



"WAY OF CONNECTING RECYCLE"



(A Unit Of Jaydeep Engineering Since 1987)

**JAYDEEP<sup>®</sup>**  
**MACHINERY PVT. LTD.**

Plastic Scrap Grinders, Municipal Waste Grinders & Agglomerator Machines



## About Us

We are a specialist manufacturer of all kinds of plastics scrap grinders and agglomerators. Three-decade experience in world-class grinder manufacturing. Jaydeep Machinery Pvt. Ltd. is one of the largest scrap grinder manufacturer and supplier of India. We believe in quality so our machine design is such a way that you get lower or no maintenance cost with long-lasting life with the support from our qualified team. We are located in Junagadh, Gujarat, India.

Scrap Grinding Machine used to grind & cut rejected articles of plastics to use in the reconstruction process to produce new plastic products like bags, toys, pipes, etc. Our grinders are always developed under highly qualified staff with quality alloy steel body structures and well design wear-resistant alloy steel cutting blades with a long-lasting life.

## Director's message

We are extremely delighted to introduce you to Jaydeep Machinery Pvt. Ltd. Our new unit that previously known as Jaydeep Engineering. Our business is shaped by our core values and strategies. Wherein we strive to uphold the competence and excellence in our work by given equal importance to our diverse talent, client and business eco-system.

We at, Jaydeep Machinery Pvt. Ltd. are focused on addressing the needs of our customers through a sustainable, efficient, reliable and economic solution of a wide range of products. We personally believe that this is one of the best technical enhancement in the industries.

We are committed to our customer satisfaction by identifying their specific needs, translating them into quality products and providing support after sales & service.

### OUR VISION

We would like to see our company as one stop solution for grinding and shredding.

### CORE VALUE

Innovation  
Efficiency  
Reliability  
Honesty  
Loyalty

# PET BOTTLE GRINDER



JM-48" PBG

## Application :

JM - PBG series heavy grinders are designed specially for the recycling material which isn't easy to be grind or grinded like pet bottles. This kind of grinder features great thickness, high strength, good wear resistance, no pollution, long life and we have served about 80% of fibre plants in India with our long-lasting product.

Model	JM - 18" PBG	JM - 21" PBG	JM - 30" PBG	JM - 39" PBG	JM - 48" PBG	JM - 48" PBG	
Power	25 HP	40 HP	60 HP	100 HP	150 HP	150 HP	
Rotor Blade	18" x 5" { 3 Nos. }	21" x 5" { 3 Nos. }	9" x 4" { 12 Nos. }	9" x 4" { 16 Nos. }	9" x 4" { 20 Nos. }	12" x 5" { 16 Nos. }	
Fix Blade	18" x 5" { 2 Nos. }	21" x 5" { 2 Nos. }	19.5" x 4" { 3 Nos. }	9" x 4" { 3 Nos. }	19.5" x 4" { 6 Nos. }	9" x 4" { 3 Nos. }	24" x 5" { 6 Nos. }
Mesh Hole	14 to 16 mm	14 to 16 mm	14 to 16 mm	14 to 16 mm	14 to 16 mm	14 to 16 mm	
Output	200 Kg/hr	300 Kg/hr	500 Kg/hr	1000 Kg/hr	1500 Kg/hr	2000 Kg/hr	

Note : Output depends on mesh size.



