

DEFINITION OF RECYCLING

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We can provide solution to burning
problems of plastic mixed waste.
(Municipal Garbage)



H.R. ENTERPRISE

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Mfg. of : Plastic Machinery Industrial Knives Blades



About Us

We are engaged in manufacturing of engineering products Blades and Plastic recycling machineries since 1990 in the name of Sangita Engg. Enterprise in a renowned Industrial city Ankleshwar in south Gujarat.

In Order to expand horizon we have formed another arm HR Engineering Enterprise to focus on Industrial blades and wide segment of plastic recycling machinery business.

Quality Policy :

Our dedicated team of HR Enterprise continuously strives hard to provide high quality product and services that value for money for complete customer satisfaction by continuous improvement and innovation.

Contact US

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HR Enterprise Khwaja Chowkadi Ankleshwar

Products at a Glance

Industrial Blades

HR Enterprise offer a wide range of cutting solution for paper, packing plastic and Plastic Recycling Industry. Serving to all industrial Cutting requirements, HR Enterprise has the best suited knives for custom application optimized output. We consistently provide trouble free performance clean cutting and long life.

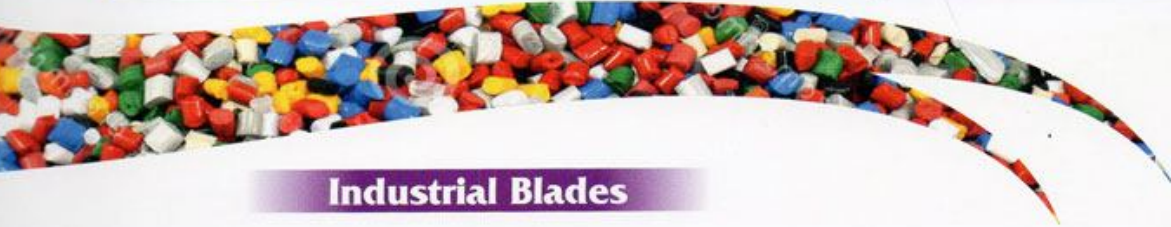
Grinders

Plastic Recycling Machinery

We Offer a Wide Range of Plastic Recycling Machinery as below

1. State of art Size Reduction (GRINDING) Machines us applicationz
We have wide range of size reduction equipments commonly known as Grinders made specially for following applications.
 - A) For Lumps and articles in various size and capacities.
 - B) For hollow article grinder for drums and chairs etc
 - C) For PVC / HDPE pipes
 - D) Hopper Feed / Screw Force Feeder Grinder for PET Bottles which can be used for WET / DRY cutting
 - E) High performance Grinders / Cutters for Fibrous waste (Polyester / Nylon fibre)





Industrial Blades

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Blades for Plastic Recycling

wide range of grinder blades for almost all types of grinders and palletizers selective metallurgy and specialized Heat treatment process to get Shock and wear resistance for various end uses High precision and geometry

Blades for Packaging Industry

Cutting / sealing blades, perforation knives for packaging industry

Pulp and paper Industry

- Chipper knives of all types.
- Paper cutting knives, Flaker knives, Paper Trimming knives, Paper Slitting knives,
- Steel Guillotine & Trimmer knives.

Metal Industry

- Guillotine Shear Blades for Hot & Cold Working.
- Up to 2200 mm long in single segments.
- Made from AISI D3, D2, H13, H21, SR4 and special alloy steels.

