

THE FUTURE OF PLASTIC RECYCLING STARTS HERE

“

Sustainable Recycling Solutions
Designed for Real-World Impact

”

A wide-angle photograph of a large industrial facility, likely a recycling plant. The space is filled with various pieces of heavy machinery, including large shredders and conveyor systems. The ceiling is high with a complex network of steel beams and corrugated metal panels. Large windows on the right side allow natural light to illuminate the interior. The overall atmosphere is industrial and functional.

WHO WE ARE

**ENGINEERING
SUSTAINABLE
RECYCLING SOLUTIONS**

About **RECO**

Recosolution is an Indian recycling machinery manufacturer dedicated to helping businesses transform plastic waste into valuable recycled products. Our systems are designed to be reliable, easy to operate, and scalable for different production needs.

From size reduction and washing to extrusion and sheet production, our solutions are built to support organizations, making recycling more accessible, efficient, and profitable.



2021

FOUNDED

Building innovative
recycling solutions
since 2021



10+

MACHINE CATEGORIES

Complete recycling
systems for every
stage of the process.



GROWING

CUSTOMER BASE

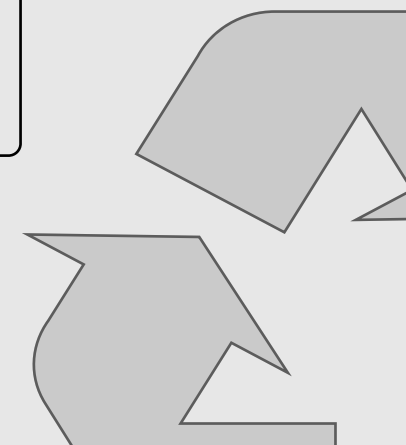
Trusted by recyclers,
manufacturers, startups
and organizations.



MADE IN INDIA

**DESIGNED &
MANUFACTURED**

Engineered and
manufactured for
global standards.



