

## REMANUFACTURING : A SMART, SUSTAINABLE SOLUTION FOR THE FUTURE

### What is Remanufacturing?

Remanufacturing is an **industrial process** that **restores** a used product to its original performance product. Unlike simple repairs, remanufacturing involves:

- **Dismantling** the product
- **Replacing** or refurbishing components
- **Testing** and **validating** performance
- **Guaranteeing** quality and reliability

By extending product life, remanufacturing contributes to the circular economy, reducing waste and environmental impact while maintaining high-quality standards.



### Remanufacturing vs. Reuse, Repair, Repackaging and Recycling

To better understand the value of remanufacturing, it's important to compare it with other processes that extend a product's lifecycle.

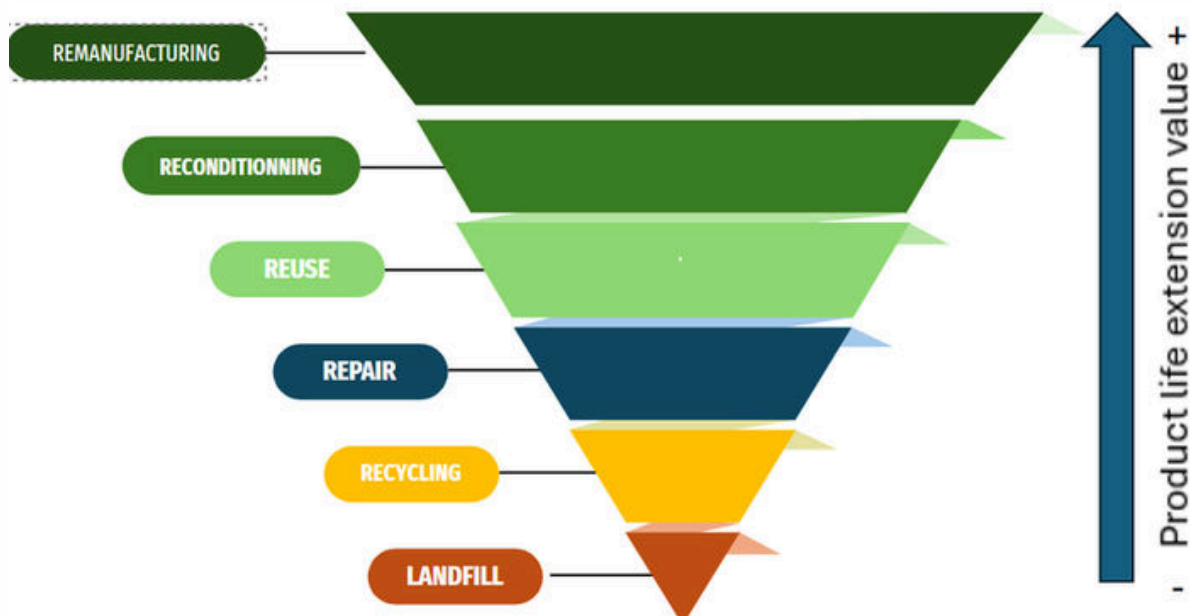
▲ **Remanufacturing** – Fully restores the product to like-new condition, ensuring original performance and high quality level.

📦 **Reconditioning** – Enhances appearance and usability but does not fully restore the product to its original specifications.

🔄 **Reuse** – The product is used again without modification, often with minor cosmetic adjustments. It does not necessary require dismantling, replacement or repair of components. Products are not considered as new and their performance have not been increased. They can also be used for other purpose.

🔧 **Repair** – Fixes defects only but does not guarantee full restoration.

♻️ **Recycling** – Recycling is a process to recover a product considered as a waste into new materials.



## Benefits of Remanufacturing

Process	Product Functionality	Component Replacement	Quality guarantee
<b>Remanufacturing</b>	Restores to <b>like-new</b> performance	<b>Yes</b> , as per original specifications	✓ <b>Full product guarantee</b>
<b>Reconditioning</b>	Improves appearance and partial functionality	Some components replaced	<b>Limited warranty</b>
<b>Reuse</b>	Used as is, without performance validation	✗ No component replacement	<b>Partial guarantee</b>
<b>Repair</b>	Fixes only faulty parts, but <b>does not restore full performance</b>	Only specific components replaced	<b>Partial warranty on replaced parts</b>
<b>Recycling</b>	Product is destroyed and converted into raw materials	✗ Not applicable	✗ <b>Not applicable</b>

### Why Choose Remanufacturing?

- ✓ **Restores products to like new condition** – Maintains original manufacturer standards for quality and performance.
- ✓ **Extends product lifespan** – Maximizes usability and reduces waste.
- ✓ **Cost effective** – A budget-friendly alternative to purchasing new parts without compromising performance.
- ✓ **Environmentally responsible** – Supports the circular economy by minimizing raw material consumption and waste.

### Key Industry Associations

To stay informed on best practices and industry developments, explore the following associations:

- **Association European Remanufacturing Network** : [Visit website](#)
- **Automotive Parts Remanufacturers Association (APRA)** : [Visit website](#)
- **European Remanufacturing Council** : [Visit website](#)
- **France Auto Reman** : [Visit website](#)

These organizations provide **valuable resources, reports, and networking opportunities** for companies interested in remanufacturing.



✉ **Want to know more? Contact us today to explore how remanufacturing can benefit your business : [aftermarket@jtekt.eu](mailto:aftermarket@jtekt.eu)** 