

TURNING WASTE INTO RAW MATERIALS

Recycling Plant
Mixed Plastic from E-Waste



 MARCOVIL

ABOUT US

MARCOVIL

Combining an **innovative** spirit with a strong **knowledge** in several fields of mechanical engineering and recycling operations.



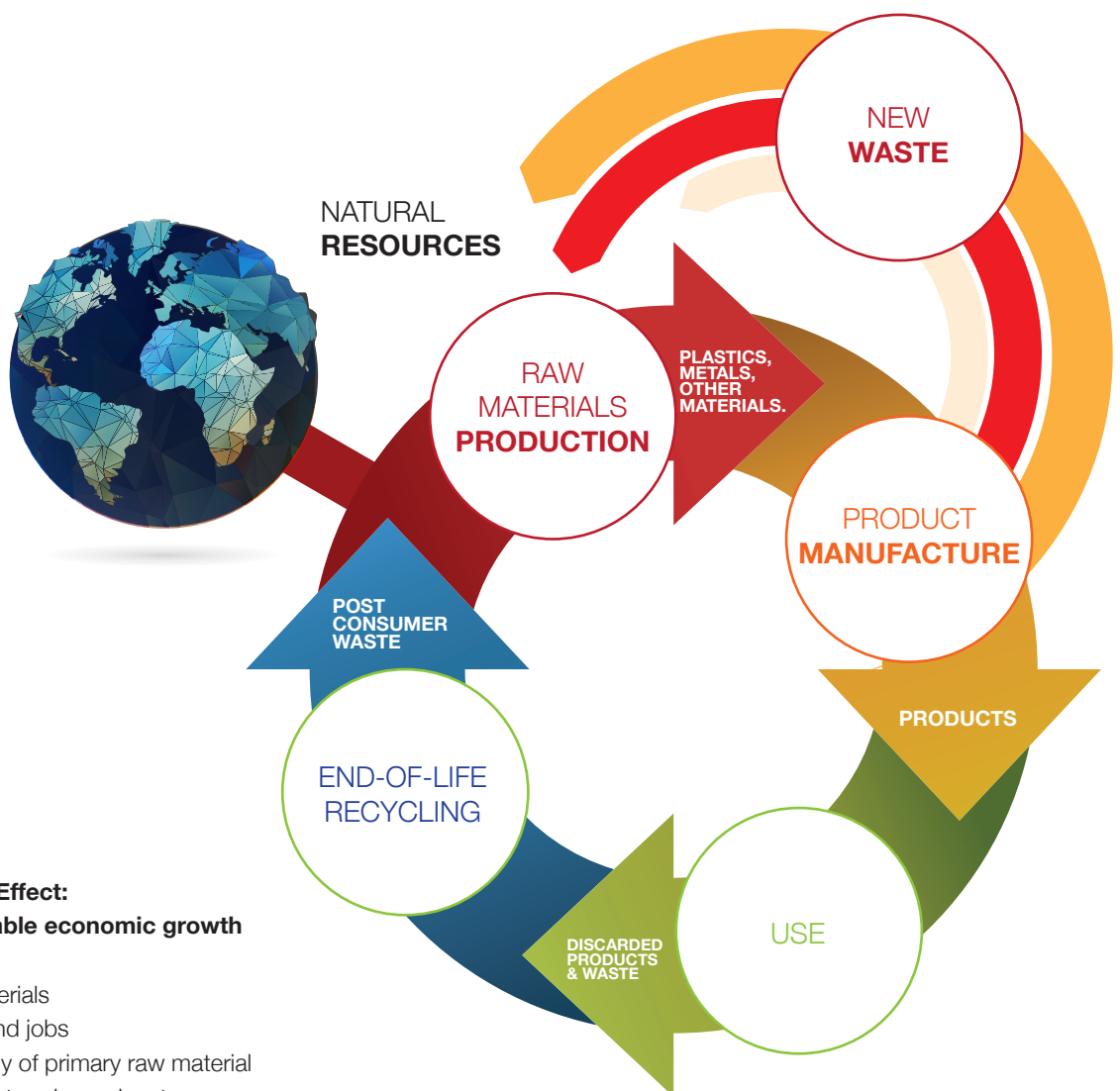
Marcovil founded in 1987 and counting today with a covered production area of 10.000 m², is a technology based company in the field of mechanical engineering, dedicated to the design, manufacturing and commissioning of Recycling Plants and Single Machines for different kind of waste streams.

Combining an innovative spirit with a strong knowledge in several fields of mechanical engineering and recycling operations, Marcovil delivers to the dynamic Recycling Industry high-tech efficient solutions that allow our customers to transform different waste streams into valuable secondary raw materials, maximizing their Return on Investment.

THE COMMITMENT

MARCOVIL

In the important transition from the Linear Economy to the Circular Economy, Marcovil invests a significant part of its revenues in the R&D with the objective of improving the recovery rates of our current offer of Recycling Plants and Machines, and also to create new Recycling Solutions to turning the new end-of-life products into new sources of secondary raw material.



The Circular Economy Effect: Disruptive and sustainable economic growth

- Retain valuable raw materials
- Create new industries and jobs
- Reduce the risk of supply of primary raw material
- Preserve the environment and our planet
- Reduce the carbon emissions
- Reduce the waste disposal



IN AVERAGE
44,7 MILLION
TONNES
OF E-WASTE
WERE GENERATED
PER YEAR

Source: The Global E-waste Monitor-2017, UNU, ITU & ISWA.



