

WASTE SOLUTION

EPS FOAM RECYCLING

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FOAM COMPACTOR FOR COMPRESSING.

2

FOAM DENSIFIER ZEUS FOR COMPACTING.

3

FOAM HYDRAULIC COMPACTOR HERACLES.

4

FOAM DENSIFIER MAR SERIES FOR MELTING.

5

PET BOTTLE COMPACTOR FOR DEWATERING.

6

FOAM CRUSHER.

7

FOAM WASHING/GRANULATOR.

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TOTAL RECYCLING SOLUTION FOR EPS FOAM



FOAM COMPACTOR FOR COMPRESSING AND RECYCLING

EPS / Expanded Polystyrene



XPS / Extruded Polystyrene



PSP / Polystyrene Paper: Food tray and Cups



MACHINE AVAILABLE

CAPACITY KG/HR	COMPACTED RATIO	DENSITY KG/M3	TOTAL POWER KW
100	50:1	200-400	10.25
200	50:1	200-400	19.5
300	50:1	200-400	25.5



FOAM DENSIFIER ZEUS FOR COMPACTING AND RECYCLING

EPS / Expanded Polystyrene (Styrofoam)

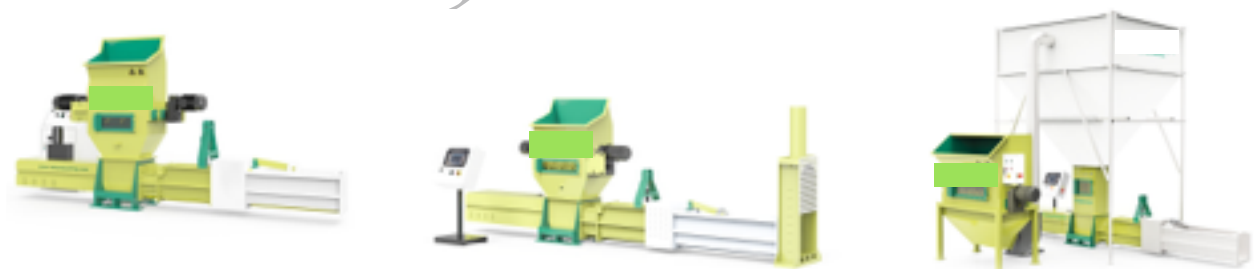


PE FOAM



MACHINE AVAILABLE

CAPACITY KG/HR	COMPACTED RATIO	DENSITY KG/M3	TOTAL POWER KW
100	50:1	200-400	20.5
200	50:1	200-400	38
300	50:1	200-400	46



FOAM HYDRAULIC COMPACTOR HERACLES

Hydraulic Compactor is equipped with a high-efficient automatic hydraulic system, the waste foam can be crushed and then compacted into blocks with a high volume reduction ratio without heating, greatly reducing the volume of waste foam, saving storage and transportation costs.

APPLICABLE MATERIAL

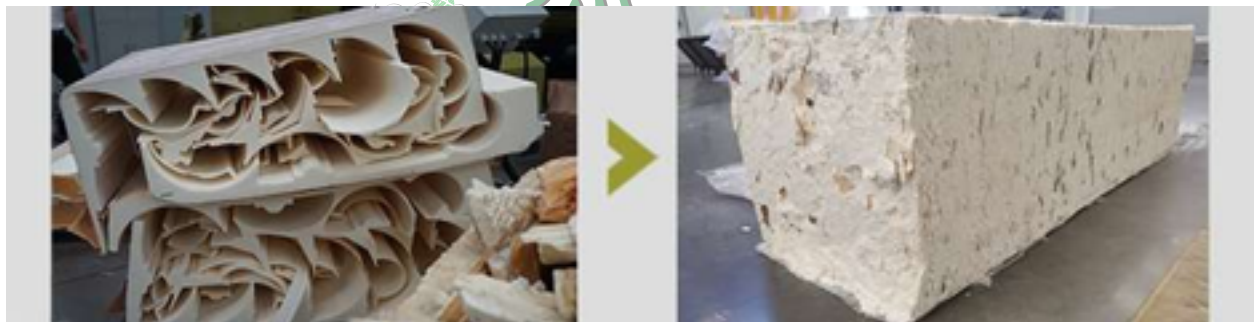
EPS FOAM:



