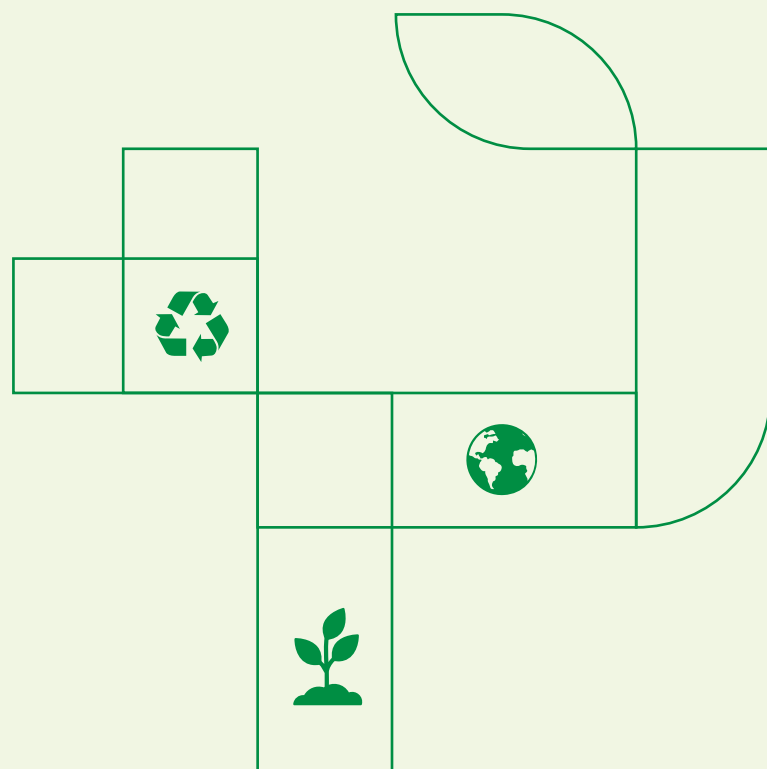




PARMAR
E N G I - T E C H

Smart Systems, Clean Solutions



India's leading
Plastic Recycling Technology



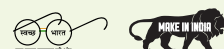
Innovative recycling systems crafted for performance,
sustainability, and a pollution-free world.

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• About Us

PARMAR ENGI-TECH is a global leader in advanced plastic recycling machinery and integrated recycling solutions, with a state-of-the-art facility located in **Rajkot-Gujarat (India)**. Backed by over **25+ years** of technical expertise, we are dedicated to innovation and engineering excellence.

We specialize in intelligent, high-performance recycling systems for **PET, PP, LDPE, & HDPE Plastics**, including bottles and caps. Our turnkey solutions — from crushing and washing to drying and Sorting — ensure maximum efficiency, quality, and sustainability.

As a trusted technology integrator, **PARMAR ENGI-TECH** delivers fully automated, energy-efficient machinery that transforms plastic waste into valuable resources. Our continuous focus on innovation, reliability, and environmental responsibility has positioned us among the most reliable and forward thinking recycling solution providers in the region.

At **PARMAR ENGI-TECH**, our vision is to drive a circular economy, reduce carbon impact, and create a cleaner, greener future through smart engineering.

• Vision

To engineer intelligent recycling systems for a cleaner, greener, and sustainable world.

• Mission

To deliver advanced, automated, and energy-efficient recycling machinery that transforms plastic waste into valuable resources — driving innovation and sustainability worldwide.

• Core Values

01 - INNOVATION

Advancing recycling through intelligent engineering.

02 - SUSTAINABILITY

Building eco-friendly solutions for a better planet.

03 - QUALITY

Ensuring precision, durability, and reliability in every machine.

04 - INTEGRITY

Growing with honesty, transparency, and trust.

05 - CUSTOMER SUCCESS

Empowering clients with value-driven recycling solutions.

• Resources & Technologies Deliver

PET Bottle to Bottle grade washing line

PET Fiber grade washing line

PP Bottle washing line

PP cap washing line

LD & HD Plastics washing line

Trommel Waste washing line

Label scrapping & separation systems

Flakes sorting, Blending & Packing systems

Automated flakes conveying and monitoring system



MORE THAN 15 PET & PP WASHING LINES ARE RUNNING ACROSS WORLD.

