

KeyBotics

2022



A project by



Displacing intensive manual labour towards human-focused collaborative robots

Human-machine Co-working

Socially Sustainable Manufacturing

Project consortium



Summary

Today, robots collaborating with humans can enable manufacturers to increase performance significantly by improving quality, speed and repeatability and achieving human well-being without replacing human workers. Automated production is currently well-established in structured and predictable environments such as mass production, but it is limited for complex and unpredictable manual operations. KeyBotics was born from the ambition to decrease the drudgery of work by discharging the operator from repetitive tasks, focusing on

complex surface finishing operations such as deburring and polishing. To use cobotics as a facilitating tool for these precise, long-lasting manual operations. The versatility of the end-effectors will enable the cobot to adapt to many situations. Simultaneously, the operator can focus his actions on controlling and guiding the cobot, while taking benefit from both improved quality of work and productivity.



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