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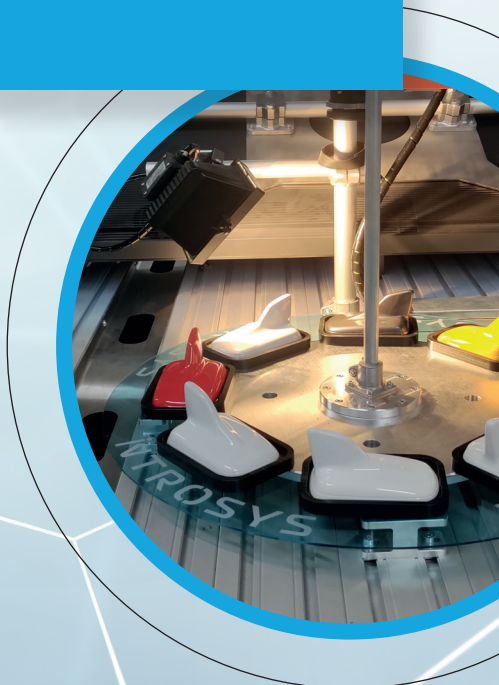
INTROSYS

Global Control System Designers

CheckMATE 

PROJECT

The CheckMate project intends to develop a collaborative, interactive, and flexible tool that allows assisting the operator in the quality control of manufactured products in production lines, using differentiated images and sensors. With this robot-human relationship, it is intended to value what each one knows how to do better, increasing the efficiency of the processes and simultaneously improving the quality of life of these operators, relieving them of tasks that demand high effort, bad posture or potentiate physical or psychological fatigue.



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THE OBJECTIVES OF THE PROJECT WERE ACHIEVED HIGHLIGHTING:

- Development of a Mobile “Checking Station” for Analysis of structural characteristics and detection of defects after final assembly;
- Development of a system for inspection of defects in the paintwork, such as wrinkles, runs, dirt, craters, boils, solvent marks, deformations, damage, “orange peel” effect, lack of paint, and lack of varnish;
- Development of a system to control the tone quality of painted car parts;
- Integration and validation in a controlled environment at Introsys’ facilities.



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