

# Door Panel (DP) End-of-Line Tester (EOLT) E-Testing and Capacity Extension

## Key challenges in the project:

- Completeness check

## How did we solve them?

- Use of tailored sensor technology and SMART cameras



## Purpose of the project

The Door Panel Tester has been developed to check door panels. Depending on the requirement, either a complete test system is set up, consisting of measurement technology and mechanical system, or the measuring technology is integrated into an existing assembly line. In temporary testing situations at changing locations, the mobile test case is used.

This project features 4 test systems which are designed for testing the electrical components in door panels.

## Technical requirements for the test system

Test methods: Resistance measurement, current measurement, voltage measurement, LIN communication, visual inspection

Test spectrum: Identification, completeness, and surface of the test specimen; testing of the control modules, illumination, switches, and speakers

Operating modes: Automatic, manual

Measurement program with user interface, software used: NI LabVIEW

### Test keywords:

DP (Door Panel), DPT (Door Panel Tester), EOLT (End-of-Line Tester), DUT (Device Under Test): OK ("in order") in-spec part / NOK ("not in order") reject part, measuring PC



### Your contact partners

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