

Robot-executed tests, from Jira to analysed result — engineered on familiar ground

Robotic Arm Testing (HMI Testing)—

IZB 2026



MADE FOR

Automakers and their suppliers' test and validation teams for HMI-controlled functions that want to release software faster without compromising quality.

BUILT WITH

- Jira, Github, Databricks
- Python, YOLO object detection, Seed Studio reboot

WHY DXC FOR AUTOMOTIVE?

DXC helps carmakers and suppliers simplify complexity, build what matters and engineer it to scale. We combine deep automotive domain expertise with hands-on technical execution, giving clients a single partner from strategy to operations. Our teams integrate the industry software platforms automakers rely on, while building the proprietary systems that set them apart: digital cockpit and infotainment, autonomous driving, test and validation, and connected vehicle services. Our partner ecosystem spans silicon and AI compute leaders, industry platform specialists and domain-focused startups. Combined with our own engineering and enterprise-grade integration, it lets clients adopt proven, production-ready building blocks instead of starting from scratch. Through Physical AI, we engineer intelligent systems where software, hardware and AI come together, in the vehicle and on the shop floor. The result is faster innovation, consistent quality and compliance, and vehicle experiences that keep evolving over time.

WHY IT MATTERS

Test automation speeds up execution, but it moves the bottleneck to result evaluation. Teams still spend a lot of time reviewing results by hand, which slows feedback and releases.

EXPERIENCE IT LIVE

- A robotic arm operates a real infotainment system on a VW MQB37W test bench.
- Start a test run yourself and follow each step in real time.
- See the results on a live dashboard within five minutes.

UNDER THE HOOD

- Trigger – Test cases are launched directly from Jira.
- Execute – The robotic arm runs the test on the infotainment system, just as a user would.
- Capture – Every step and screen state is recorded.
- Analyse – AI object detection pre-analyses the results.
- Report – A report is generated automatically and fully traceable.

WHAT IT MEANS FOR YOU

- New software releases validated in hours instead of weeks.
- Much higher test coverage at an affordable cost.
- Full traceability and reproducibility.
- Immediate feedback for developers and faster development cycles.

**Start a test run at our booth
and see the results in five minutes.**

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