EPS DUST:



PU FOAM:



EPP FOAM:Technical Data



- Type: Foam Hydraulic Compactor
- Total Power Consumption: 24.5kw
- Feeder Power: 11kw
- Production Capacity: 200kg/h-300kg/h

FOAM DENSIFIER MAR SERIES FOR MELTING AND RECYCLING

APPLICABLE MATERIALS:

EPS/EXPANDED POLYSTYRENE (STYROFOAM)



EPS/EXPANDED POLYSTYRENE DUST



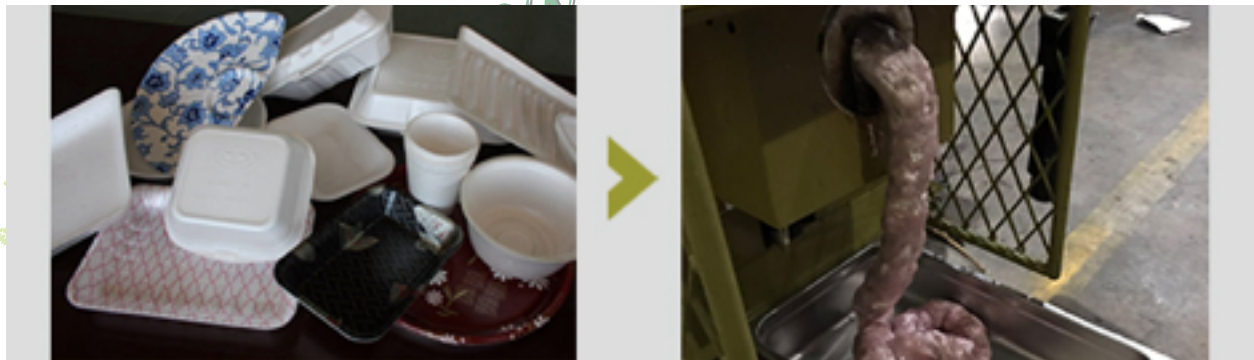
EPE/EXPANDED POLYETHYLENE SHEET/FILM



XPS/EXTRUDED POLYSTYRENE



PSP/POLYSTYRENE PAPER (FOOD TRAY AND CUPS)



EPP/EXPANDED POLYPROPYLENE



MACHINE AVAILABLE

CAPACITY KG/HR	COMPACTED RATIO	DENSITY KG/M3	TOTAL POWER KW
50	90:1	600-800	7.5
100	90:1	600-800	23
200	90:1	600-800	37.5
300	90:1	600-800	38

