

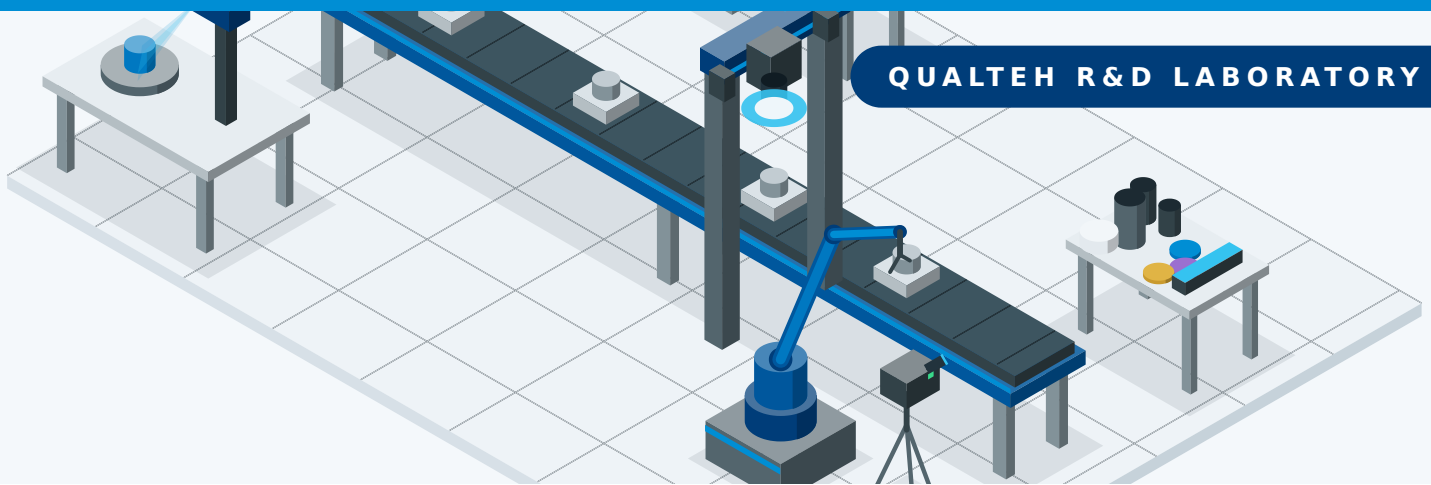


AI

Industrial AI, **proven in the lab** before it reaches your line

QLAB is QUALTEH's research & development laboratory for industrial visual AI and custom AI agents — fully equipped with industrial hardware, expert engineers and the latest AI models.

- **lab-tested proofs of concept on your real parts**
- **industrial visual AI with VISYA** • **custom AI agents with SYA**



A complete industrial AI environment

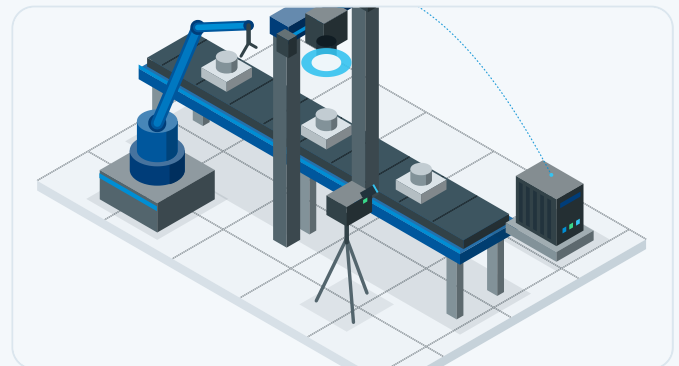
In QLAB we reproduce your production conditions — **parts, motion, optics, lighting and compute** — and take your project to a lab-validated proof of concept before rollout. No disruption to your plant, no risk on your line.

LAB EQUIPMENT

- ✓ **Industrial edge AI server** — GPU compute for model training & inference
- ✓ **Industrial edge AI computers** — production-class rugged devices
- ✓ **Robot arms** — automated handling & part presentation
- ✓ **Conveyors** — real production flow and speeds
- ✓ **Industrial 2D cameras** with precision lenses & filters
- ✓ **Industrial lighting** — ring, bar, dome & structured light
- ✓ **High-precision 3D scanner** — sub-millimetre metrology
- ✓ **Inspection stands & tables** — repeatable positioning

EXPERTISE & SOFTWARE

- ✓ Engineers highly trained in **software, optics, AI & engineering**
- ✓ **Latest neural network architectures** — detection, segmentation, anomaly detection, agentic AI
- ✓ **AI models trained custom** on every project's real parts
- ✓ **Excellent technology stack** — from image acquisition to MES/ERP integration



From your part to a validated PoC

1 Discovery & feasibility

We analyse your process, parts and quality goals, and define measurable success criteria.

2 Lab cell setup

We build your inspection cell: cameras, optics, lighting, motion and edge compute.

3 Custom AI training

We capture data on your real parts and train dedicated, state-of-the-art AI models.

4 Lab-tested proof of concept

The full solution runs end-to-end on industrial hardware, validated against the criteria.

5 Production rollout

Only then do we deploy to production — predictably, with minimal disruption.

POWERED BY SYONEEX.AI

COMPUTER VISION AI

VISYA

Quality inspections, OK/NOT OK decisions, monitoring and data analysis for continuous improvement — 24/7, at any scale.

AI AGENT

SYA

Custom AI agents giving employees, partners and customers direct access to your systems, documentation and knowledge.



Bring your part to QLAB. Leave with proof.

Tell us about your inspection challenge or automation idea. We will set it up in our laboratory, run it on your real parts with industrial hardware, and show you exactly what AI can do for your production — before you invest in rollout.



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