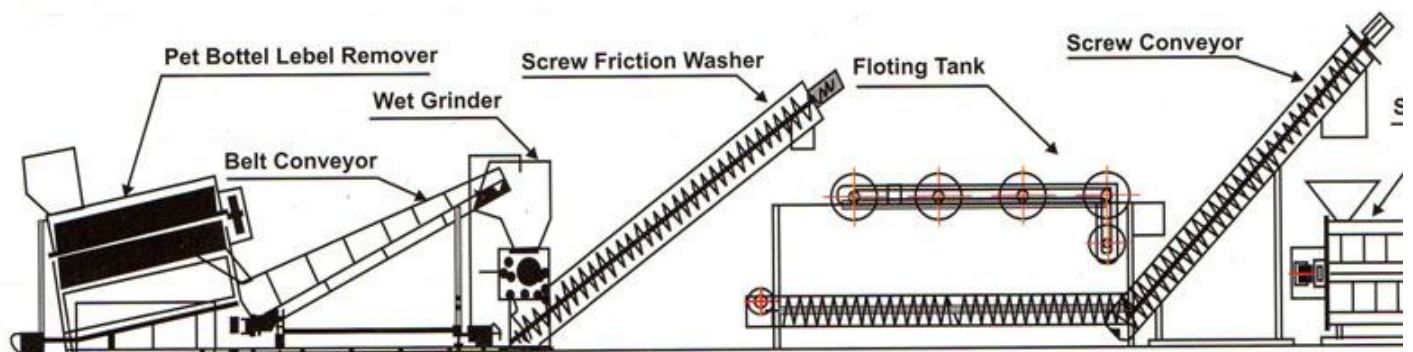
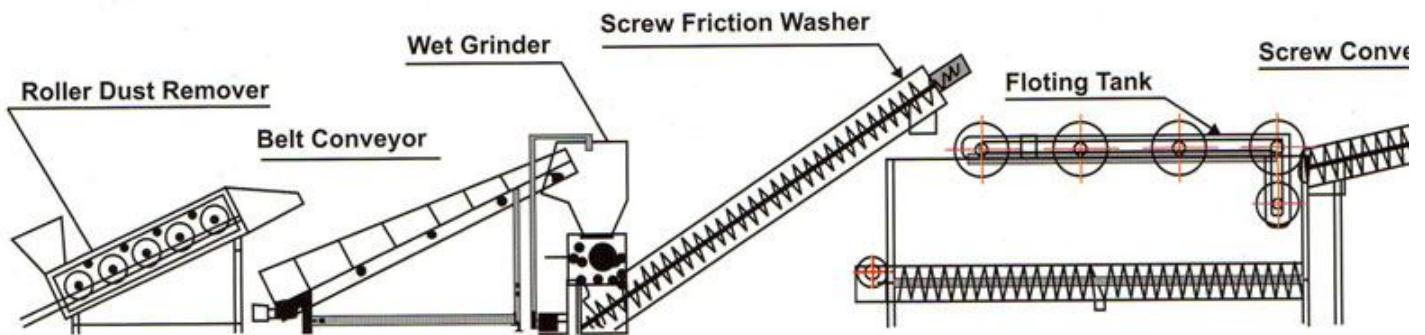


Products at a glance

Film/Raffia/Fibre Washing line:



We provide state of the art high performance wash lines for PP/LD/HD/PS films / Raffia and Polyester fibre washing line in 250 & 500 kg/hr. capacity.