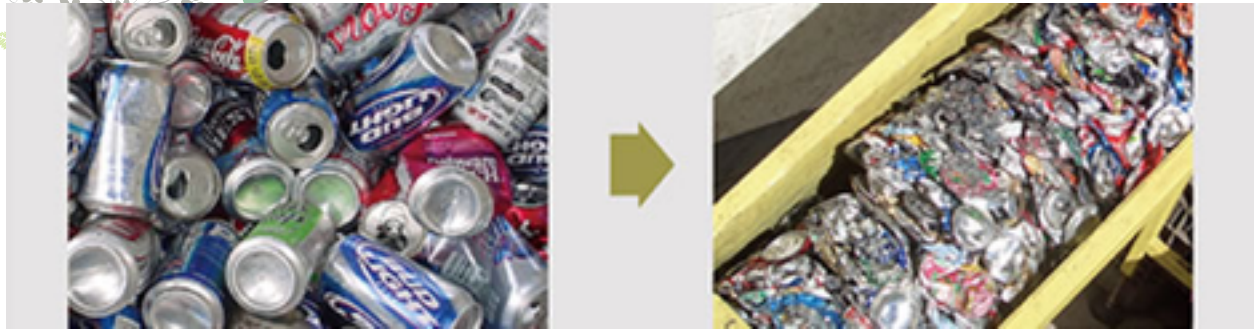


PET BOTTLE COMPACTOR FOR DEWATERING AND RECYCLING BOTTLES

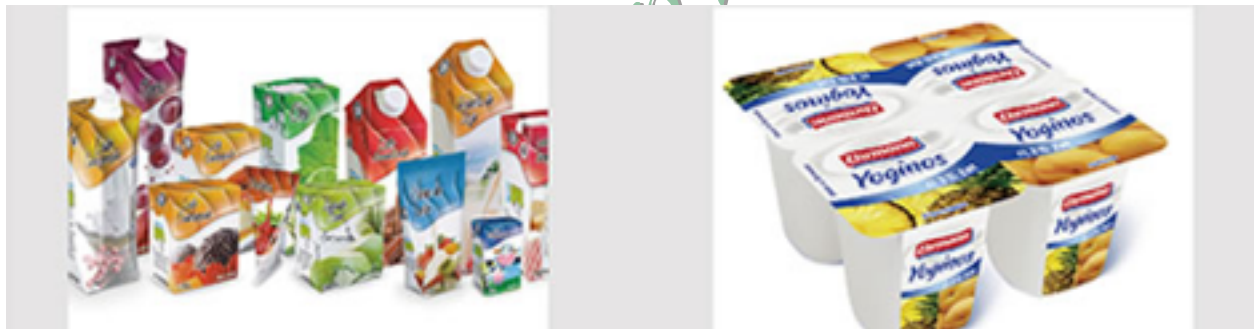
Applicable Materials:
PET Bottles



Aluminium Cans



TETRA-PAK & Yogurt Cups



MACHINE AVAILABLE

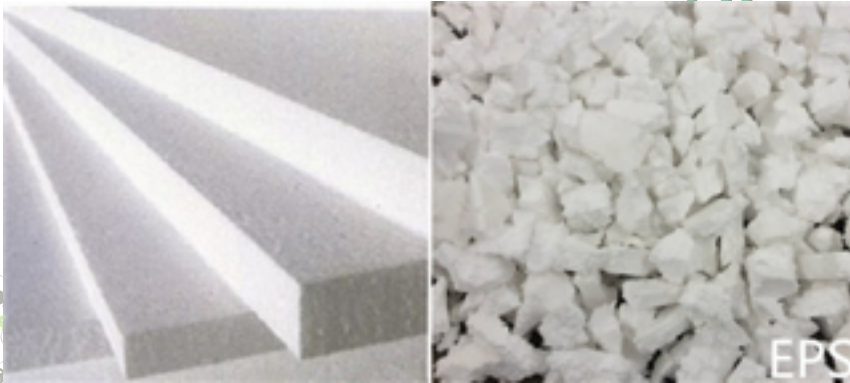
CAPACITY KG/HR	COMPACTED RATIO	SCREW ROTATION SPEED RAD/MIN.	TOTAL POWER KW
200	50:1	30	15.5
350	50:1	30	15.5
900	40:1	30	22.5



FOAM CRUSHER

The foam crusher can smash the waste plastic material into granules and beads, two machines that contain foam crusher and EPS beads crusher. Efficient heavy crusher driven by two powerful motors is able to break foams of all size and densities. The sharp cutter can shred all kinds of foam, especially PE foam, EPS, into 20-50 mm size small pieces. The crusher blade is as follows:

