

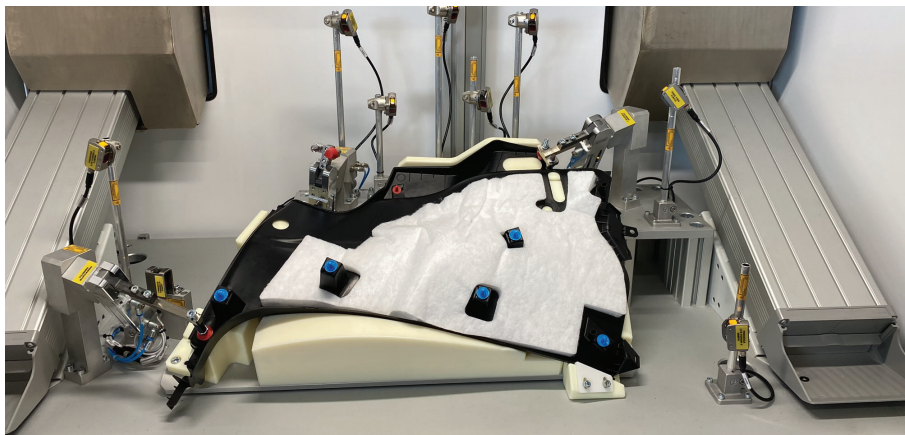


Vision System to check assembled components

For a well-known Automotive Brand we designed and developed a custom Vision System to check assembled components.

• Customer needs

Automate the component assembly verification process, collect and track information relating to production and to each assembled panel, then optimize the production and support company quality control.



• Our Project

The features of this project also include:

- Smart Custom Workstation, to check assembled components (small and easily transportable);
- Integrated hardware + software system;
- System connected to the PLC + MES for traceability and OEE;
- Vision System equipped with 9 laser sensors and 1 hi-res color camera;
- Vision Software featuring an advanced color-check and positioning algorithm;
- Real-time check for correct assembly operations;
- Integrated software to fully supports the operator;
- Average cycle-time: 35 seconds

ACHIEVED RESULTS

25% Time Saving

0 Mistake

18k More than 18.000 automatic controls per workshift

LEARN MORE WITH OUR DEDICATED VIDEOS

Follow the link or scan the QRCode to open the video related to this project on Youtube:



<https://youtu.be/FnoMMq4bVb0>

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