Our Clientele



104+

Machines Installed

100+

Happy Clients

20

Countries Reach

Contributing to GLOCAL GOOD



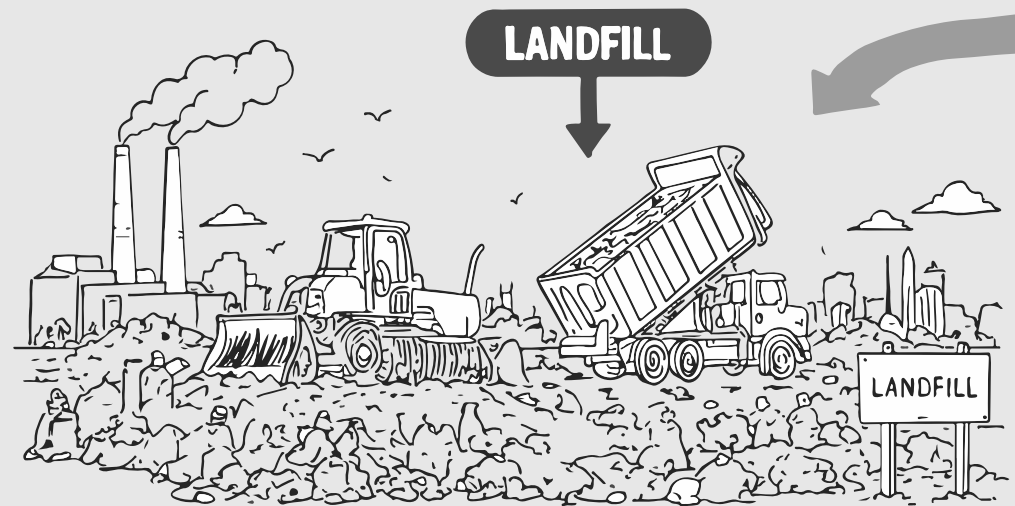


THE PLASTIC PROBLEM

THE CHALLENGE

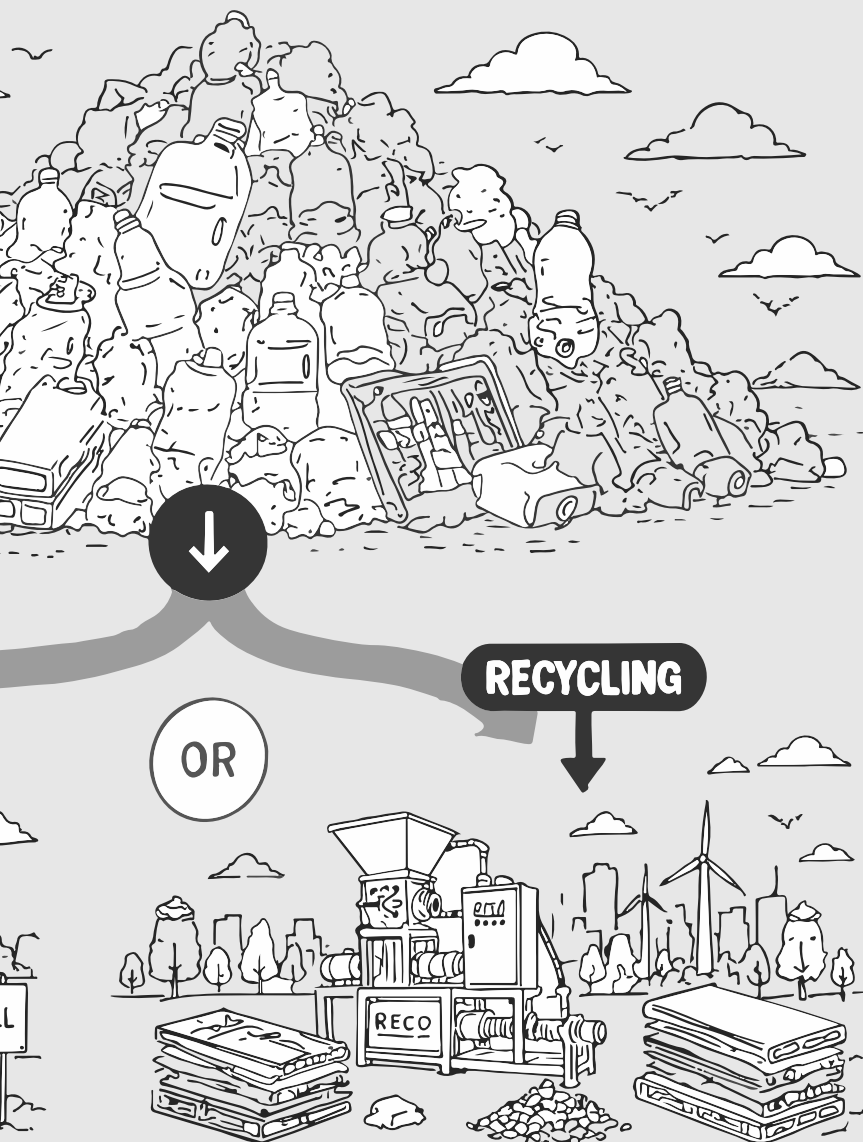
Every day, tons of plastic waste end up in landfills and natural environment. Much of this material still holds value but lacks proper recycling infrastructure.

RE Think
Process
Build



- Take hundreds of years to decompose
- Pollute soil, water and air
- Harmful for wildlife and ecosystems
- Valuable resources wasted

Plastic waste is not just an environmental issue. It's a lost opportunity.



- Diverts waste from landfills and ocean
- Reduces harmful environmental impact
- Conserve natural resources
- Creates value and new opportunities

WHY RECYCLING MATTERS



REDUCE LANDFILL WASTE

Divert plastic waste from landfills and natural environments.



RECOVER VALUABLE RESOURCES

Transform discarded plastic into reusable raw materials and finished products.



CREATE CIRCULAR ECONOMY

Keep materials in use longer and reduce dependence on virgin plastic.



GENERATE NEW BUSINESS OPPORTUNITIES

Turns waste into valuable products and drives economic growth

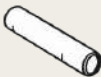


Every piece of plastic has value. The right solution can turn today's waste into tomorrow's resources.

