



Damaged Biscuits in Packaging

Challenge:

A leading biscuit manufacturer faced challenges in packaging. With high production rates of 12,000+ biscuits per minute, manual defect detection led to worker fatigue and unreliable detection rates, posing consumer risks.

Solution:

We implemented a scalable quality inspection solution that included software and Deep Learning AI for defect detection in biscuit production. Our AI/ML Engine analyzed **400+** images per camera per minute and integrated with automatic rejection systems to remove defective biscuits.

Impact:



Resulted in negligible wastage by achieving **0.01%** false positive rate.



Provided the company with **USD 25K** in annual cost savings from avoiding distributor returns.

About Gramener

Gramener - a Straive company is a design-led data science firm. We build custom Data & AI solutions that help solve complex business problems with actionable insights and compelling data stories. We partner with enterprise data and digital transformation teams to improve the data-driven decision-making culture across the organization.

Our open standard low-code platform, Gramex, rapidly builds engaging Data & AI solutions across multiple business verticals and acts like an accelerator for utilizing and optimizing cloud native services. Our solutions, technology and cloud data engineering services have been recognized by analysts such as Gartner and Forrester and have won several awards.