AI FOR MANUFACTURING

See every part. Trust every result.

Gorad builds AI software for factories. It inspects every part with cameras, connects your machines and keeps your quality on record, all inside your own plant.



Illustration

See
Cameras and AI check every part. Anything doubtful is rejected, never passed.

Connect
Counts, stops and alarms read straight from your machines.

Improve
Process control, non-conformances, OEE, maintenance and traceability.

Manual inspection drifts

People get tired, standards vary between shifts, and nothing records why a part was passed.

Vision projects are fragile

Every change needs the original integrator, and a fault can quietly pass parts that should have been rejected.

Machine data stays in the PLC

Counts, stops and alarms stay on the machine, so OEE and quality reports are built by hand.

FAIL-CLOSED BY DESIGN

Bad parts don't slip through when something breaks

A part is OK only when every camera view reports OK. Errors, timeouts and missing views all mean NG (rejected), and the result is written down before the machine hears it.

01
Trigger
The PLC signals a part. Line safety is checked on every trigger.

02
Capture every view
Each camera runs the checks in the signed program.

03
A view faults
A camera times out. A missing result counts as a failed one.

04
Write the record
Verdict, image and reason are saved first.

05
NG to the PLC
Only then does the machine get the result.

WHAT YOU CAN COUNT ON

- **Every decision has proof.** Image and reason saved for every part.
- **Change it yourself.** Adjust inspections from a browser. No vendor visit needed.
- **Works without the internet.** Runs inside your plant. Your data stays with you.
- **Start small, grow later.** One station first. Add more later.

Who builds it



Gokulramesh Dhanasekar, founder, has built and deployed more than 30 production vision inspection systems in aerospace, automotive and heavy engineering.

Gorad Pvt Ltd · Bengaluru, India · worldwide

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Start with one app. Grow without replacing anything.

The Gorad Factory Platform is one shared core with apps on top. Use one, or all of them together.

SEE

Gorad Vision

AI visual inspection that rejects anything doubtful, with a PLC handshake and signed programs.

CONNECT

Gorad Connect

Reads PLCs and meters (Modbus TCP, Siemens S7, OPC UA) and keeps every event through network drops.

SHARED

Platform Core

One login, roles, offline licence, plant structure, audit trail, updates and backup.

IMPROVE · QUALITY

Quality apps

SPC · NCR / CAPA · Calibration & MSA

IMPROVE · PRODUCTION

Production apps

Line Performance (OEE, Andon) · Maintenance · Tool & Fixture Life

IMPROVE · COMPLIANCE

Compliance & logistics

Traceability · Label & Dispatch · Skills & Training

All apps are in early access: built and tested in software, and being proven with pilot plants.

BUILT FOR THE PARTS YOU MAKE

Automotive & components

- Connecting rods
- Catalysts & filters
- Bearings

Electronics & power electronics

- PCB assemblies
- IGBT modules

Aerospace & heavy engineering

- Fasteners & holes
- Part marking
- Castings & welds

Building materials

- Bricks and blocks
- Surface damage

Packaging & logistics

- Labels
- Codes and text
- Counts

Pharmaceuticals

- Vials & syringes
- Blister packs
- Labels & codes

Any discrete part: defects and surface damage, presence and count, measurement, codes and text, variant and orientation, sorting.

HOW WE WORK: FROM FIRST CALL TO A RUNNING LINE

01 **Study & analysis**
Is Gorad the right fit?

02 **Concept & pricing**
A clear, transparent proposal.

03 **Hardware & installation**
Cameras, lighting and PC on your line.

04 **Data & training**
Rules first, AI where needed.

05 **Deployment**
Signed program, PLC connected.

06 **Testing**
Proof it works, and fails safely.

07 **Production & support**
Your team runs and changes it.

BUILT FOR PLANTS

- On-premise and fully offline: appliance, VM or your server
- Signed programs, roles and an append-only audit trail
- GenICam / GigE Vision and USB cameras

Let's look at your line

Book a demo or apply for the pilot programme. Tell us what you make and what goes wrong, and we will tell you honestly what Gorad can do.

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