Types of Plastic

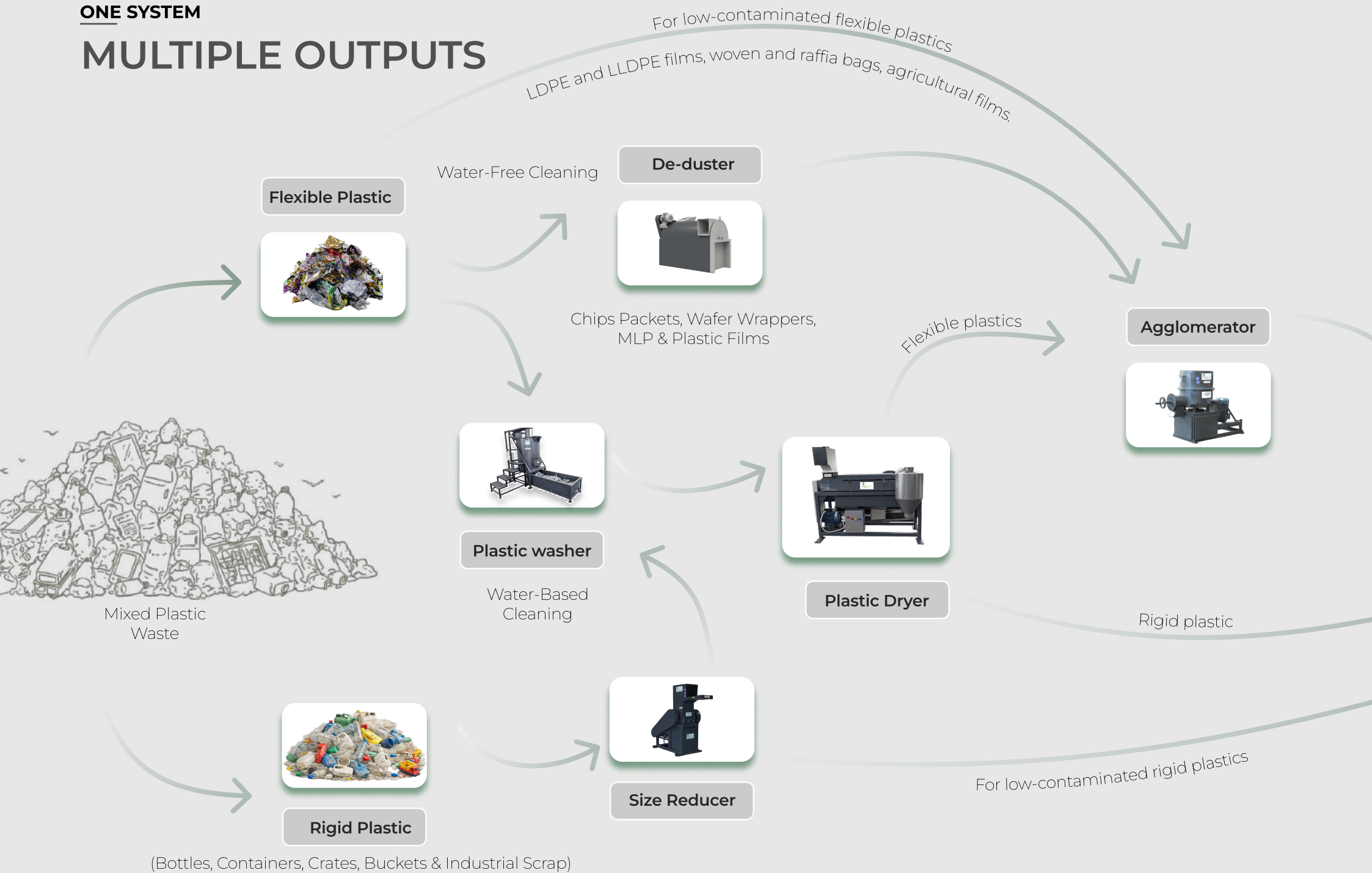


RE Think
Process
Build

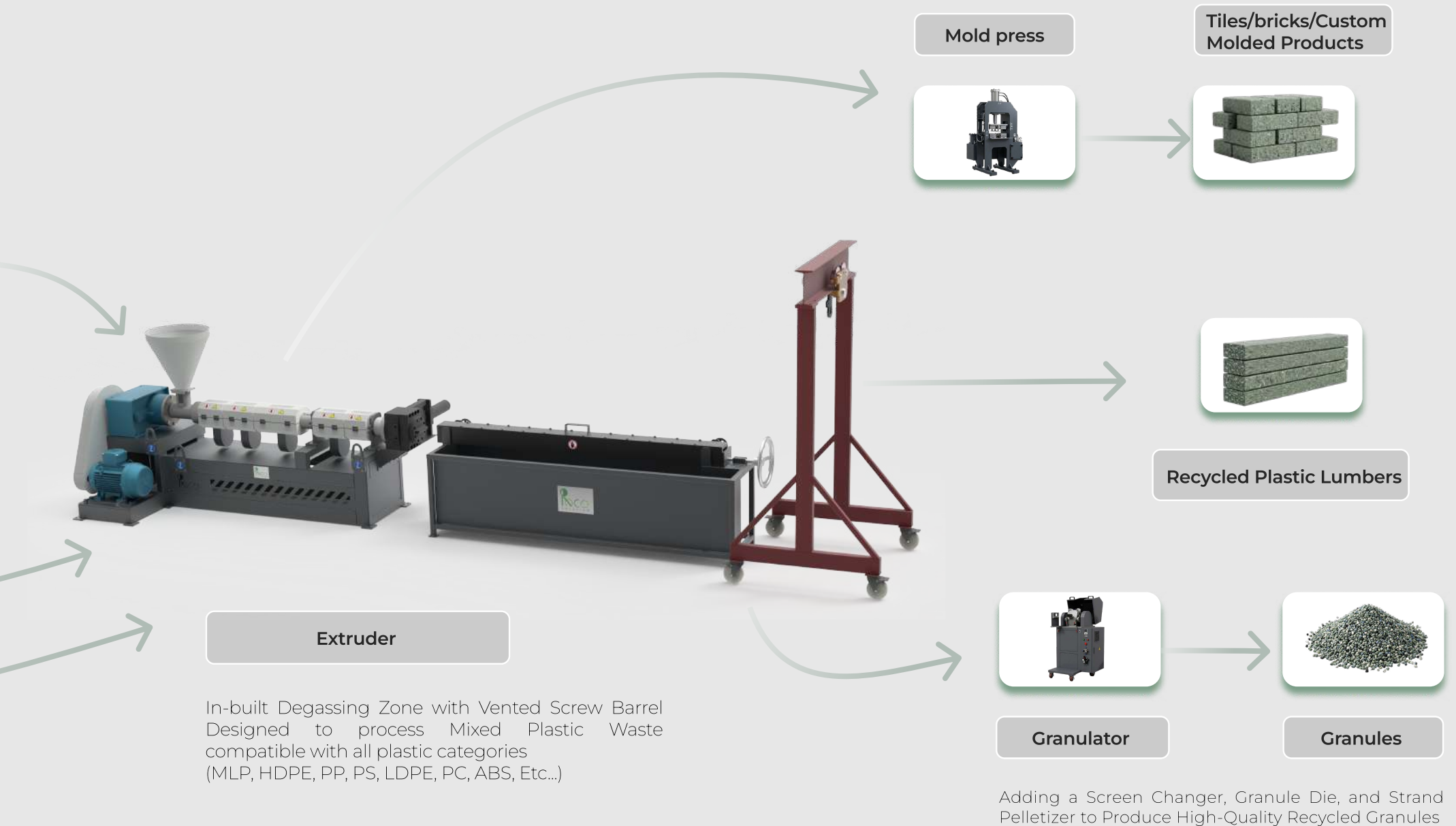
 PET	POLYETHYLENE TEREPHALATE Strong, lightweight and widely used for packaging.	COMMON SOURCES   
 HDPE	HIGH DENSITY POLYETHYLENE Tough and durable plastic used in containers and packaging.	COMMON SOURCES   
 PVC	POLYVINYL CHLORIDE Versatile plastic used in pipes, fittings and various applications.	COMMON SOURCES   
 LDPE	LOW DENSITY POLYETHYLENE Flexible and lightweight plastic used in films and bags.	COMMON SOURCES   
 PP	POLYETHYLENE Heat-resistant plastic used in containers and industrial parts.	COMMON SOURCES   
 PS	POLYSTYRENE Lightweight plastic used in packaging and insulation.	COMMON SOURCES   
 OTHER	OTHER PLASTICS Mixed or engineered plastics with various uses.	COMMON SOURCES   