# WOVEN BAG ROAD WASTE RAFFIA GRINDER



JM-24" RG

## Application :

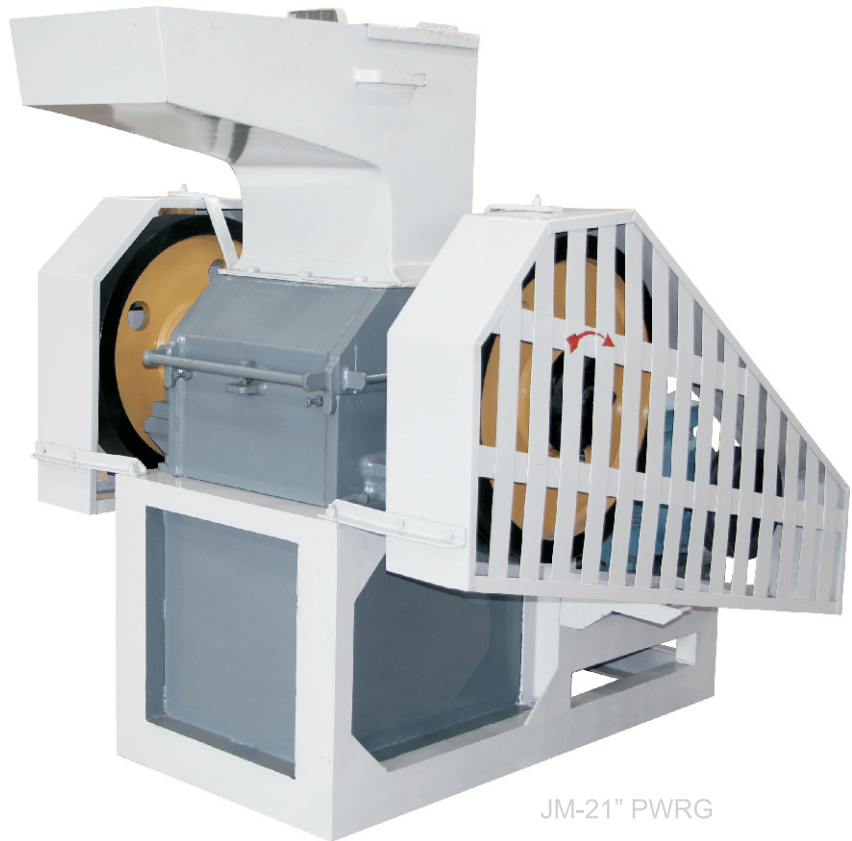
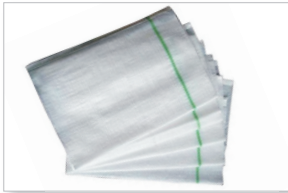
JM - RG series heavy grinders are designed for road waste material like cement bag, powder bag, LD used bags, jumbo bags which are hard to grind in normal machine. This machine provides dual M.S. plates for dust/sand resistance. This type of grinder mainly used by scrap handler to grind above mentioned material.

Model	JM - 18" RG	JM - 21" RG	JM - 24" RG	JM - 30" RG	JM - 36" RG
Power	25 HP	40 HP	50 HP	60 HP	75-100 HP
Rotor Blade	18" x 5" { 3 Nos. }	21" x 5" { 3 Nos. }	12" x 5" { 6 Nos. }	15" x 5" { 6 Nos. }	18" x 5" { 6 Nos. }
Fix Blade	18" x 10" { 2 Nos. }	21" x 10" { 3 Nos. }	12" x 10" { 6 Nos. }	15" x 10" { 6 Nos. }	18" x 10" { 8 Nos. }
Mesh Hole	100 x 150 mm	100 x 150 mm	100 x 150 mm	100 x 150 mm	100 x 150 mm
Output	300 Kg/hr	450 Kg/hr	750 Kg/hr	1000 Kg/hr	1800 Kg/hr

Note : Output depends on material size & mesh size.



# WOVEN SACK FABRIC PLANT WASTE RAFFIA GRINDER



JM-21" PWRG

## Application :

JM - PWRG series heavy grinders are designed for plant waste material like PP woven sack fabric bag, Monofilament waste, new jumbo bags, plant waste ghass, nylon waste, etc. This grinder have high quality structure welding for providing heavy strength.

Model	JM - 15" PWRG	JM - 18" PWRG	JM - 21" PWRG	JM - 24" PWRG
Power	15 HP	25 HP	40 HP	50 HP
Rotor Blade	15" x 5" { 3 Nos. }	18" x 5" { 3 Nos. }	21" x 5" { 3 Nos. }	15" x 5" { 6 Nos. }
Fix Blade	15" x 5" { 2 Nos. }	18" x 5" { 2 Nos. }	21" x 5" { 2 Nos. }	15" x 10" { 6 Nos. }
Mesh Hole	25 mm	25 mm	25 mm	25 mm
Output	150 Kg/hr	225 Kg/hr	350 Kg/hr	550 Kg/hr

**Note :** Output depends on material size & mesh size.

# MUNICIPAL WASTE GRINDER



JM-36" MWG

## Application :

JM - MWG series heavy grinders are specially designed for Municipal wastes like RDF(Refuse derived fuel). RDF is produced from domestic and business waste, which includes biodegradable material as well as plastics. Non-combustible materials such as glass and metals are removed, and the residual material is then grinded or shredded and use to make compost.

