

robotron[®]

RCV

Software and Solution Platform for Computer Vision



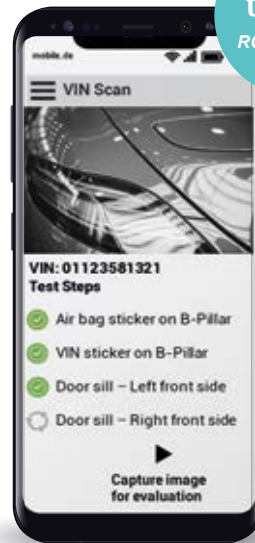
Realtime Computer Vision (RCV)

RCV is an end-to-end modular platform that facilitates diverse Industrial IoT use cases based on computer vision. The solution offers an integrated UI for data-preparation, -transformation, -labeling; an AI-enabled model-training; and a dashboard for performing inferences. The entire solution is containerized and can be deployed on-premises, in the cloud, on the edge or in a hybrid environment.

Functionalities

RCV Toolkit supports image classification, object detection, image segmentation and can be used for:

- ✓ Final assembly inspection of components/products
- ✓ Inspection of surface defects
- ✓ Anomaly detection
- ✓ Positioning & orientation of objects
- ✓ Automated commissioning of components
- ✓ Drone based detection in logistics
- ✓ Optical character recognition (OCR)



AI on the go!
RCV's Android App

Features



No-code AI



Assisted Labeling



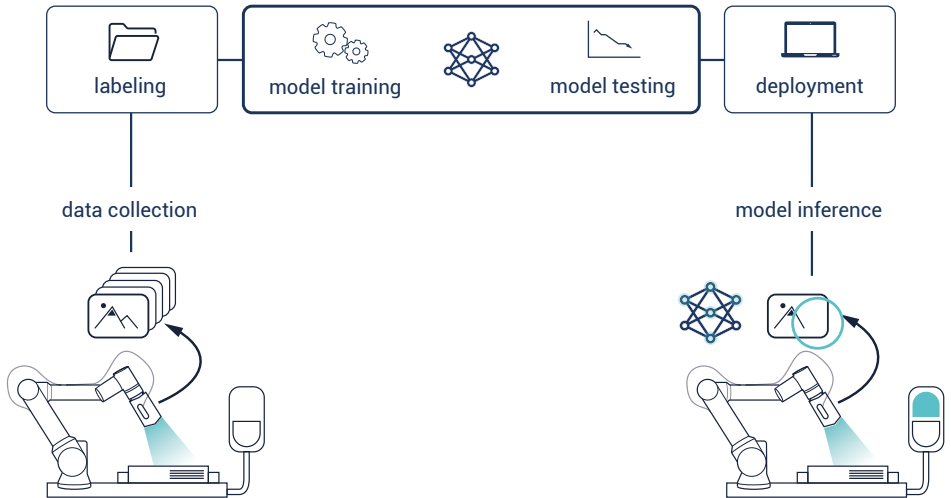
Inference Dashboard



Modular & Scalable

From Image to Model: Training and Deployment

RCV Toolkit's embedded open interfaces support acquisition of training images directly at the source. The intuitive annotation tool facilitates collaborative labeling whilst the No-Code GUI empowers the user to effortlessly create and evaluate AI models that subsequently can be deployed to the shop floor.



**Audit proof
Archival**



**Fast
Deployment**



**Collaborative
Workspace**



**On-premises,
Cloud, Hybrid &
Edge**

References

Inline Crack Detection at Press Shop

Rejection rate reduction of faulty components by a factor of ten. Identification of pseudo faults that pinpointed anomaly manifestation in earlier process steps.

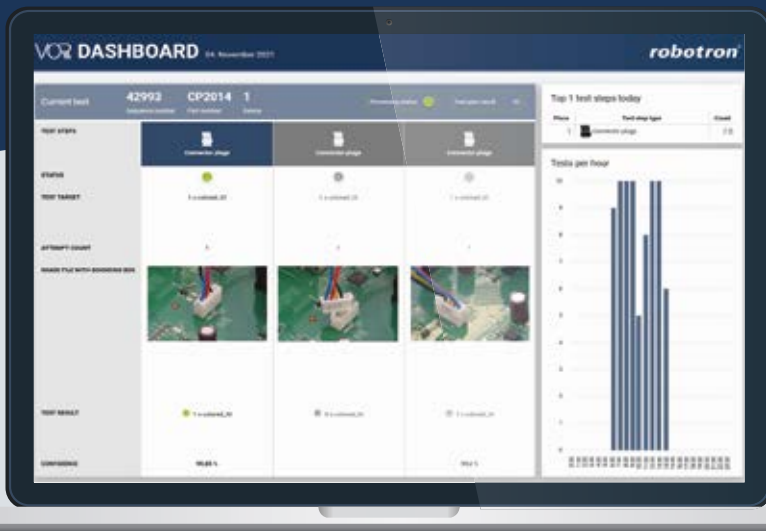


Machine Learning Supported Cobots for Agile Manufacturing Plants

Versatile multi component inspections using camera mounted cobots and AI comprising edge devices. Quickly scalable solution that synchronizes with production ramp-up, ramp-down or alterations.



wandelbots



Our partners

RCV Platform has successful collaboration with partners in Platforms & Technology, Hardware Solutions and Research & Science.



Robotron Datenbank-Software GmbH
Headquarters

Stuttgarter Straße 29
01189 Dresden
Phone: +49 351 25859-0
E-Mail: info@robotron.de
www.robotron.de/en

Robotron Datenbank-Software GmbH
Training Center

Heilbronner Straße 21
01189 Dresden
Phone: +49 351 25859-2660
E-Mail: schulung@robotron.de
www.robotron.de/en/training-center

Switzerland

Robotron Schweiz GmbH
Zürcherstrasse 65
9500 Wil
www.robotron.ch

Czech Republic

Robotron Database Solutions s.r.o.
Rohanské nábřeží 678/23
186 00 Praha 8 – Karlín
www.robotron.cz

Russia

000 Robotron Rus
Tverskaya ul. 16, Eingang 1
125009 Moskau
www.robotron-rus.ru

Are you an innovation driver
looking to leverage AI for
improving quality inspections
in industrial manufacturing?

**CONTACT
US!**