IN AVERAGE
the potential value
of plastic raw material
in E-Waste is

15,043 Million Euros
per year

THE
TECHNOLOGY

PLASTIC SEPARATION





THE MECHANICAL PRINCIPLE

INPUT MIXED PLASTIC FROM E-WASTE



OUTPUT PS | PP | PE | ABS



THE **PROCESS**



ENVIRONMENTALLY **FRIENDLY**



Water Treatment
in Closed Circuit



Dust Collection
In Closed Circuit

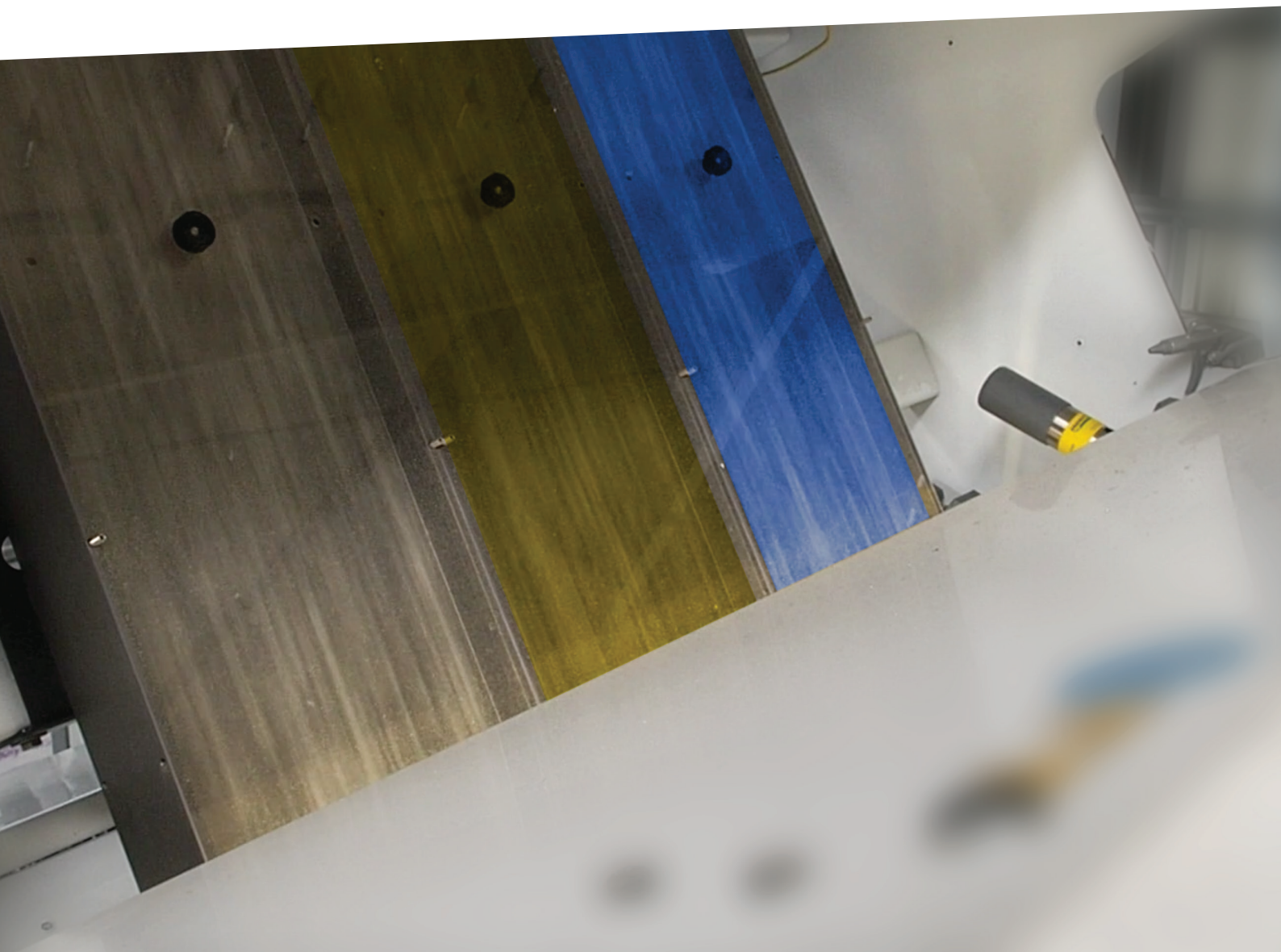


Noise
Protection

ADD MORE VALUE

OPTICAL COLOR

SEPARATION



The background of the image is a close-up, slightly blurred photograph of a large quantity of small, irregular plastic pellets. The pellets are primarily two colors: a vibrant yellow and a deep blue. They are scattered across the frame, with some appearing in sharp focus while others are blurred in the foreground and background. The lighting is bright, creating a high-contrast, clean aesthetic. The text 'UNTIL PELLET PRODUCTION' is overlaid in the center, with the 'UNTIL' and 'PRODUCTION' parts in blue and the 'PELLET' part in yellow, matching the pellet colors. A short yellow horizontal line is positioned below the word 'PRODUCTION'.

UNTIL PELLET PRODUCTION



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