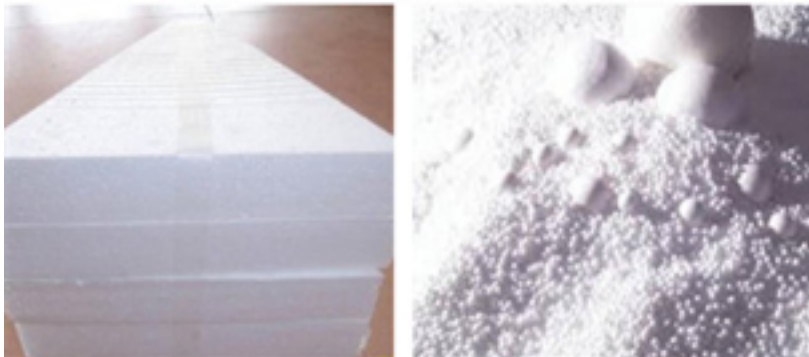
EPS Foam



EPE Foam



EPS Beads





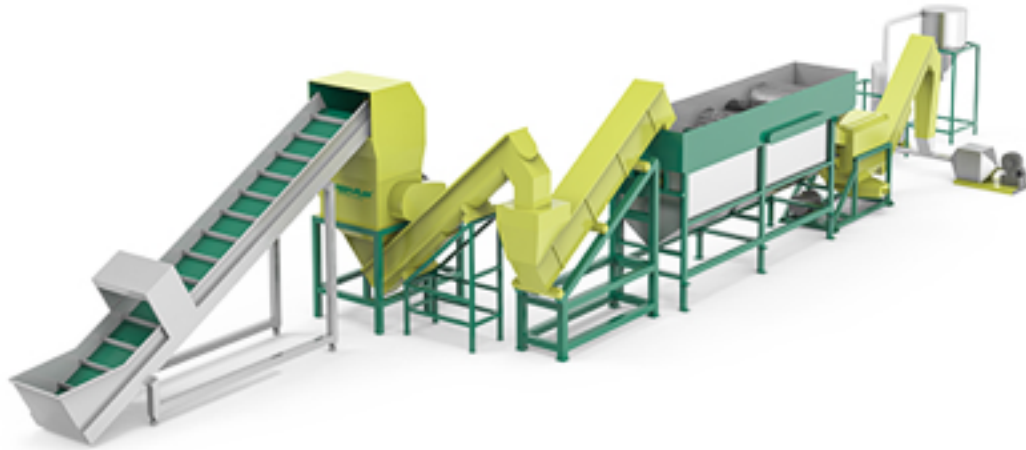
MACHINE AVAILABLE

CAPACITY KG/HR	CRUSHED INTO	LBS/HR	TOTAL POWER KW
1000	30-50 MM	880-1320	3
30000	4-12 MM		15.5
1200 (SHREDDER) HDPE/PP/ABS/HIPS	2-10 PCS	12-45 PCS	30.5



RECYCLING WASHING LINE TRITON SYSTEM

Recycling washing line Rigid Plastic is an EPS recycling system for contaminated Plastic at first. Plastic will be crushed into small scraps then washed and dried.



