Tires
- Vinyl
- Vinyl Granules
- Vinyl Strips
- Organics



Please contact your Jordan Reduction sales associate for more information or to discuss how we can serve you.



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