

Kentigen

The Art of Industrial Testing



EVC EOL SHORT

technical list

Product category

Industry.



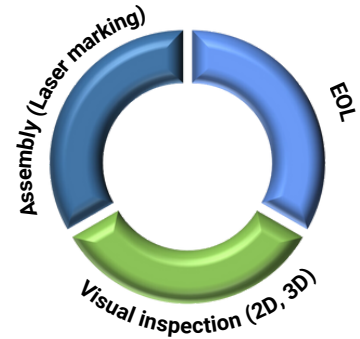
Automotive

Form factor



Standalone machine

Product solution



Machine specification

- **Operator-assisted EOL cell for EV cables:** the operator inserts the cable in a dedicated fixture and indexes it into the safeguarded area via a manual 2-position turntable.
- **Robotic inspection + 3D metrology:** a robotic arm and a Keyence 3D laser profiler perform geometry/profile checks; the HMI shows a live preview of the inspected cable.
- **Traceability & marking:** integrated **laser marker** for batch identification.
- **MES data integration** for results and genealogy.
- **Safety:** safeguarding with an ABB safety system and enclosed workstation.

Available tests

- Assembly verification of plastic housings including damage detection and snap-fit (latch) engagement control.
- 3D profile / geometry inspection of cable features with the Keyence profiler.
- Batch laser marking and PASS/FAIL decision with on-screen preview for the operator.

About

KG-EOL-EVC is an operator-loaded end-of-line tester for EV cables combining ABB robot and 3D laser profiler to deliver fast, repeatable inspections with built-in traceability; the case study quotes a ~17-second cycle and notes a follow-up version designed to handle cables up to 400mm.



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ANY QUESTION ABOUT MACHINE? CALL US

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SCAN TO SAVE CONTACT TO OUR CEO

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