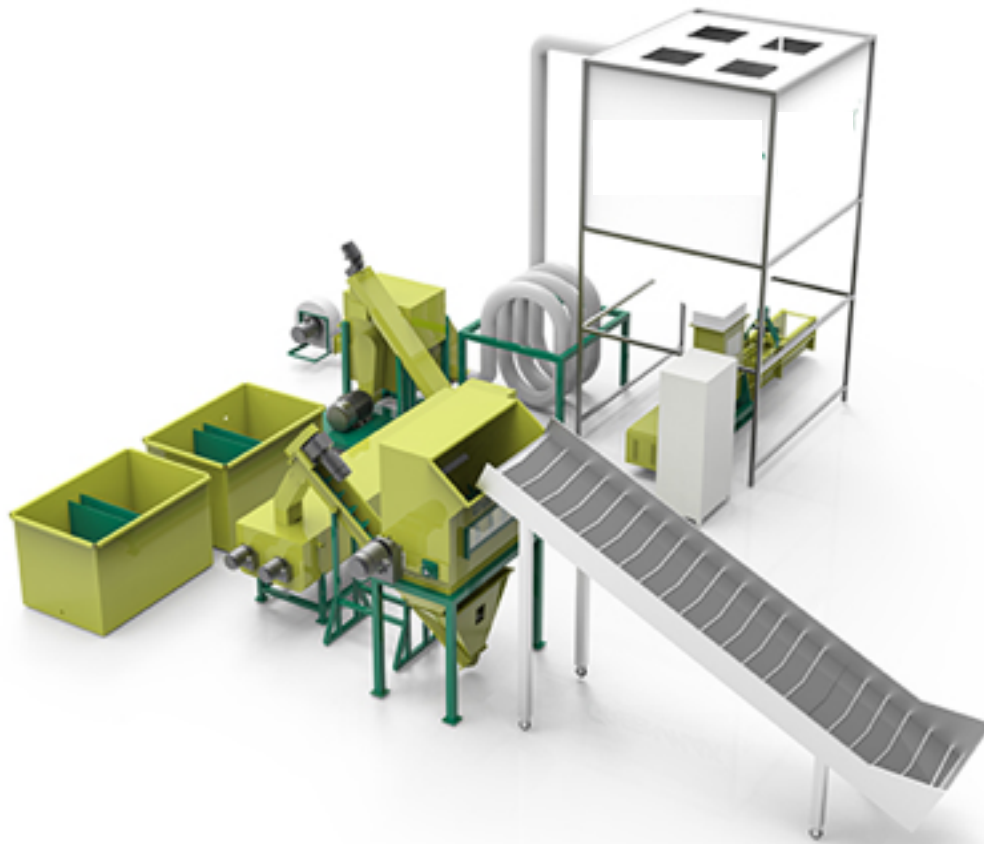
TECHNICAL DATA

- Type: Washing System Triton
- Capacity: 400~500kg/h (For Rigid Plastic)
- Conveyor Motor Power: 1.5kw
- Crusher Motor Power: 45kw

ADVANTAGES:

- High efficiency, intelligence, and simple operation
- Ultra-low energy consumption, energy conservation, and environmental protection
- Personalized customization and reasonable layout
- Durable and easy to maintain
- Online guidance, and brand after-sales
- The cleaning effect is excellent with advanced technology

Recycling washing recycling system for contaminated EPS foam waste. EPS waste will be crushed into small scraps then washed and dried, finally compacted into EPS blocks. Recycling buys back the EPS blocks.



TECHNICAL DATA

- Capacity:100 kg/h
- Crusher Motor Power: 45kw



ADVANTAGES:1.