ONE SYSTEM

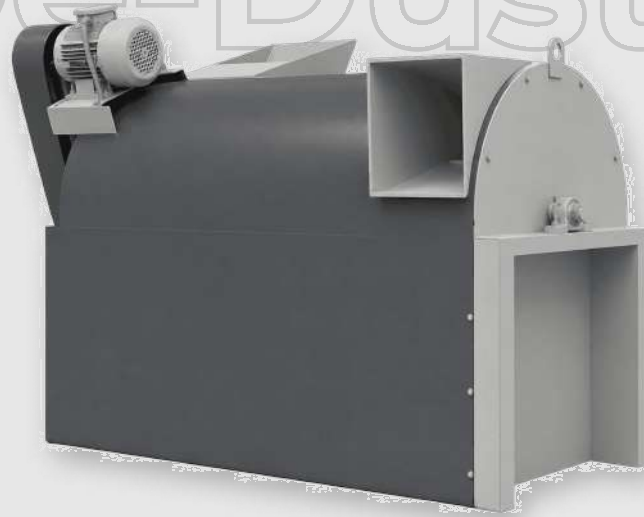
MULTIPLE OUTPUTS



RE Think
Process
Build



De-Duster



Removes fine dust and contaminants from recycled plastic, ensuring cleaner material and better-quality end products.

DIRTY FLEXIBLE PLASTIC WASTE



Dust, dirt & contaminants reduce quality and value.

MODEL

HP

CAPACITY (Kg/Hr)

1480 Dust Clean

7

100

14100 Dust Clean

7.5

150-200

24100 Dust Clean

10

200-300

CLEAN FLEXIBLE PLASTIC WASTE



Dust-free, clean & ready for next processing

Plastic Washer



Cleans plastic waste by removing dirt and contaminants, preparing it for high quality recycling.

DIRTY PLASTIC WASTE	
	Mixed with mud, oil, labels & other impurities

MODEL	HP	CAPACITY (Kg/Hr)
5.0 Wash Ultra	5	50
10.0 Wash Ultra	10	100
15.0 Wash Ultra	15	150

CLEAN PLASTIC WASTE	
	Thoroughly washed & ready for drying and recycling

Plastic Dryer



After washing, plastic waste must be properly dried before further processing. The Plastic Dryer removes excess moisture from plastic flakes, ensuring consistent material quality, smoother processing, and better-quality recycled products.

WET PLASTIC



Washed & wet
rigid & flexible
plastic (grinded)

MODEL

HP

CAPACITY (Kg/Hr)

5.0 - D CLEAN

5

30-50

15.0 - D CLEAN

15

150-200

25.0 - D CLEAN

25

400-500

DRY PLASTIC



Removes moisture from
cleaned plastic, preparing it
for efficient processing and
high quality output.

Aglo-Mixture



INPUT

Cleaned flexible plastic
from
De-Duster or Plastic Dryer

OUTPUT

Densified flexible plastic
uniform, semi melted and
ready for the extruder

MODEL	SIZE & HP	CAPACITY (kg/hr) LD	CAPACITY (kg/hr) (HM/HD/PP/MLP)
10.0 Aglo mix	022 & 10	40	25
25.0 Aglo mix	024 & 25	100	60
50.0 Aglo mix	030 & 50	200	130
75.0 Aglo mix	036 & 75	280	180
100.0 Aglo mix	042 & 100	400	250
120.0 Aglo mix	045 & 120	500	350
180.0 Aglo mix	048 & 180	800	550

Converts cleaned flexible plastic waste into a dense, uniform material through controlled heat & friction, ensuring smoother extrusion and higher efficiency.



