DEFINITION OF RECYCLING

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

Plastic Must Recycle
Dust Remover
With Cutting System

Roller Dust Remover

SPECIFICATION
• It’s a Newly Developed Machine.
• Separate Dust From Dirty Waste
With Cutting System

Dust Remover
With Cutting System

SPECIFICATION
• Dirty Film Waste Cleaning with newly
Develop 5 Roller with Cutting System
• Dust Particle Separate From Below Screen.

Optional
Conveyor Belt

Pressure Washing Machine

SPECIFICATION
• It’s separate Dirty water from plastic waste
• Washed material quality is next to virgin
• Ele.Power, labour & Space Saver Machine

Pressure Washing Machine

Before Wash

After Wash

<table>
<thead>
<tr>
<th>Model</th>
<th>H.P.</th>
<th>Water Pump (H.P.)</th>
<th>Kgs/hr Inj./Blow/Mold.</th>
<th>Kgs/hr Film</th>
</tr>
</thead>
<tbody>
<tr>
<td>PW-30</td>
<td>30</td>
<td>1.5</td>
<td>200 to 300</td>
<td>100 to 125</td>
</tr>
<tr>
<td>PW-60</td>
<td>60</td>
<td>2</td>
<td>400 to 500</td>
<td>200 to 300</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System
Grinder/Granulator

SPECIFICATION

- Heavy Duty Grinder
- Made From M. S. Material
- Suitable for injection / blow moulding Articles, Films, PVC/HDPE pipe, PET bottle, Jerrican. PVC profile, Hips Sheet, Bucket Scrap etc.

Option: Wet Grinder Also Available

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Power H.P.</th>
<th>Throat Size</th>
<th>No. of Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0300</td>
<td>7.5</td>
<td>300 X 300 mm</td>
<td>5</td>
</tr>
<tr>
<td>0450</td>
<td>15</td>
<td>450 X 450 mm</td>
<td>5</td>
</tr>
<tr>
<td>0600</td>
<td>25</td>
<td>600 X 600 mm</td>
<td>5</td>
</tr>
<tr>
<td>0750</td>
<td>50</td>
<td>750 X 750 mm</td>
<td>5</td>
</tr>
<tr>
<td>0900</td>
<td>60</td>
<td>900 X 900 mm</td>
<td>5</td>
</tr>
<tr>
<td>1200</td>
<td>100</td>
<td>1200 X 1200 mm</td>
<td>5</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System

Heavy Lumps Grinder/Granulator

SPECIFICATION

- Special Blades & Rotor design for Heavy Lumps to Small grinded materials in a one step.

<table>
<thead>
<tr>
<th>Model</th>
<th>Power H.P.</th>
<th>Working Size</th>
<th>Production kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-21*</td>
<td>40</td>
<td>520 mm</td>
<td>200 to 300</td>
</tr>
<tr>
<td>S-30*</td>
<td>60</td>
<td>805 mm</td>
<td>300 to 500</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System
Force Pusher Technology Extruder Without Agglomerator & Without Grinder For Film Waste Directly Feeding.

NEW

**Specification:**

- Most Advantage of This Machine is No Need to Crush or Densifire (Agglo) for Film Waste for Feeding Material In Extruder Inlet.
- There is Special Force Pusher Technology for Feeding Material in Extruder.
- It's Energy (Ele. Power) & Man Power Saving.
- Material is not Heating Double Time (Like as Agglo & Extruder.)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FP 130 X 100</td>
<td>50</td>
<td>15</td>
<td>100</td>
<td>150 to 175</td>
</tr>
<tr>
<td>FP 160 X 130</td>
<td>75</td>
<td>25</td>
<td>150</td>
<td>250 to 275</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System*
Problems.....?

- Drying Problem in Monsoon...?
- Dust is Deposited on the Washed Material...?
- It needs lots of space for drying...?
- Around 6 Persons are required for handling the waste of nearly 3 MT...?
- Around 5% of Material is lost due to manual handling...?

Benifits:

- Only One Person Instead of 5 labour
- 3' x 6' Space & Mini.3 MT/day Drying
- Space Saving & Easy to Operate
- Drying Possible day/night and very helpful in a Monsoon season.
- Water Separate with Squeezing System
- Material is Semi melt through one Heater & You can get densifier Materials (No need agglo after Drying Material)

Here is the Solution...