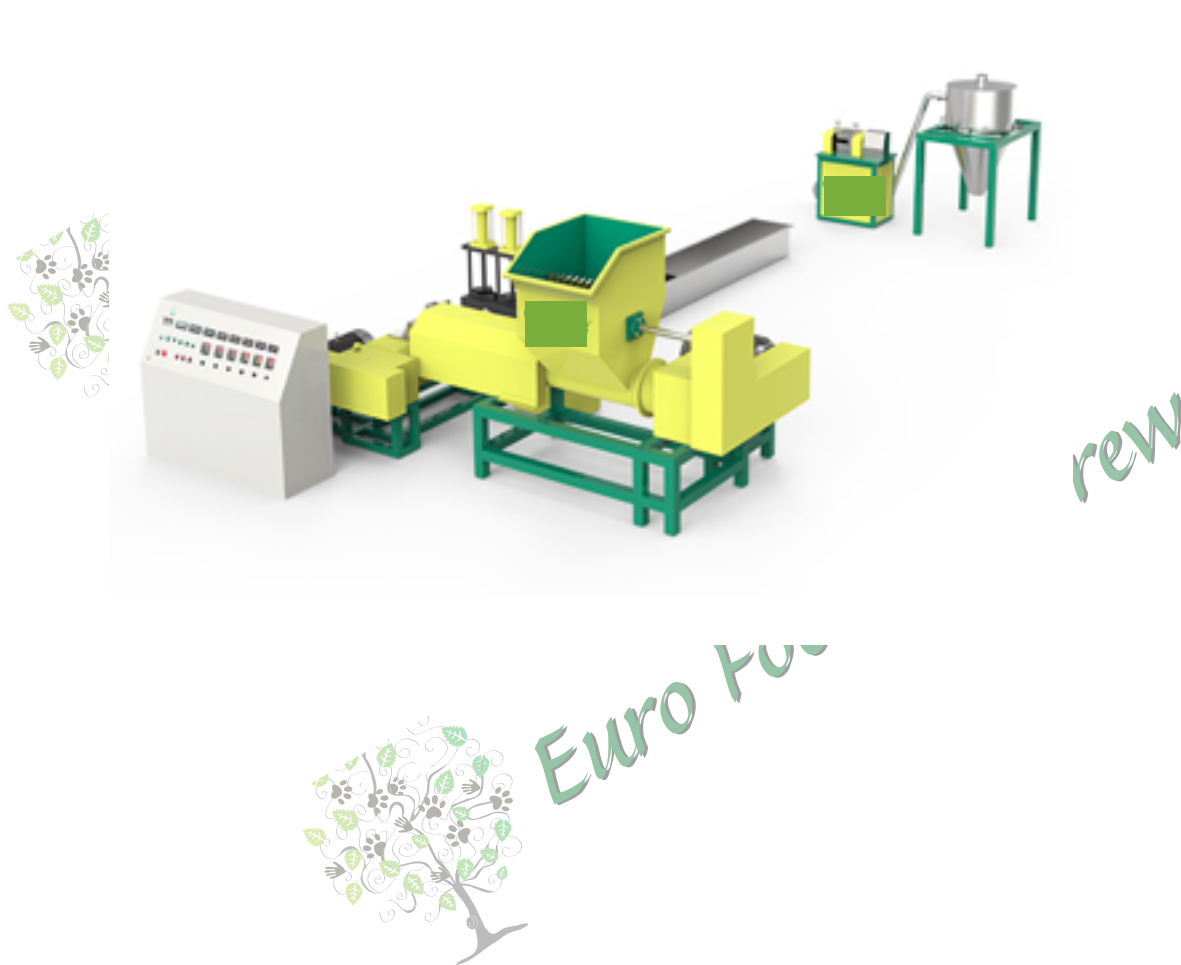
1. Production automation, manpower saving
2. Perfect adaption to multiple materials processing system.
3. Space saving and Maintenance friendly
4. The lower investment cost for high quality and durable machines.
5. Online installation guidance and other training service are available.
6. Customized design, which can be used stand-alone, integrated into the complete system with the shredder and compactor, or even into washing lines

TECHNICAL DATA

- Type: Washing System Triton
- Capacity: 200~300kg/h (For EPS)
- Conveyor Motor Power: 1.5kw
- Crusher Motor Power: 2*4kw
- Dehydrator Motor Power: 22kw
- Compactor Motor Power: 15.55kw

ADVANTAGES:

- High efficiency, intelligence, and simple operation
- Ultra-low energy consumption, energy conservation, and environmental protection
- Personalized customization and reasonable layout
- Durable and easy to maintain
- Online guidance, and brand after-sales
- The cleaning effect is excellent with advanced technology

