



# Transform life sciences production and quality with Smart Factory

Modernize and optimize your Production processes to drive higher quality and efficiency.

Increase productivity and improve manufacturing reliability using Google Cloud AI-enabled capabilities. **Improve the manufacturing efficiency for drugs and devices with data-driven insights.**

Visual Inspection for Production Processes is an AI/ML-powered solution that helps ensure product quality, increase throughput, and reduce costs. By using cameras to detect defects, manufacturers are able to accelerate and automate quality assurance processes for complex products like drugs, devices and medical supplies.

Life sciences organizations can increase overall equipment efficiency by **50-100%** by using **AI to optimize predictive maintenance and quality control**<sup>1</sup>

Adoption of **digital strategy and AI technologies** is expected to accelerate innovation by **2x** in the next 3 years<sup>2</sup>

## Smart Factory enables holistic visibility into factory operations

-  Transform life science manufacturing with Predictive Maintenance AutoML Vision, which helps predict and prevent outages, reduce rejects, and increase safety
-  Utilize Predictive Analytics for Supply Chain Management to ensure holistic visibility and better forecasting

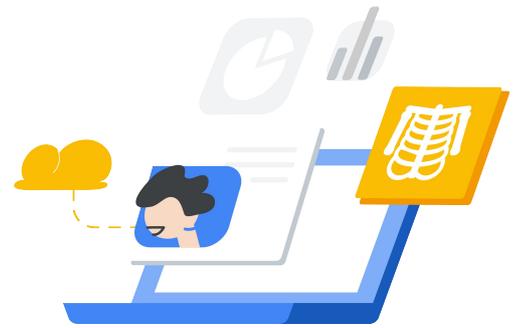
## Visual Inspection for product conformance checks

-  A core use case for life sciences manufacturers in **quality control** that can be implemented with **limited effort**
-  Supports automated model training as well as **low latency** and **high accuracy** inference at the **edge**

<sup>1</sup> [Operations Can Launch the Next Blockbuster in Pharma, February 2021](#)  
<sup>2</sup> [Manufacturers With AI to Nearly Double Competitiveness, April 2019](#)

# The Coral solution helps build products that are efficient, private, fast and offline

Coral enables Local AI that can help reduce healthcare costs by enabling better quality control, reduce defects and boost efficiency



Coral can maximize throughput and increase safety in manufacturing processes

## Quality Control

Quality control in manufacturing can be complex, especially where high precision is needed. Components defects are difficult or impossible for human eyes to see, which makes the error rate on this type of inspection very high.

## Predictive Maintenance

Coral incorporates features that monitor and analyze machine behavior and warn of impending failures. That can inform a system of predictive maintenance to avoid expensive downtime.



### Best-in-class security

from device to data center to help protect mission-critical data, infrastructure, and users



### Hybrid and multi-cloud solutions

 to enable choice

### Fully automated operations

 to make cloud easy to use

### Advanced embedded AI and ML capabilities



### Integrated Google capabilities

 across solutions and partners

## Ready to start your journey?

[Schedule time to chat](#) with your Google Cloud representative