RUBIC - HYBRID PRODUCTION SYSTEMS BASED ON SAFE HUMAN-ROBOT INTERACTIVE COOPERATION





PROJECT START

Total costs: 693K€ EIT Funding: 577K€

MS1 - End User Specifications and KPIs February 2020

MS2 - Virtual layout and validation of HRC March 2020

MS3 - HRI Interfaces and collaborative robot control July 2020

MS4 - HRC station level integration platform September 2020

MS5 – HRC cell validation December 2020 thanks to EIT we were able to...
provide a promising quality
assessment solution to the industry

CHALLENGE



- Automation and digital transformation of existing manufacturing processes
- Quality assessment operations require high repeatability, accuracy and precision





Implementation of a hybrid working cell to automate the quality testing actions of a part.
 Robot precision & repeatability are combined with human

cognition capabilities



BENEFITS



- Improve working conditions for operators
- Avoid repeatable operations
- Minimize injuries and stress
- Improve quality assessment operations

MAIN PROJECT RESULTS





IMPROVE QUALITY
ASSESSMENT
OPERATIONS



IMPROVE WORKING
CONDITIONS FOR OPERATORS
BY AUTOMATING PART OF
THEIR ACTIVITIES







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