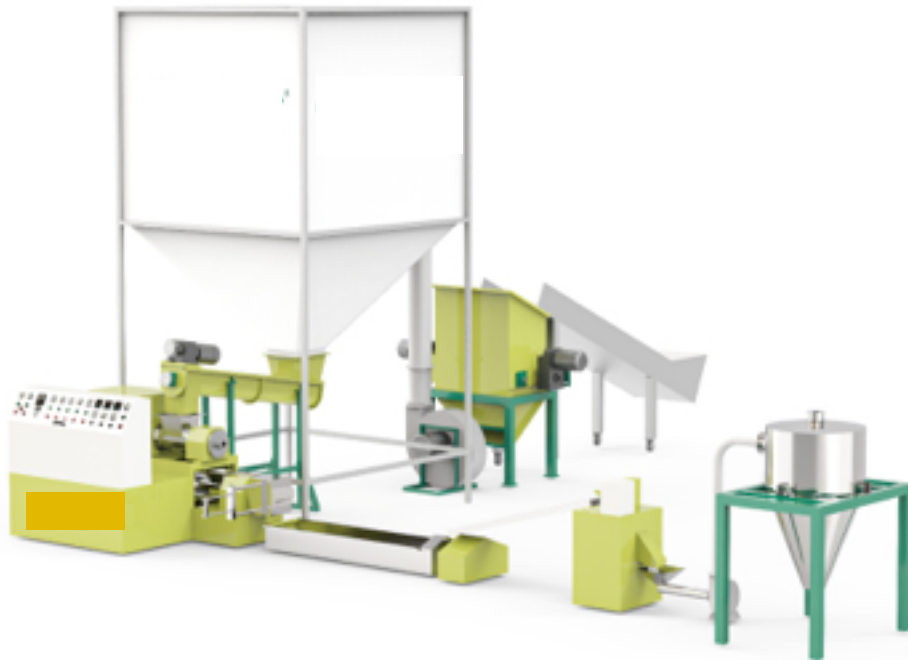


GRANULATOR MACHINE

Foam granulator is also called waste foam pellets recycling machine, which can produce foam pellets without destroying the original molecular structure, and the particles produced are widely used.

Available Material: EPS, EPE, EPP, XPS Foam

EPS granulator is the waste EPS foam through crushing - melting - pumping - cooling -



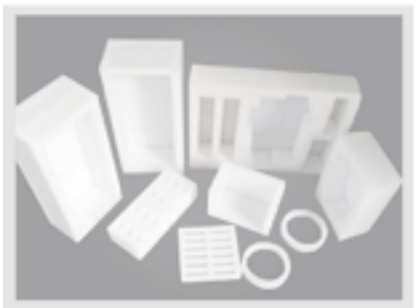
granulation and other processes, the final product into pellets.

TECHNICAL DATA

- Capacity:150-250 kg/h
- Crusher Motor Power: 45kw

ADVANTAGES:1.

1. Production automation, manpower saving
2. Perfect adaption to multiple materials processing system.
3. Space saving and Maintenance friendly
4. The lower investment cost for high quality and durable machines.
5. Online installation guidance and other training service are available.
6. Customized design, which can be used stand-alone, integrated into the complete system with the shredder and compactor, or even into washing lines



