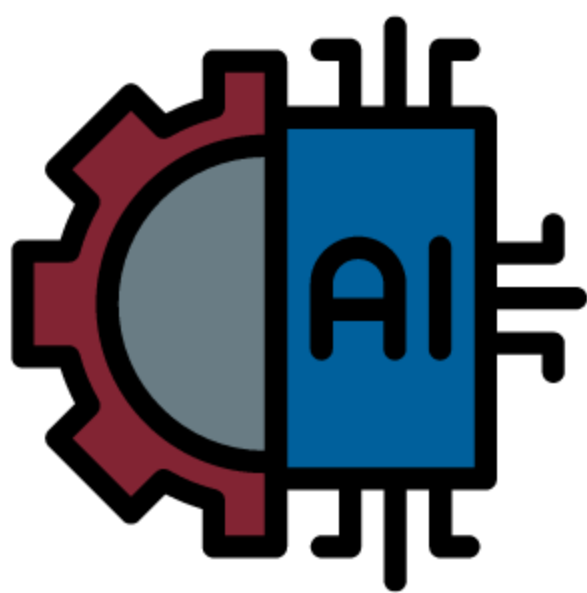


# 5 Trends in Quality Control for FOOD MANUFACTURING

## 1 Advanced Tech Prevails

Integrating AI, IoT, and advanced analytics is enhancing quality control through real-time monitoring. Manufacturers are adopting controlled environment agriculture (CEA) techniques like hydroponics and vertical farming.



## 2 Food Quality 4.0

Food Quality 4.0 uses Industry 4.0 technologies to improve food safety and quality, utilizing big data analytics to identify patterns that enhance production processes.

## 3 Sustainable and Ethical

Consumers are demanding transparency in food origins, prompting manufacturers to adopt traceability tools to verify ingredient authenticity and sustainability.



## 4 Audits & Analytics

Digital tools with real-time data and predictive analytics enhance quality audits, allowing continuous monitoring and early issue detection.

## 5 Consumer Health

As consumer demand for healthier options grows, food manufacturers like Mother Earth Products focus on non-GMO, preservative-free, and allergen-safe nutraceuticals.

