



Automatic Quality Control Machine

An innovative **Automatic End of Line Cockpit Check Machine** we have recently designed, developed and delivered for an **Automotive corporate**.

• 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:

- Cockpits Checking Machine composed by: external box (3m x 3m x 2.5m approx), automatic Assabloy rolling door, external Touch-screen display;
- Fixture designed to **auto-loading multiple types of cockpits and variants**;
- Automatic recognition of loaded cockpits and variants via **data-matrix**;
- **Advanced Supervision Software** for Visual Management;
- Authentication system via **EKS**;
- **Vision System** via **5 color cameras**, Quality photos (**1 hi-res camera**), Realtime inspection (**1 Internal webcam**);
- **1 rotational axis** to rotate the cockpit, **3 linear axes** to move cameras system;
- **42 checks per cycle** (parts, colors, materials, etc);
- **Advanced OEE** Module;
- High flexibility and customization of the whole system;
- **Traceability management** by data and high quality photos storage;
- Advanced traceability and MES systems **10 years of data integrity minimum** (Automotive standards)

ACHIEVED RESULTS

42 Checks done per cycle

35 Seconds cycle time

1720 Cockpits processed / day

0 Mistake

100% Safe

LEARN MORE WITH OUR DEDICATED VIDEO

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



<https://youtu.be/1IKnxUzcXIE>

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