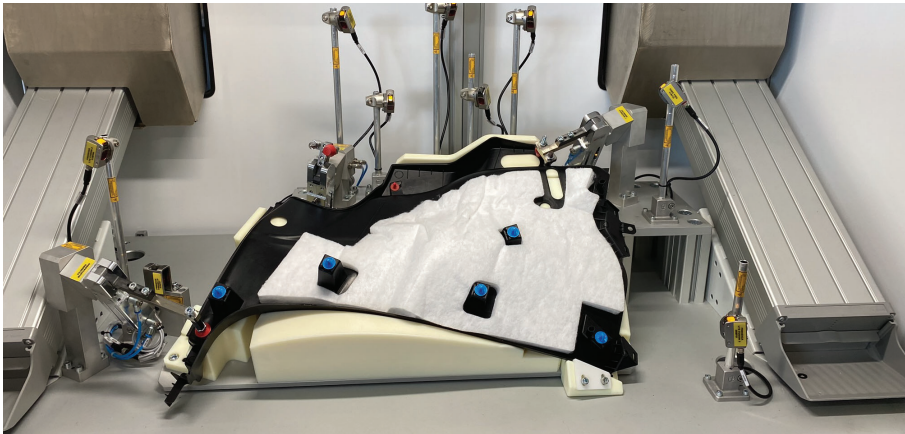


## Vision System to check assembled components

*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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