

Remanufacturing of Robotics



Location: Via Grazia Deledda, 62010 Montecassiano, Italy

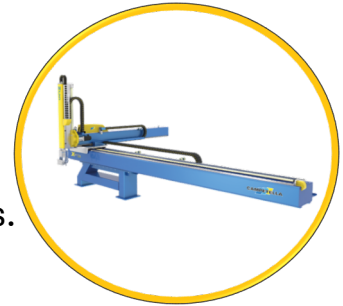
Web: www.campetella.com

Product

Cartesian Industrial Robot

Challenges

- Manual and time-consuming processes.
- High ergonomic risks due to handling of heavy parts.
- Reliance on experienced technicians for decisions.



Remanufacturing Business Model

The RENÉE project will enhance the remanufacturing process for industrial robots, enabling a more efficient and automated approach. This includes automated cleaning and disassembly, tracking component status, and implementing a rental model for remanufactured robots, providing a sustainable and cost-effective alternative to new purchases.

RENÉE Technology Advancements

- Implementation of collaborative workstation for cleaning and disassembly processes.
- Creation of a digital twin for the remanufacturing cell to assist operators and optimize the process.

Impact

- Reduction in manual labor and physical strain on operators.
- Increased number of remanufactured robots per year.
- Enhanced traceability and reuse of components.
- Decrease the time required for cleaning and disassembly.



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Funded by
the European Union

This project has received funding from the European Union's Horizon Europe Framework Programme under grant agreement n° 101138415.