SmartFlexCell

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PROBLEM/ISSUE ADDRESSED

European industry needs to increase sustainability, production flexibility and speed up the reconfigurability of production lines in order to increase its completeness and profitability in a global market. In particular, the automotive and machinery are two key sectors for the EU.

SOLUTION

SmartFlexCell will launch a highly flexible, easy to program, install and use self-adaptive, reconfigurable robotic cell with accuracy enchantment capabilities in a new company that can perform tasks such as assembly, machining, joining, etc. for changeable, personalized production.

WHY IT IS IMPORTANT FOR SOCIETY

Securing local employment and profitability also for personalized production with low energy consumption, encouraging companies to produce locally in the EU, focusing on strong sustainability, digitalization, environmental and social aspects.

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eit Manufacturing

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"We thank the EIT for enabling us to launch a new concept that relies on the synergy of project partners from Europe to bring it to market in a spin-off."

MAIN RESULTS & INSIGHTS

- Robot Aided Reconfiguration
- Sustainable, affordable passive fixture solution
- Supporting SMEs and mid-caps with I4.0 technology
- Establishing of a new spin-off company

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MAIN PRODUCT

Highly flexible, self-adaptive, reconfigurable robotic cell.

AIM: Promote, spread and implement the proposed new "Robot Aided Reconfiguration" technology in the European manufacturing community.

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