INPUT- RIGID PLASTIC WASTE



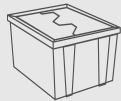
Bulky and rigid plastic items that are difficult to handle and recycle due to their size.



Shampoo
Bottles



Oil
Containers



Plastic
Crates



Buckets



Jerry cans
and more

Size Reducer



The Size Reducer is the first step in the recycling process, converting bulky plastic waste into smaller, uniform pieces. This improves material handling, increases processing efficiency, and prepares the plastic for the stages that follow.

Reducer



OUTPUT - Plastic Flakes



Uniformly grinded plastic flakes ready for washing, drying and further processing.

MODEL	HP	CAPACITY (KG/HR)
08 ReGrind	3	20-25
10 ReGrind	5	20-25
12 ReGrind	5	30-40
14 ReGrind	7.5	40-60
16 ReGrind	10-15	100-125
18 ReGrind	15-20	150-400
20 ReGrind	20-25	300-700
22 ReGrind	25-30	500-1000
24 ReGrind	25-30	800-1000
28 ReGrind	30-40	800-1000
30 ReGrind	40	700-1500
32 ReGrind	50	800-2000

EXTRUDER



**In built Degassing with
Vented Screw Barrel**



Processes Mixed Plastic



**High Production
Efficiency**

The Extrusion System transforms processed plastic waste into durable recycled products with efficient and continuous production.

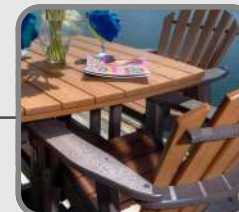
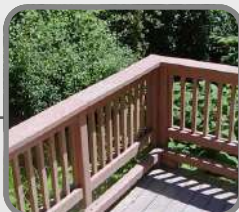


ER



MODEL	MOTOR HP	TOTAL HP	CAPACITY (KG/HR)	Max Lumber Size (mm)	Lumber Weight
2275	20	35	50-80	90x90x3000	22 Kg
27100	30	45	75-100	90x90x3000	22 Kg
30100	40	70	100-150	125x125x3000	35 Kg
34115	60	7.5	120-160	125x125x3000	35 Kg
36120	50	10-15	120-180	150x150x3000	48 Kg
40135	100	15-20	220-280	200x200x3000	65 Kg

PRODUCT



Mold Press



The Mold Press System uses heat and pressure to transform recycled plastic into durable, finished products. Designed for consistent shaping and reliable performance, it enables the production of high-quality components for a wide range of applications.

INPUT
Plastic Lumps from Extruder Machine

MODEL	HP	TOTAL HP
6550 Mold Press	2	2

OUTPUT
Pavers, Tiles, Pallets & Molded Products

RecoGran System



The RecoGran System converts processed plastic waste into uniform recycled granules, creating a valuable raw material for manufacturing and further recycling applications.

INPUT

Continuous Plastic Strands from Extruder

MODEL

08 RecoGran

HP

2

TOTAL HP

2

OUTPUT

Recycled Plastic Pallets or Granules.



Because we don't just build machines,
we build solutions that create impact



COMPLETE SOLUTION

End-to-end support from machine selection to product development



INNOVATIVE TECHNOLOGY

Engineered for real-waste and maximum performance



SUSTAINABLE IMPACT

Helping you create a cleaner planet and a better future.



GLOBAL EXPERIENCE

Trusted by customers in 20 countries worldwide and growing



LONG TERM PARTNER

We grow with you and support you at every step



WHO WE ARE

RecoSolution is an engineering-led company developing reliable, practical, and sustainable recycling solutions. Established in 2021, we design and manufacture high-performance recycling systems built for real-world conditions. Through in-house engineering, continuous R&D, and a focus on efficiency, low maintenance, and durability, we create cost-effective, export-quality solutions for complex waste streams. We believe sustainability should be accessible, delivering recycling systems that are responsible, reliable, and built to last.



OUR VISION

To create a world where waste is no longer discarded, but continuously transformed into opportunities for sustainability, growth, and environmental balance.



OUR MISSION

Providing sustainable recycling solutions for the community.



Impact Enabler

SUSTAINABLE



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Recycling Beyond Waste