Suitable for PE Film (Grinded material)
Moisture 2% to 3% Only.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Main Motor H.P.</th>
<th>Out put Kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD-40</td>
<td>40</td>
<td>100 to 125</td>
</tr>
<tr>
<td>SD-60</td>
<td>60</td>
<td>150 to 225</td>
</tr>
<tr>
<td>SD-90</td>
<td>90</td>
<td>250 to 400</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System

Hot Melt EPS Compactor

It's 85% to 90%
Compact Material

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Main Motor H.P.</th>
<th>Crushes HP</th>
<th>Heater KW</th>
<th>Out put Kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMEPS-20</td>
<td>20</td>
<td>5</td>
<td>6</td>
<td>100 to 125</td>
</tr>
<tr>
<td>HMEPS-40</td>
<td>40</td>
<td>7.5</td>
<td>10</td>
<td>200 to 250</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System
Agglomerator (Densifier)

SPECIFICATION
- Agglomerator for recycling
- New type of agglo which Separate Dust from Waste (Rafia Model Only)
- Run with only 4 Blades
- Once Grinded Blade can be used twice
- Foundation is not Necessary
- 100% Guarantee of HD/PP Rafia Model
- 70 to 80 Kgs/hr-024 Model
- Maintenance Free

018 Zero Wastage Model 10 to 12.5 HP
For HM, D-Cut Zabhala, LD Foam, Film & PP Film

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Ele.Motor HP</th>
<th>Capacity Kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>LD</td>
</tr>
<tr>
<td>018</td>
<td>10</td>
<td>40</td>
</tr>
<tr>
<td>024</td>
<td>25</td>
<td>100</td>
</tr>
<tr>
<td>030</td>
<td>50</td>
<td>200</td>
</tr>
<tr>
<td>036</td>
<td>75</td>
<td>280</td>
</tr>
<tr>
<td>042</td>
<td>100</td>
<td>400</td>
</tr>
<tr>
<td>045</td>
<td>120</td>
<td>500</td>
</tr>
<tr>
<td>048</td>
<td>180</td>
<td>800</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System

Agglomerated Materials

Pulveriser

Suitable for LD/LLD/HD/PVC Material

Application
- Rotational Moulding.
- Polyethylene Coatings.
- R.PVC Pipe Scrap Pulverizing.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>H.P.</th>
<th>Disc Dia</th>
<th>Out put HD/LD 10 MESH</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVR-0300</td>
<td>20</td>
<td>300 mm</td>
<td>60 to 70 kgs/hr</td>
</tr>
<tr>
<td>PVR-0450</td>
<td>30</td>
<td>450 mm</td>
<td>100 to 120 kgs/hr</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System
In Line
Grind-O-Wash - Dry & Densifier

1. Grinder
2. Friction Washer
3. Squeezer
4. Heater
5. Cutter

All In One

NEW

Before Wash
After Wash
Dry & Densifier

Note: Squeezer is individual operate in some material

<table>
<thead>
<tr>
<th>Model</th>
<th>H.P.</th>
<th>Washing screw HP</th>
<th>Squiz HP</th>
<th>Product Kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>GWSD-24</td>
<td>30</td>
<td>15</td>
<td>60</td>
<td>150 to 200</td>
</tr>
<tr>
<td>GWSD-32</td>
<td>40</td>
<td>30</td>
<td>90</td>
<td>200 to 300</td>
</tr>
<tr>
<td>GWSD-40</td>
<td>60</td>
<td>40</td>
<td>125</td>
<td>300 to 400</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System

SPECIFICATION
- Inline Wet Grinder, Washer, Dryer & Densifier Material (No need agglo after drying)
- Very Economical way to Grind with water, screw washing & Squeezing Drying system
- Space & Power Savings System
IN LINE GRINDING - WASHING - DRYING

(FILM & FLEX/INJECTION/BLOW ARTICLES)

IN LINE GRINDING - WASHING - DRYING

(PET BOTTLE)
Inline Grinding - Washing - Drying System

SPECIFICATION

- Inline Grinding, Washing & Drying System is Developed to clean PE/PP bottle/Film Waste /Packaging Material / Agriculture Film waste / Injection Blow Item for Super Quality Washing

