



# GOODMAN

AGENT ORIENTED ZERO DEFECT  
MULTI-STAGE MANUFACTURING

## Deliverable 3.3

### Prototypes of smart on-line inspection systems

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## Revision History

REVISION	DATE	INVOLVED PARTNERS	DESCRIPTION
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0.2	27/09/2018	UNIVPM, LOC	Final version

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## Executive Summary

The WP3 of GOODMAN project is focussed on the development of laboratory prototypes of smart quality control systems (QCS), i.e. quality control systems that exhibit smart behaviours. These smart capabilities are aimed to keep measurement uncertainty under control and to improve system performance in the complex factory environment typical of multi-stage manufacturing which also involves the presence of man-in-the-loop.

A total of 7 prototypes, divided among the 3 industrial use cases provided by the partners Volkswagen Autoeuropa, Zannini Poland and Electrolux Professional, have been developed in WP3. The concept, hardware and software design of these systems was presented in D3.1- "Quality inspection systems", as well as their self-X strategies providing the smart-capabilities to these systems constituted the focus of D3.2 "Self-adaptive quality control systems".

This D3.3- "Prototypes of smart on-line inspection systems" resumes the main characteristics of the QCS developed, also providing some results related to their validation.