• More than **50+ Clients** have Successfully Run our Systems and Wash Line Machinery.

PET Bottle Washing Technology

Recycling input capacity: 500kg/hour to 6000kg/hour

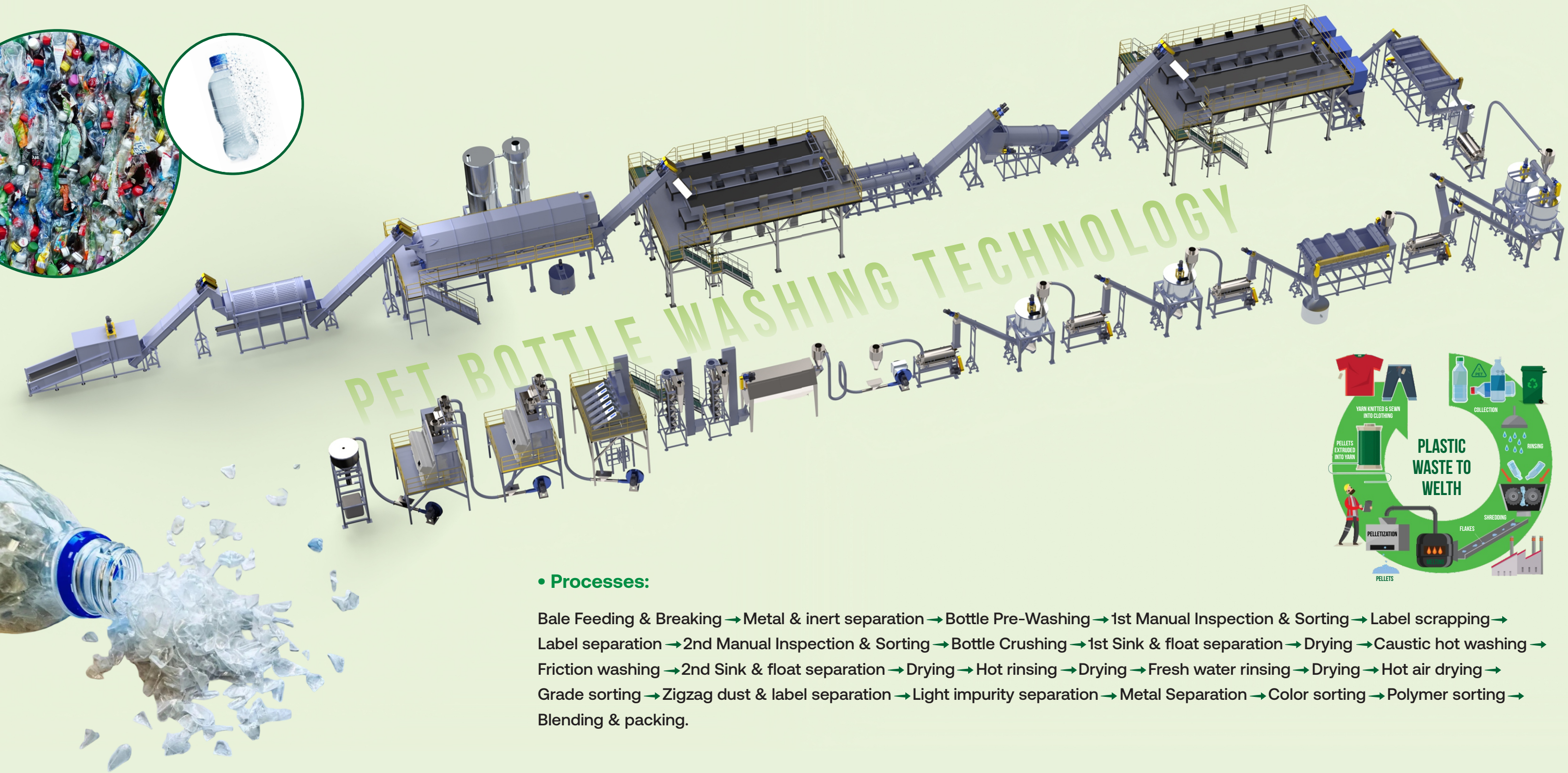


- B-to-B Grade PET bottle washing technology

Bottle-to-Bottle recycling grade pet flakes used to make new PET bottles (food-grade or beverage - grade). must meet very high purity and safety standards (often FDA/EFSA/FSSAI/BIS approved).