Before Wash → After Wash

Edge Trim Recycling Mini Extruder

It's Easy to Recycle Edge Trim Online System

Edge Trim Cutter
Dewatering Machine

**SPECIFICATION**
- Suitable for all type of Grinded Plastic Film & Article (Moulded)
- Result 90% to 95% Dry

<table>
<thead>
<tr>
<th>Model</th>
<th>H.P.</th>
<th>BLOWER H.P.</th>
<th>Kgs/hr (flex) Inj./blow/mold.</th>
<th>Kgs/hr Film</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW 20</td>
<td>25</td>
<td>5</td>
<td>150 to 200</td>
<td>100 to 125</td>
</tr>
<tr>
<td>DW 40</td>
<td>40</td>
<td>7.5</td>
<td>350 to 400</td>
<td>200 to 250</td>
</tr>
<tr>
<td>DW 60</td>
<td>60</td>
<td>10</td>
<td>500 to 600</td>
<td>300 to 400</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System

PET Bottle Label Remover Machine

**SPECIFICATION**
- All Parts Mild Steel (M.S.)
- It’s Continuous process
- Pressed Bottle label Remover
  Result less then Unpressed Bottle.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Model H.P.</th>
<th>Water Pump HP</th>
<th>Capacity Kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLR-15</td>
<td>15</td>
<td>2+2</td>
<td>200 to 250</td>
</tr>
<tr>
<td>PLR-25</td>
<td>25</td>
<td>2+2</td>
<td>400 to 450</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System
Recycling Extruder With Pelletizer Line

- Suitable for LD/HD/HM/PP
- Agglomerated & Grounded
- Material of Articles

<table>
<thead>
<tr>
<th>Model</th>
<th>HP</th>
<th>Total HP</th>
<th>Out put kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>25</td>
<td>50</td>
<td>90 to 100</td>
</tr>
<tr>
<td>100</td>
<td>40</td>
<td>70</td>
<td>125 to 140</td>
</tr>
<tr>
<td>120</td>
<td>60</td>
<td>100</td>
<td>180 to 200</td>
</tr>
</tbody>
</table>

Optional: Hopper Screw Feeder

Optional: Vanted Screw & Barrel

Granules

Recycling Extruder With Die Face Cutter Water Ring Type

- Suitable for LD/HD/HM/PP
- Agglomerated & Grounded
- Material of Articles
- S.S. Contact Parts Optional

<table>
<thead>
<tr>
<th>Model</th>
<th>HP</th>
<th>Total HP</th>
<th>Out put kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>25</td>
<td>65</td>
<td>90 to 100</td>
</tr>
<tr>
<td>100</td>
<td>40</td>
<td>85</td>
<td>125 to 140</td>
</tr>
<tr>
<td>120</td>
<td>60</td>
<td>115</td>
<td>180 to 200</td>
</tr>
<tr>
<td>140</td>
<td>90</td>
<td>170</td>
<td>350 to 400</td>
</tr>
</tbody>
</table>

Production Depend on Materials

*Specification can be changed without any prior Notice
In Line Recycling Plant With Die Face Cutter Water Ring Type

Suitable for LD/HD/HM Film and HD Woven Sacks Plant Waste Only

Two Stage Recycling & Pelletizer line
(Mother & Baby extruder)

SPECIFICATION
- This Production Line is Composed by two extrudes.
- Perfect wanted with two stage recycling for solidity of the pellet.
- This two stage recycling machine is more suitable for moisture/gas removing in dirty and printed waste material.
- Two stage filter system with hydraulic screen changer is optional.
- Low power consumption.

<table>
<thead>
<tr>
<th>In Line Model</th>
<th>HP Extruder</th>
<th>HP Shredder</th>
<th>TOTAL HP</th>
<th>Out put kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 X 024</td>
<td>25</td>
<td>25</td>
<td>80</td>
<td>75 to 90</td>
</tr>
<tr>
<td>100 X 030</td>
<td>50</td>
<td>50</td>
<td>150</td>
<td>125 to 150</td>
</tr>
<tr>
<td>125 X 036</td>
<td>75</td>
<td>60</td>
<td>200</td>
<td>200 to 250</td>
</tr>
</tbody>
</table>

*Specification can be change without any prior Notice

--

<table>
<thead>
<tr>
<th>Model</th>
<th>Screw</th>
<th>Out put kgs/hr</th>
<th>Main Motor</th>
<th>Total Connected load</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTSR 90-100</td>
<td>90-100</td>
<td>90-100</td>
<td>18-22</td>
<td>65</td>
</tr>
<tr>
<td>DTSR 100-120</td>
<td>100-120</td>
<td>110-140</td>
<td>22-30</td>
<td>80</td>
</tr>
</tbody>
</table>

