



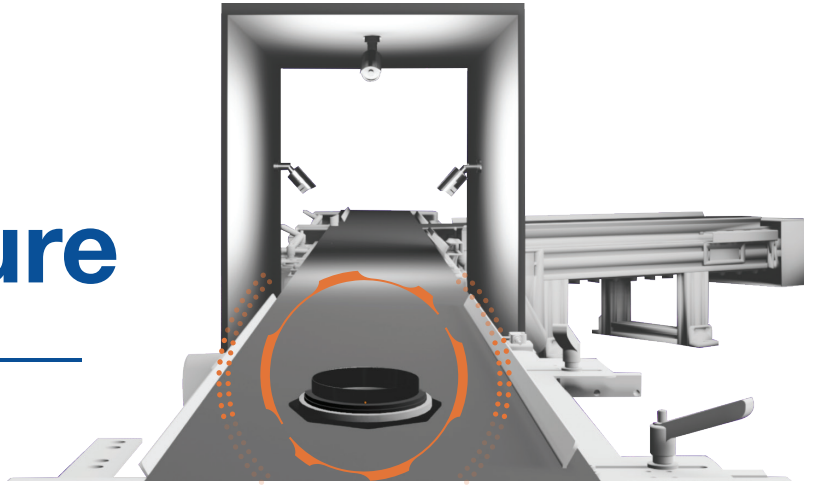
Technosoft Engineering

Innovation ★ Reliability ★ Flexibility

NXT QualSure

VISION-BASED DEFECT DETECTION SOLUTIONS

POWERED BY AI/ML FOR PRECISION AND EFFICIENCY

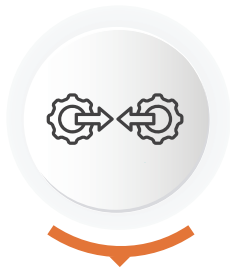


Technosoft's NXT QualSure AI/ML-powered defect detection system is versatile and adaptable, making it ideal for a wide range of industries. Its ability to process vast amounts of data in real-time allows for precise defect identification across diverse production environments, from complex manufacturing lines to intricate electronic components. The system can be customized to meet industry-specific requirements, such as identifying surface defects in manufacturing, detecting flaws in electronics, or spotting contamination and packaging errors in the food and beverage.

FEATURES



**Real-Time
Monitoring**



**Multi-Industry
Compatibility**



**User-Friendly
Interface**



**Data Analytics
Dashboard**



**Cost
Effective**

BENEFITS OF NXT QUALSURE AN AI/ML-BASED DEFECT DETECTION



**Increased
Accuracy**

Identifies even the most subtle defects that human eyes can miss, ensuring high product quality.



**Real-Time
Detection**

Immediate analysis and response, reducing production delays and minimizing costly errors.



**Automated
Sorting**

Integrates with robotic systems to automatically remove defective items from production.



**Cost
Efficiency**

Reduces the need for manual inspections, saving labor costs and minimizing waste.

CONTACT US

 Shailendra Saraf

 +91-96994-94683

 ssaraf@technosofteng.com

 www.technosofteng.com

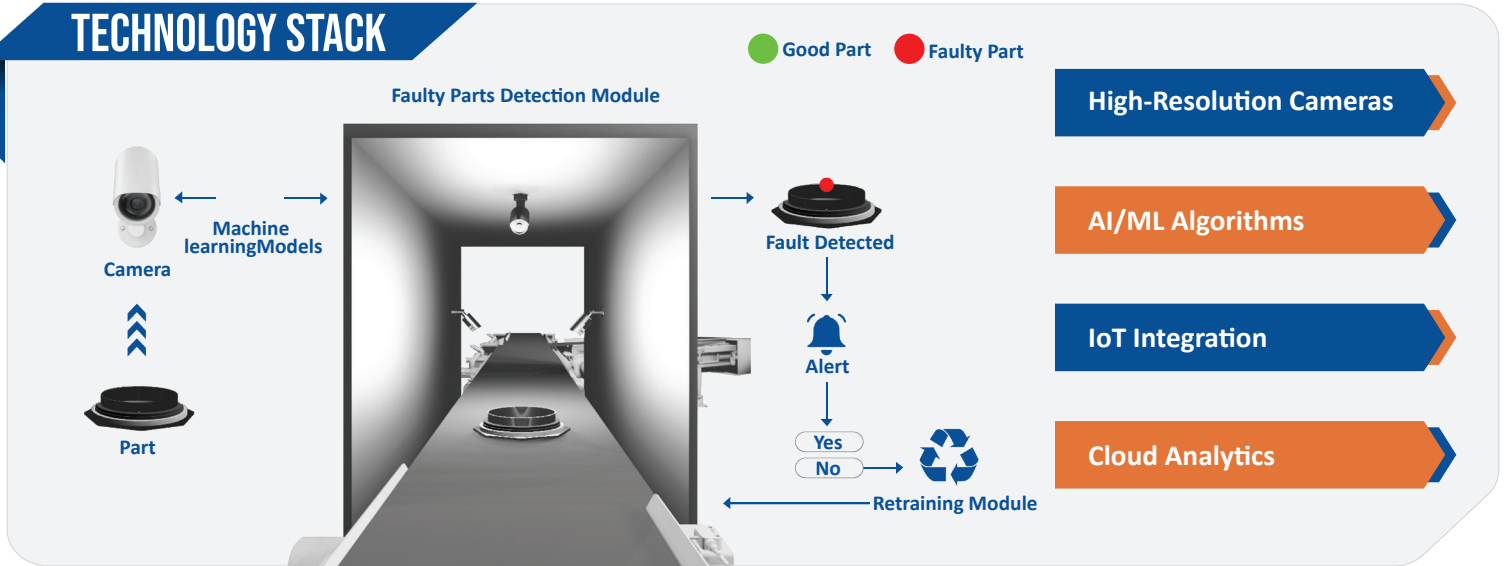


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CUTTING-EDGE TECHNOLOGY BEHIND THE SYSTEM

TECHNOLOGY STACK



AI/ML ADVANTAGES



Continuous Learning

Our AI models evolve with each production cycle, improving accuracy and adapting to new defect types.



Predictive Insights

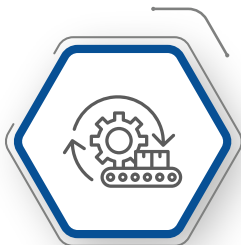
Leverages historical data to predict potential defects before they occur, reducing downtime.



Speed and Efficiency

AI-driven defect detection is faster and more consistent than traditional methods, leading to increased throughput and production efficiency.

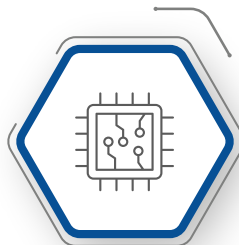
APPLICATION AREAS



Manufacturing



Automotive



Electronics



Textile



Food & Beverage

ABOUT TECHNOSOFT

Technosoft Engineering is a global provider of Digital, Product, and Manufacturing Engineering services. We support industries like Transportation, Industrial Products, Process Industry, Medical Equipment, Energy, and Furniture, with over 800 engineers worldwide. Our five core services include Engineering, Consulting, R&D, Automation, and Content Management. We are committed to building a sustainable and eco-friendly future.

CONTACT US

Shailendra Saraf

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ssaraf@technosofteng.com

www.technosofteng.com