Model	JM - 24" MWG	JM - 30" MWG	JM - 36" MWG	JM - 48" MWG
Power	50 HP	60 HP	75 HP	150 HP
Rotor Blade	12" x 5" { 6 Nos. }	15" x 5" { 6 Nos. }	18" x 5" { 6 Nos. }	24" x 5" { 6 Nos. }
Fix Blade	12" x 10" { 6 Nos. }	15" x 10" { 6 Nos. }	18" x 10" { 8 Nos. }	24" x 10" { 8 Nos. }
Mesh Hole	2" x 10" cross	2" x 10" cross	2" x 10" cross	2" x 10" cross
Output	500 Kg/hr	1000 Kg/hr	1800 Kg/hr	2800 Kg/hr

**Note :** Output depends on material size & mesh size.

# PP/ LD/HD/ABS ARTICLE GRINDER



JM-42" AG

## Application :

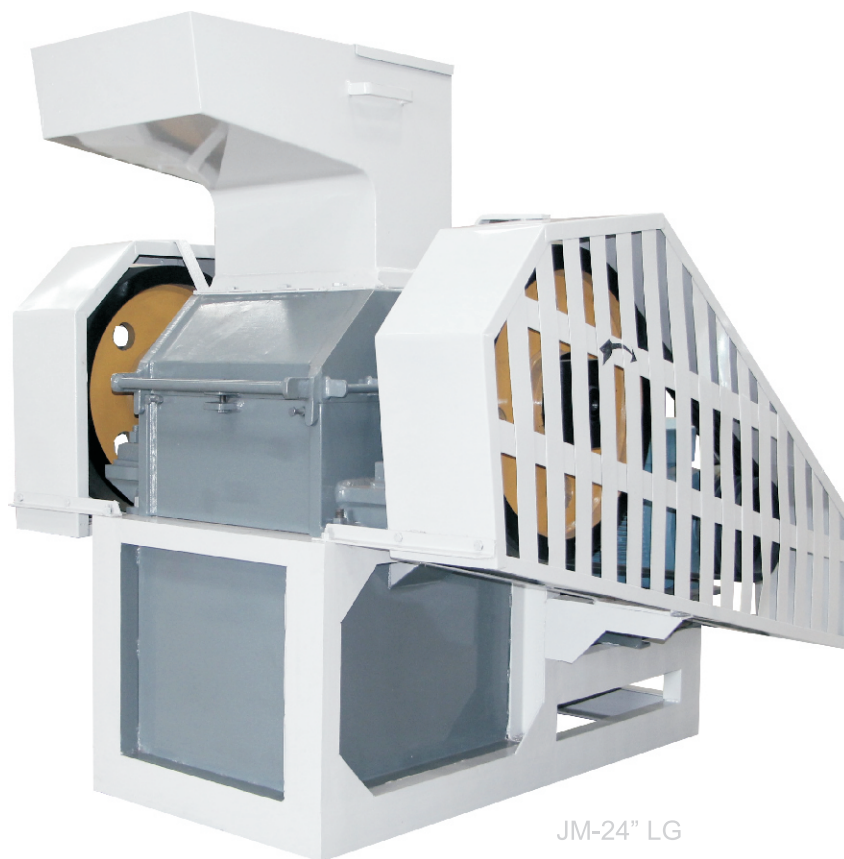
JM - AG series heavy grinders are designed for any type of Article like blow molding parts, injection molding parts, battery box, LD bottles, plastic canes, HD barrels up to 200 ltrs, plastic crates. Wide products don't need to be cut, which spares the recycling process, save energy, reduces labor intensity and costs and improve the efficiency of recycling.