*Specification can be change without any prior Notice
**Simple Mixture**

- Simple Mixture with Frictional Heat
  - Option: Timer & Heating Zone

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Main Motor</th>
<th>Capacity Kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM15</td>
<td>15/20</td>
<td>125 to 160</td>
</tr>
<tr>
<td>SM25</td>
<td>25/30</td>
<td>250 to 350</td>
</tr>
<tr>
<td>SM50</td>
<td>50/60</td>
<td>400 to 500</td>
</tr>
</tbody>
</table>

*Capacity Depend on Material & Feeding System

**Vertical Spiral Mixture**

- Suitable for Mixing Master Batch and Colour with Granules

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Electric Motor</th>
<th>Batch Capacity</th>
<th>Vessel Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSM 200</td>
<td>2 H.P.</td>
<td>200 Kg/batch</td>
<td>300 Kg.</td>
</tr>
<tr>
<td>VSM 300</td>
<td>2 H.P.</td>
<td>300 Kg/batch</td>
<td>400 Kg.</td>
</tr>
<tr>
<td>VSM 500</td>
<td>3 H.P.</td>
<td>500 Kg/batch</td>
<td>700 Kg.</td>
</tr>
<tr>
<td>VSM 1000</td>
<td>5 H.P.</td>
<td>1000 Kg/batch</td>
<td>1300 Kg.</td>
</tr>
</tbody>
</table>

Normal Mixing time 15 to 20 minutes (after feeding material).
**Without Agglo Recycling Plant**

With Die Face Cutter Water Ring Type

---

**SPECIFICATION**

Direct Hopper Force Feeding Grinded Film Waste From Grinder (Without Agglo) Material Heating only one time then Quality of Material is Better.

---

<table>
<thead>
<tr>
<th>Model</th>
<th>HP Extruder</th>
<th>HP Shredder</th>
<th>Blow</th>
<th>TOTAL HP</th>
<th>Out put kgs/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>DDRP-90</td>
<td>25</td>
<td>15</td>
<td>5</td>
<td>70</td>
<td>80 to 100</td>
</tr>
<tr>
<td>DDRP-100</td>
<td>40</td>
<td>25</td>
<td>5</td>
<td>115</td>
<td>125 to 150</td>
</tr>
</tbody>
</table>

*Specification can be change without any prior Notice*

---

**Without Agglo Recycling Plant with Side Feeder Die Face Cutter Machine**

---

**SPECIFICATION**

- Side Feeder Screw for Feed material in Main Dual Die Screw.
- Without Agglomerator Material Feed in Screw means No property loss of Material
- Save Agglo Machine power / labour & its Maintenance through this Machine.

---

Model | H.P. | Side Feeder H.P. | Total Connected Load H.P. | Production Output Kgs/hr |
------|------|-----------------|--------------------------|--------------------------|
SF 100x70 | 30   | 3               | 65                        | 70 to 80 Kgs/hr          |
SF 130x100 | 50   | 5               | 90                        | 125 to 150 Kgs/hr        |

*Capacity Depend on Material & Feeding System*
Our Products Range for Recycling

- Roller Dust Remover
- Dust Remover With Cutting system
- Simple Grinder & Wet Grinder
- Pressure Wash Machine
- Online Grinding Washing Drying Machine
- Dewatering Machine
- Pet Bottle Label Remover Machine
- Agglomerator
- Simple Mixture
- Vertical Spiral Mixture
- Tumbler Mixture
- Hopper Screw Feeder
- Recycling Extruder With Pelletiser
- Inline Recycling With Daiface Cutter
- Without Agglo Recycling Plant
- Edge Trim Recycling Machine (Mini Extruder Air Daiface Cutter)
- Bailling Machine (Compactor Machine)
- Pulveriser
- Plastic & Pulp Separator Machine
- Vibrator Screen
- Batch Dryer for Articles
- Rotery Pelletiser
- Compactor Machine
- Without Agglo Recycling Plant with Side Feeder Die Face Cutter Machine
- Two Stage (Mother & Baby) Extruder
- Grind-o-Wash Dry & Densifier Machine
- Squeezing Cum Densifier Machine
- Big Lumps Granulator
- Mechanical Purifier
- Floating Tank
- Friction Washer
- Blade Sharpener
- Lumps Cutter Table
- Hot Melt EPS Compactor
- Storage Cyclo With Screw Conveyor