BEFORE



AFTER



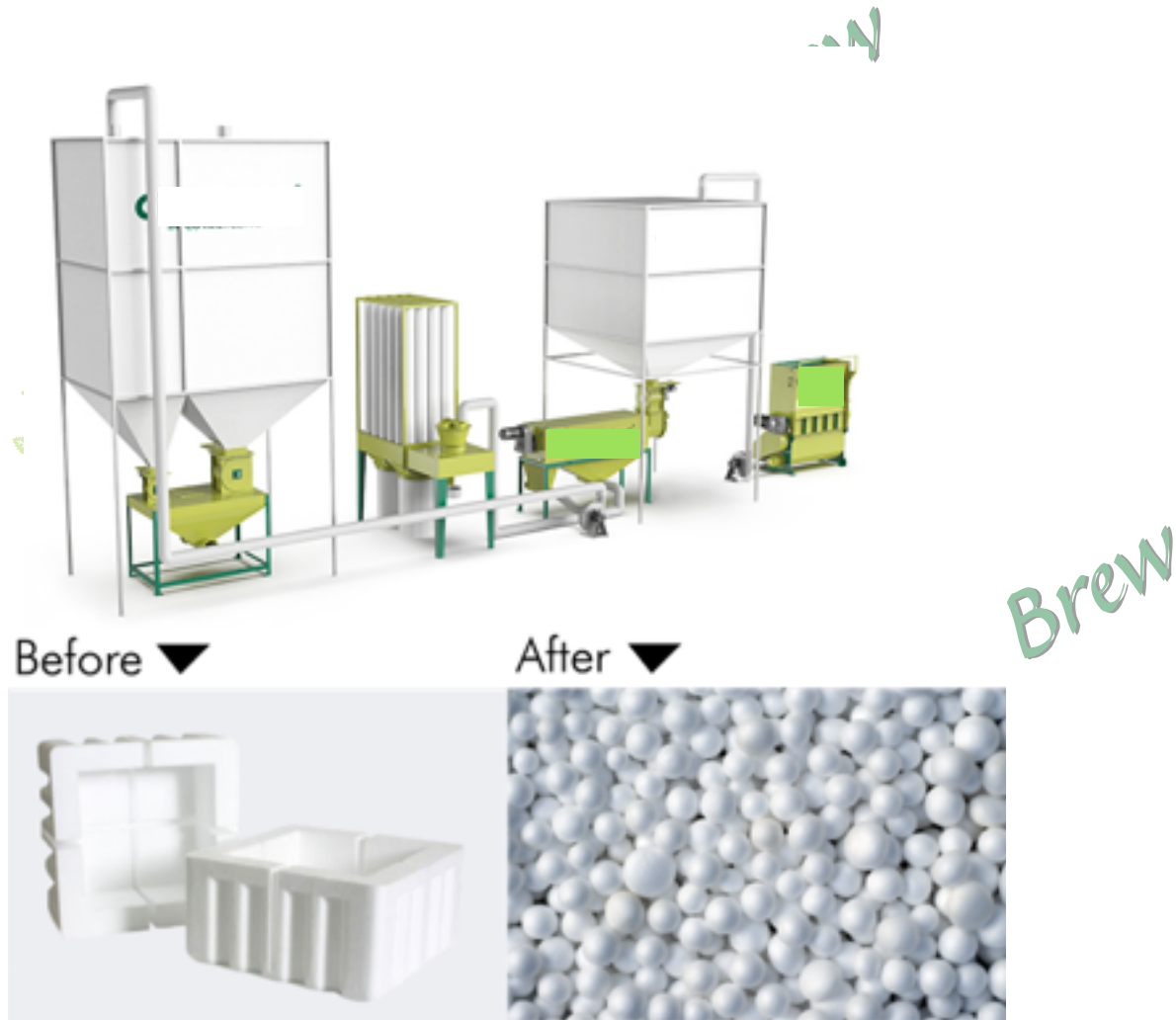
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EPS RECYCLING SYSTEM

EPS recycling system is a large EPS recycling machine, which is specially used for recycling EPS beads. First, waste EPS is broken into EPS beads. These beads are the "monomers" that make up EPS. Then, the reusable EPS beads and the non-reusable EPS beads are separated by the EPS recycling system, and finally, the use of recycled EPS beads and EPS beads is realized. materials are mixed to manufacture new EPS products.



ADVANTAGES OF EPS RECYCLING SYSTEM:

- It combines crusher, de-dust, collection, and mixer to form integrated equipment with high recovery efficiency.
- Waste EPS is recycled, greatly saving production costs.
- Simple structure and flexible operation. The feeding speed can be controlled and the mixing ratio of the new material and the waste material can be controlled.
- Each component is independent and easy to maintain. Provide online after-sale service.