Model	JM - 15" AG	JM - 18" AG	JM - 21" AG	JM - 24" AG	JM - 30" AG	JM - 36" AG	JM - 42" AG
Power	15 HP	25 HP	40 HP	50 HP	60 HP	75 HP	100 HP
Rotor Blade	15" x 5" { 3 Nos. }	18" x 5" { 3 Nos. }	21" x 5" { 3 Nos. }	12" x 5" { 4 Nos. }	15" x 5" { 4 Nos. }	18" x 5" { 4 Nos. }	21" x 5" { 4 Nos. }
Fix Blade	15" x 5" { 2 Nos. }	18" x 5" { 2 Nos. }	21" x 5" { 2 Nos. }	12" x 5" { 6 Nos. }	15" x 5" { 6 Nos. }	18" x 5" { 6 Nos. }	21" x 5" { 6 Nos. }
Mesh Hole	20 mm	20 mm	20 mm	20 mm	20 mm	20 mm	20 mm
Output	150 Kg/hr	250 Kg/hr	350 Kg/hr	450 Kg/hr	600 Kg/hr	900 Kg/hr	1100 Kg/hr

**Note :** Output depends on material size & mesh size.



# PP/ LD/HD/ABS/NYLON LUMPS GRINDER



JM-24" LG

## Application :

JM - LG series heavy grinders are designed for any type of lumps like HD / LD / HD / ABS / PC / PVC / NYLON lumps. This grinder have high quality structure for grinding any types of lumps.

Model	JM - 15" LG	JM - 18" LG	JM - 21" LG	JM - 24" LG
Power	15 HP	25 HP	40 HP	50 HP
Rotor Blade	15" x 4" { 3 Nos. }	18" x 5" { 3 Nos. }	21" x 5" { 3 Nos. }	24" x 5" { 3 Nos. }
Fix Blade	15" x 5" { 2 Nos. }	18" x 5" { 2 Nos. }	21" x 5" { 2 Nos. }	24" x 5" { 2 Nos. }
Mesh Hole	16 mm	16 mm	16 mm	16 mm
Output of PP	800 Kg/hr	1200 Kg/hr	1600 Kg/hr	2000 Kg/hr

**Note :** Output depends on material size & mesh size.

# PVC/CPVC/uPVC/HDPE PIPE GRINDER



JM-24\" PG

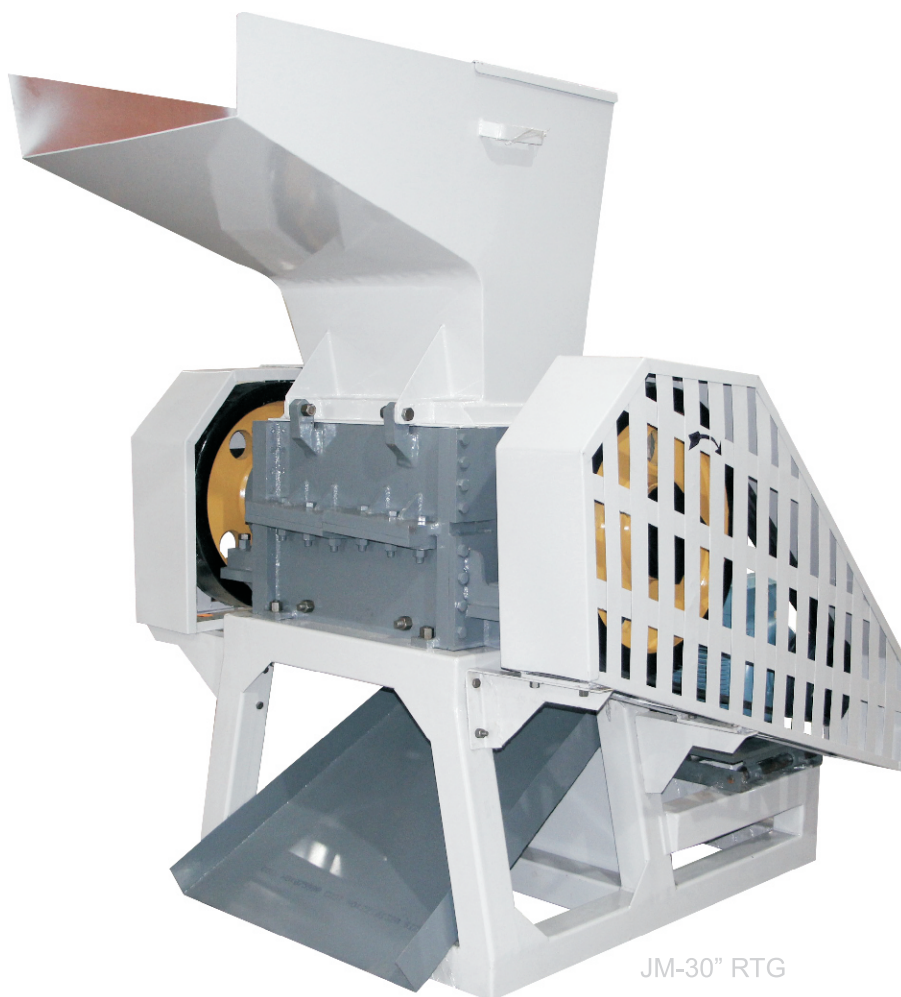
## Application :

