



HUMANufacturing

Collaboration
is the new automation.



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Made in Comau

The Comau experience

Comau showcases the industry of the future. Smart, flexible, networked, where men are at the center of the production process and their interaction with machines is made efficient and safe thanks to the use of robots in collaborative applications, and digital technologies.

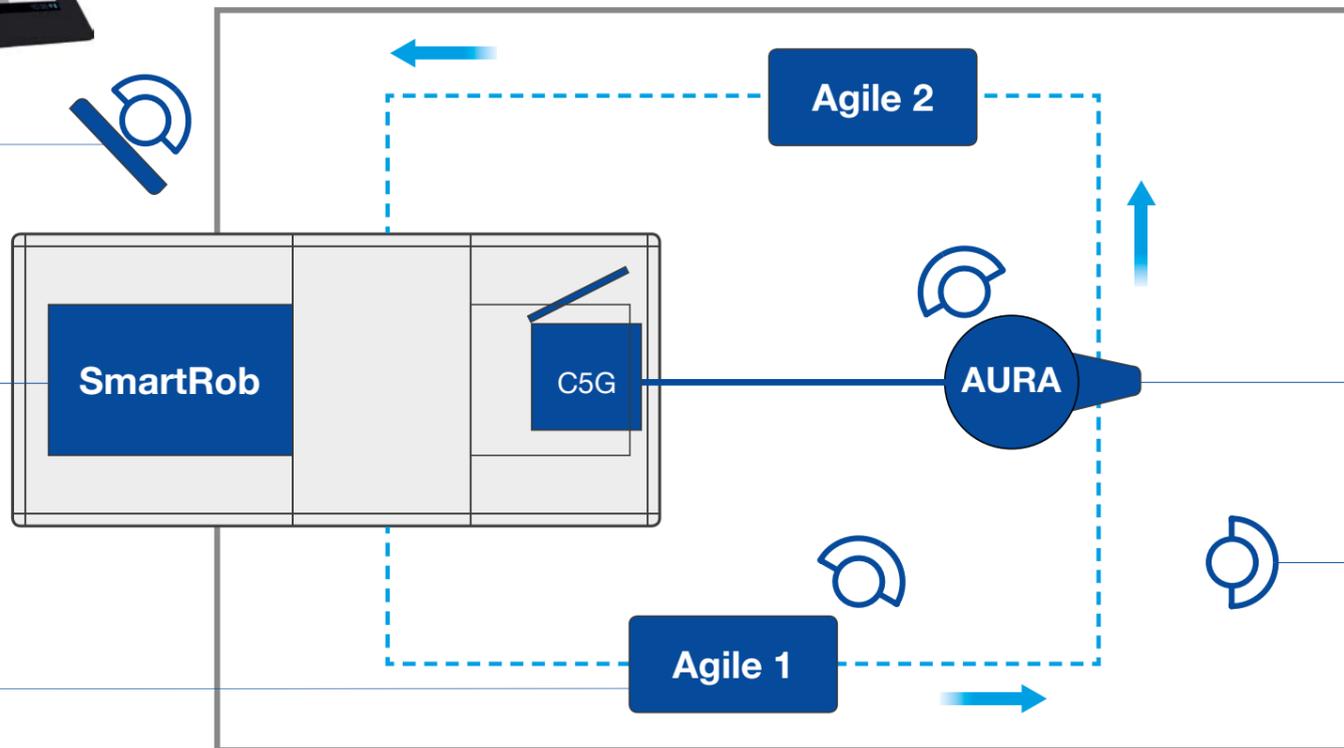


SmartRob is a modular system where a Comau standard robot is installed to perform powertrain assembly.

SmartRob is highly flexible and equipped with an automatic tool changer, a smart solution for multiple, one-piece flow operations.

Agile (AGV): Agile1500 can autonomously move to deliver parts inside the assembly station or work in continuous slow motion: this makes part assembly possible with manual operations in collaborative modality.

Advanced maintenance: augmented reality allows to enhance the perception of the context in which the user operates, combining real vision with virtual information automatically generated by the software.



Advanced Use Robotic Arm: AURA supports humans perform manual operations by optimizing the work process. Speed is tuned, depending on the device's signals which makes it possible for the robot to move in free space or in contact operations by following programmed trajectories or learning from the operator in manual guidance.



Smartwatch: humans become an active part in the automatic process using a wearable device.

Industry 4.0: the factory is changing into flexible, modular and scalable automation systems. Capable to operate autonomously or in a secure synergistic way with men, always connected and under control.

Now automation is no longer confined within fences, but it collaborates with human beings: this is what we like to call **Comau HUMANufacturing**.