- Fiber Grade PET bottle washing technology

Fiber grade is a textile-grade PET flakes used for spinning into polyester fiber, filament, or strapping. purity can be moderate since it's not for direct food contact.



PP, HD & LD Plastics & Regrinds Hot Wash & Cold Wash Technology

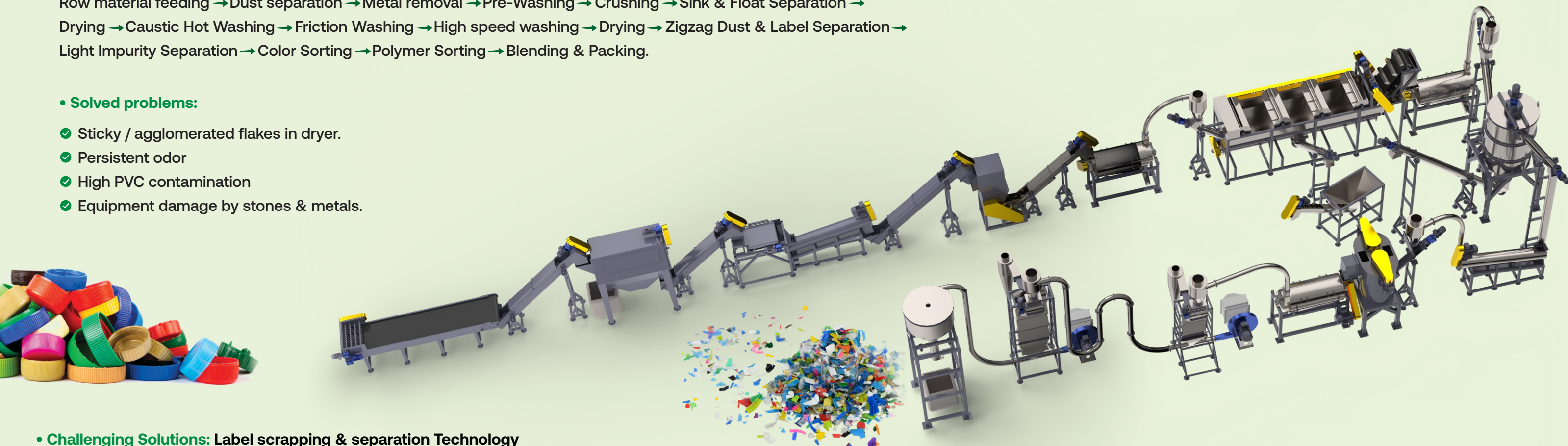
• Processes:

Row material feeding → Dust separation → Metal removal → Pre-Washing → Crushing → Sink & Float Separation → Drying → Caustic Hot Washing → Friction Washing → High speed washing → Drying → Zigzag Dust & Label Separation → Light Impurity Separation → Color Sorting → Polymer Sorting → Blending & Packing.

• Solved problems:

- ✓ Sticky / agglomerated flakes in dryer.
- ✓ Persistent odor
- ✓ High PVC contamination
- ✓ Equipment damage by stones & metals.

Recycling input capacity: 500kg/hour to 2000kg/hour



• Challenging Solutions: Label scrapping & separation Technology

We have developed two types of label separation system. One is consisting of a label scrapper and label blower, in which label scrapper is designed to minimize the time to replace spares, easier for maintenance and reduce machine downtime for smoother wash-line operations. Second is consisting of inbuilt label suction system which has combined two operation label scrapping and separation to compact machine size and required less floor area and efficient for hard label bottle. Both systems have capacity of 500kg to 3000kg input and efficiency greater than 90%.

