

AI-powered Visual Quality Control System

Automate your production line quality control with smart cameras and sensors

03/07/2023



Automate the quality control of your systems and get real-time information

beanTech's Quality Control System introduces Artificial Intelligence into production processes to support operators on the field in visual quality control, enhance production efficiency and reduce scrap material.



CHALLENGES

Implementing comprehensive quality control measures and streamlining production processes can lead to the acquisition of defect-free products, improving customer satisfaction and brand reputation.

By investing in advanced technologies and optimizing production methods, manufacturers can simultaneously reduce the number of defective products and increase production rates, meeting growing demand efficiently while maintaining high-quality standards.

IDEAL SOLUTION

The ideal solution encompasses non-invasive installation, allows for seamless integration into existing systems, and enables continuous monitoring and real-time data analysis.

Furthermore, it emphasizes the development of experiential knowledge that can be utilized to enhance the performance of artificial intelligence systems, leading to iterative improvements.

DESIRED OUTCOMES

The ideal solution involves leveraging AI-powered cameras and sensors to assist operators in repetitive tasks, boost continuous monitoring and data analysis.

This system continuously learns and improves by monitoring its own performance and is able to refine its capabilities over time.



AI-powered Visual Quality Control

Offers a solution that introduces fully automated quality control in production. Boost your plant's productivity thanks to the optimization assured by AI.

1

Production Optimization

A smart quality control enables enhanced efficiency, error detection, and timely decision-making.

2

Absolute Product Quality

Achieve a substantial improvement in product quality through precise inspection, identification of defects, and prompt corrective action

3

MLOPS cloud solution

Based on Microsoft Azure Services, enable the cooperation among users to annotate and develop cutting edge AI models for utmost performances

beanTech Srl presents bTEye based on Microsoft technologies

bTEye technological stack is deeply linked to Microsoft state-of-the-art technological components:

big data image storage and Deep Learning algorithms ML OPS are built on top of Microsoft Azure Cloud services.

Coupled with on prem industrial hardware for real time inference, this solution brings production plant one step above competition, by giving your business the right tools for high scalability, best adaptability and maximum flexibility.

SCALABILITY

beanTech bTEye's infrastructure can be kept on-prem or live in the Cloud thanks to Azure HCI Stack and Azure Cloud Services.

ADAPTABILITY

Different data sources are collected, persisted and processed in order to find out the most challenging and hidden correlations in processes.

FLEXIBILITY

beanTech bTEye enables the integration of different technologies to interact with plant hardware to distill each drop of information value

Automate your plant's visual quality control with beanTech

For more information:

Website: <https://www.beantech.it/>

Email: azure@beantech.it