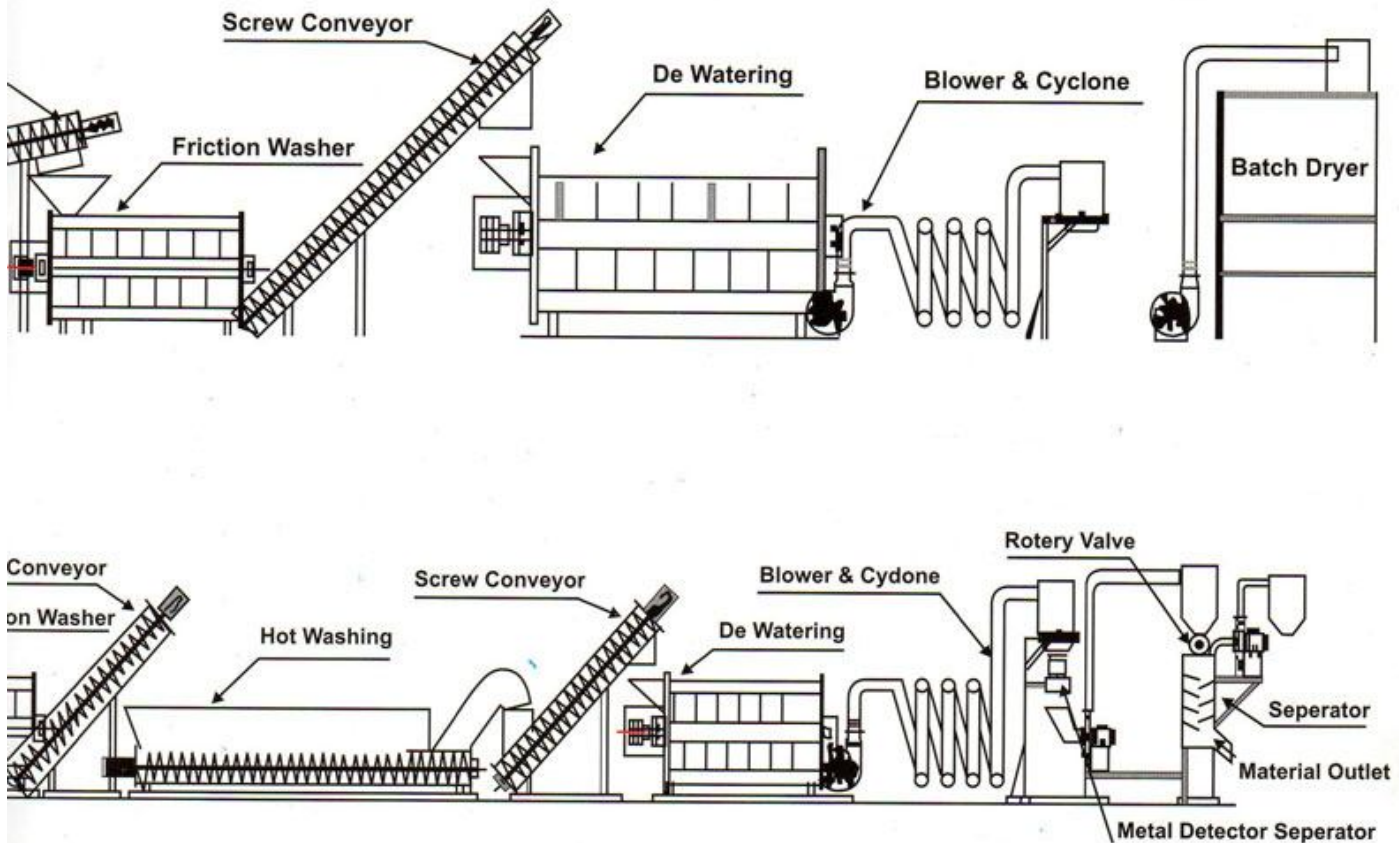




PET Bottle recycling/Washing Line and equipments:

We provide state of the art world class PET Bottle washing lines in 500 & 1000 Kg/hr capacity Best in class heavy duty high performance machines with latest configuration is capable of providing quality that is acceptable in various sector of application like Strapping/Fiber/POY and Bottle grade chips. We understand the need o the customer and we can provide custom deigned PET bottle wash lines as per customer's specific requirements.

We also provide individual equipments Like Bale opener, Screw conveyor Label stripper, Trommel, Bottle washer, Sorting conveyor, Grinders, Friction washers, Spin dryers, sink float tanks, hot wash reactors, hot air dryers, Air classifiers, neck separators etc.





Products at a glance

Densification / Aglow Machines for plastic films and polyester fibre waste

We provide latest design Agglomerators for Plastic films (LD / PP / HM / PS), Raffia (PP/HD), and Polyester fiber waste. Our Agglomerators have precise blade configuration and optimum chamber design to optimize power usage. Our bearing-housing and drive systems are state of art and long lasting.

Advance In-Line extrusion system for soft waste :

Soft waste like film/raffia/Fibre normally requires be densified and then feed to extruder results in low quality and high energy consumption.

Our inline machine solve the problem by attaching centrifugal force feeding system (which is choke free system compared to conventional screw force feeds to extruders) Special extruder profile with double vacuum vent and mixing zones provide a high quality product.



Services

Industrial Blades

Re-Sharpening service for full hardened blades provided at reasonable rates.
Reconstruction of MS blades with hard face surface. (We use high quality hard facing rods.)

Recycling Machines

We provide refurbishment services for Wearing out or damaged Recycling machines.

1. All type of grinders
2. All type of Densifiers
3. PET Bottle / Film Washing line equipments like :



(Bale opener, Screw conveyors, Label stripper, Trommel, Centrifuge Bottle washer, Conveyor belts, Screw conveyors, Friction Washer, Hot wash Reactor, Sink Float Tank, Hot Air dryer, Air Classifier)



Fibre Cutter (FC-Series)

Heavy duty welded/machined steel construction
 Highly specialized design
 Hopper feed system for fibrous waste
 Wrap-free chamber and rotor design
 Suitable for precutting before agglomeration

Model	Rotor Dia	Rotor Rows/Blades	Fix Bed Rows/Blades	Chamber Size	Output Kg/Hr	Power HP
FC-18/18	320 x 450	3/3	2/2	450 x 450	75-100	25
FC-24/24	420	5/5	2/2	600 x 600	150-200	40
FC-30/30	520	5/5	2/2	750 x 750	250-300	60



PET Bottle Grinders

Hopper Feed Grinder (HBG-Series)

Heavy duty welded / machined steel construction
 Cross cut body design maximized rotor dia and output for same chamber size compared to horizontal cut body grinders. It also provides easy access in side chamber for ease of blade change and maintenance.

Outboard mounted plummer - block heavy duty spherical roller bearings with K-type sleeve to prevent contaminations entering the bearings, and K-sleeve makes it is to remove bearings for easy maintenance. Special design hopper attached to grinding chamber for enhanced cutting efficiency. Rotor and bed knives are adjusted from outside of the granulator in the Precise Fixture / Jig. Constant cutting circle due to adjustable knives.

Model	Rotor Dia x Length	Rotor Rows/Blades	Fix Bed Rows/Blades	Chamber Size	Output Kg/Hr	Power HP
HBG-24/24	420 x 600	3/3	2/2	600 x 600	250-300	40
HBG-24/48	420 x 1000	3/3	2/2	600 x 1000	400-450	60
HBG-30/30	520 x 750	5/5	2/2	750 x 750	450-500	60
HBG-30/60	520 x 1500	5/5	2/2	750 x 1500	650-750	90
HBG-40/40	620 x 1000	5/5	2/2	750 x 1000	650-750	120
HBG-40/60	620 x 1500	5/5	2/2	750 x 1500	1000-1200	150



Blades



Grinder Jali



Scraper Blades



Carbide Tips



Mixer



Densifier



Grinder



Blade Sharpening M/c



Extrusion Line

SPECIALIST IN BLADES

Mfg. of : Plastic Machinery Industrial Knives Blades

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