JM - PG series heavy grinders are specially designed for pipe. This series grinder inlet is specially designed for plastic pipe. The pipe and grinder rotor from a certain angle to reach the best grinding effect.

Model	JM - 15\" PG	JM - 18\" PG	JM - 21\" PG	JM - 24\" PG	JM - 30\" PG	JM - 36\" PG
Power	15 HP	25 HP	40 HP	50 HP	60 HP	75 HP
Rotor Blade	15\" x 5\" { 2 Nos. }	18\" x 5\" { 2 Nos. }	21\" x 5\" { 2 Nos. }	12\" x 5\" { 4 Nos. }	15\" x 5\" { 4 Nos. }	18\" x 5\" { 4 Nos. }
Fix Blade	15\" x 5\" { 2 Nos. }	18\" x 5\" { 2 Nos. }	21\" x 5\" { 2 Nos. }	12\" x 5\" { 6 Nos. }	15\" x 5\" { 6 Nos. }	18\" x 5\" { 6 Nos. }
Mesh Hole	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm
Output	100 Kg/hr	150 Kg/hr	225 Kg/hr	350 Kg/hr	500 Kg/hr	650 Kg/hr

Note : Output depends on material size & mesh size.

# RUBBER TUBE GRINDER



JM-30" RTG

## Application :

JM - RTG series heavy grinders are specially designed for rubber tube. This machine mainly use in Reclaim plants to grind truck tubes, car tubes or any type of rubber tube for manufacture various types of rubber sheets.

Model	JM - 24" RTG	JM - 30" RTG
Power	50 HP	75 HP
Rotor Blade	12" x 5" { 6 Nos. }	15" x 5" { 6 Nos. }
Fix Blade	12" x 10" { 6 Nos. }	15" x 10" { 6 Nos. }
Mesh Hole	25 mm	25 mm
Output	1500 Kg/hr	2500 Kg/hr

**Note :** Output depends on mesh size.



# AGGLOMERATOR/DENSIFIER

## AGGLO MACHINE



JM-33" AM

### Application :

JE - AM series heavy densifiers are specially designed for any plastic material which supposed to be densify or possible to densify. This machine mainly use to densify material like PP bag, PP/LD films, monofilament waste, Eva foam, thermocol waste, etc.

Model	JM - 28" AM	JM - 33" AM	JM - 42" AM
Power	50 HP	100 HP	150 HP
Rotor Blade	4" x 9" { 4 Nos. }	4" x 9" { 4 Nos. }	4" x 9" { 4 Nos. }
Fix Blade	4" x 12" { 8 Nos. }	4" x 12" { 10 Nos. }	4" x 12" { 12 Nos. }
Output	150 Kg/hr	300 Kg/hr	600 Kg/hr

Note : Output depends on material size & quality.

Quality is never an accident.  
It is always the result of intelligent effort.

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