



**CREATING
FUTURE PROOF
SUSTAINABLE
RESOURCES**



Recycling plastic waste into new products

Imagine there was a way to fully recycle plastic waste: a way to gather every single waste item and recycle it into a usable product, without wasting any usable plastic in the process. That is exactly what we are aiming for.

company movie



KRN turns plastic waste into sustainable raw materials

Plastic recycling is an important factor in the transition to a circular economy. By focusing our efforts on technological innovations and optimised recycling processes, we are able to (re)use our sources more and more efficiently. KRN is constantly committed to doing just that. We process and recycle waste into high-quality raw materials.

We use big data to automatically sort by density, colour, structure, and shape.

Our sorting robot uses big data to automatically sort the waste by density, colour, structure, and shape. Our lines are suitable for processing both mono flows and mixed flows.

KRN's objective: creating future proof sustainable resources

Europe wants to be climate-neutral in 2050, and we are already working towards it. KRN plays an important role in the transformation. Together with partners and clients, KRN strives for a single goal: the realisation of a circular economy.



Discover how we can help you to contribute to a sustainable future

If you would like to find out more about us and how we can help, contact one of our advisers to discuss the possibilities for your organisation. Together, we can reduce our plastic footprint and look forward to a sustainable future.

KRN processes and recycles hard plastics into high-quality raw materials

Kunststof Recycling Nederland is an international player in plastics recycling. Yet we keep our lines of communication short. KRN is specialised in processing and recycling hard plastics. The company uses innovative solutions to turn plastic waste into high-quality raw materials.

KRN mainly focuses on post-consumer products, but also processes post-industrial products. KRN's lines are suitable for processing both mono waste flows and mixed waste flows. Technological intelligence is used for several methods of separating waste, and the material is continuously monitored.



KRN uses circular working methods

KRN is committed to a circular economy: a closed chain, whereby waste is returned to the economy in the form of high-quality raw materials for new products. We work closely with partners and clients to achieve this, so that - together - KRN can reduce the plastic footprint on earth and look to the future with a sunny smile.

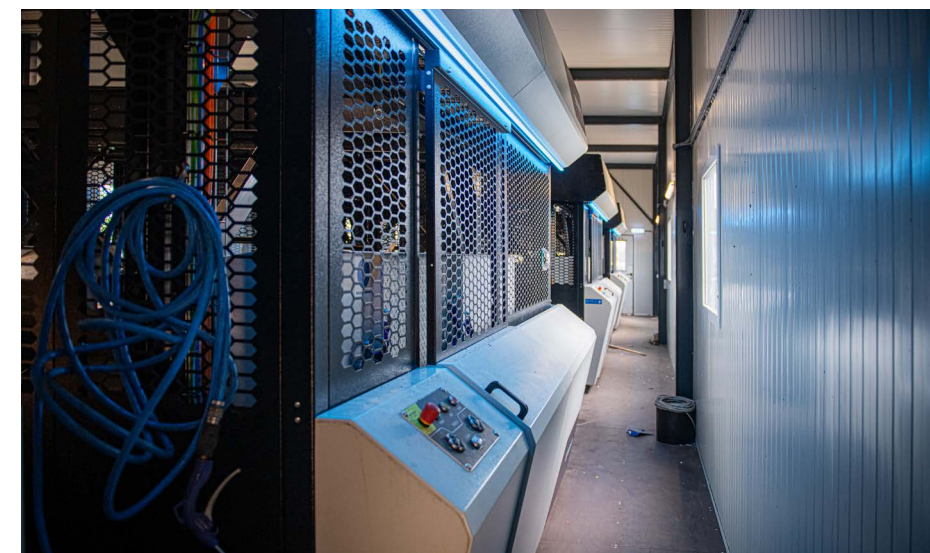


The plastics recycling process

The plastics recycling process consists of a few simple steps. KRN starts by collecting hard plastic materials. Then we clean, sort, and shred the plastic and use it to produce new raw materials.

Sorting waste by density, colour, structure, and shape

KRN processes both mono waste flows and mixed waste flows. Our sorting robot uses big data to automatically sort the waste by density, colour, structure, and shape: resulting in as many as 7 colours and 10 different fractions.



Plastic cleaning and shredding

All materials are continuously monitored at KRN. The cleaned and shredded plastic is regularly tested in a controlled environment, to help us safeguard its quality.

High-quality raw materials

The basis for high-quality recyclates starts with careful sorting of the plastic waste. Our optimised recycling processes allow us to produce high-quality raw materials - helping us to achieve our vision for a sustainable future.



Sourcing plastic material

The basis for high-quality recyclates is in the careful sorting of plastic waste. Thanks to targeted procurement of plastic products, we can often shred similar and equivalent plastics together, maintaining a comparable quality.

This is because KRN starts from the source. We work closely with our clients, so we can ensure circular processing of plastic materials - together.

Post-consumer and post-industrial products

KRN mainly focuses on post-consumer products, such as crates, buckets, garden furniture, car bumpers, and mixed plastic waste flows from recycling centres. What's more, we also recycle old waste containers and process post-industrial products, such as horticultural production waste and by-products. KRN's production lines are suitable for both mono waste flows and mixed waste flows.



Circular economy

KRN is committed to a circular economy: a closed chain, whereby waste is returned to the economy in the form of high-quality raw materials for new products. For this reason, we monitor the materials throughout the entire process, which results in very precise sorting, extensive testing, and the supply of high-quality granules. High-quality recyclate can be used to manufacture sustainable products - completing the circle.

Sustainable methodology

KRN's methodology is also based on sustainability. The main advantage is sustainable energy consumption. In addition, we like to get involved in transport solutions to limit the emission of CO2 as much as possible. We can collect the products from your premises, if you wish. Thanks to the KRN Mobile Recycling Service, we can also reduce the materials on site. The shredded material is then taken to KRN for further processing. The granulate can either be sold or returned to you, so you can reuse it: **a win-win for you and for the world!**



We are proud to announce that KRN is fully circular in its processes!

Circular collaboration

KRN is also committed to circular collaboration. We enjoy working with our partners and clients to create the most circular product possible. So that - together - we can reduce the plastic footprint on earth and look to the future with a sunny smile.

Certified in plastic recycling

Plastics recycling and the use of recyclates are gaining more and more momentum in society, making way for innovations and bringing about increasingly optimised recycling processes.

KRN is very forward-looking and progressive when it comes to plastic recycling. We constantly strive for improvement and we enjoy helping our clients to optimise their waste chains. This often involves high demands to the condition of plastic materials in a chain. Thanks in part to KRN, these demands are easily met.

KRN is certified by EuCertPlast and Plastics Recyclers Europe. We can monitor every piece of plastic throughout the entire process, thanks to your automated processes. This allows us to accurately manage our waste flows, and return the same products to our clients in the knowledge that the quality is the same.



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Using future-proof sustainable resources to reduce the plastic footprint - together. If you would like to find out more about us and how we can help, contact one of our advisers to discuss the possibilities.

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