

Recommended food and beverage solutions

Fluke Connect

- Best suited for:**
- Simplifying preventive maintenance programs
 - Seamlessly integrating tool data into software
 - Diagnosing asset health in the field
 - Cloud-based data sharing



Thermal imagers

- Best suited for:**
- Detection of “hot spots” on motors, pumps, VFDs, bearing and conveyor belts
 - Monitoring refrigerator and freezer compartments
 - Inspection of power distribution, fuse boxes, insulators, transformers and other electrical system components
 - Assuring temperature tolerances during transportation of perishables



Fluke Calibration

Best suited for:
Ensuring the accuracy and quality of electrical, temperature, pressure, flow measurements for manufacturing industries tools.



For more information visit www.FlukeCal.com

Vibration tester

- Best suited for:**
- Predictive and condition-based maintenance
 - Identifying root cause and diagnosing severity of machine's condition
 - Prioritizing critical repair and replacement options
 - Use with motors, pumps, fans, compressors, belt/chain drives, gearboxes and spindles



Process test tools

- Best suited for:**
- Maintenance and calibration of process instruments and control system I/O
 - Measuring, sourcing and simulating 4-20 mA control loops



Power quality analyzers

- Best suited for:**
- Use with motors, pumps, compressors and electrical panels
 - Perform load studies to optimize energy consumption
 - Troubleshoot and prevent problems in the electrical distribution system and individual loads



Insulation multimeters

- Best suited for:**
- Insulation resistance tests
 - Preventative maintenance and troubleshooting
 - Determining integrity of windings or cables in motors, transformers, switchgear and electrical installations
 - Preventative maintenance plans with insulation inspection to increase asset life, reducing unplanned downtime and ensuring safe equipment operation per industry standards



Industrial Ethernet Cable+Network testers

- Best suited for:**
- Ethernet/IP, PROFINET, EtherCAT cable performance testing
 - Troubleshooting network cabling
 - Troubleshooting network connections



Acoustic imagers

- Best suited for:**
- Detection of compressed air, gas and vacuum leaks
 - Fast, easy, early detection with clear images pinpointing potential issues, during normal operation hours, over a large area quickly and safely with non-contact



Food and Beverage Solutions

Fluke can help you save time, manage processes and increase productivity

Today's food and beverage manufacturers operate in a pressure cooker. Keeping the lid on production costs and energy expenditures can be a daily challenge. Regulatory requirements, safety issues, and the demands of maintaining uptime add another layer of complexity.

Fluke has solutions to minimize waste, optimize equipment, prevent downtime and reduce energy consumption. Fluke tools are the industry standard against which other tools are measured.

Automation Controls
Technician/Engineer

- Issues faced:
- System configuration, optimization and analytics
 - Minimization of system/line downtime
 - Process and system integration
 - Technology integration
 - Industrial Ethernet commissioning and troubleshooting

- Fluke solutions:
- Fluke Connect
 - Process test tools
 - Pressure gauges and calibrators
 - Multifunction process calibrators
 - Portable oscilloscopes
 - Digital multimeters
 - Power quality analyzers
 - Clamp meters
 - Vibration tester
 - Acoustic imagers
 - Industrial Ethernet Cable+Network tester
 - Calibrators*
- *Regularly calibrate the tools used to ensure they are working within their specifications

Electricians/Electrical Engineers

- Issues faced:
- Efficient, consistent power delivery
 - Power installation and reworks
 - Troubleshooting electrical equipment

- Fluke solutions:
- Fluke Connect
 - Process test tools
 - Power loggers
 - Power quality analyzers
 - Digital multimeters
 - Insulation multimeters
 - Infrared thermometers
 - Thermal imagers
 - Calibrators*
- *Regularly calibrate the tools used to ensure they are working within their specifications

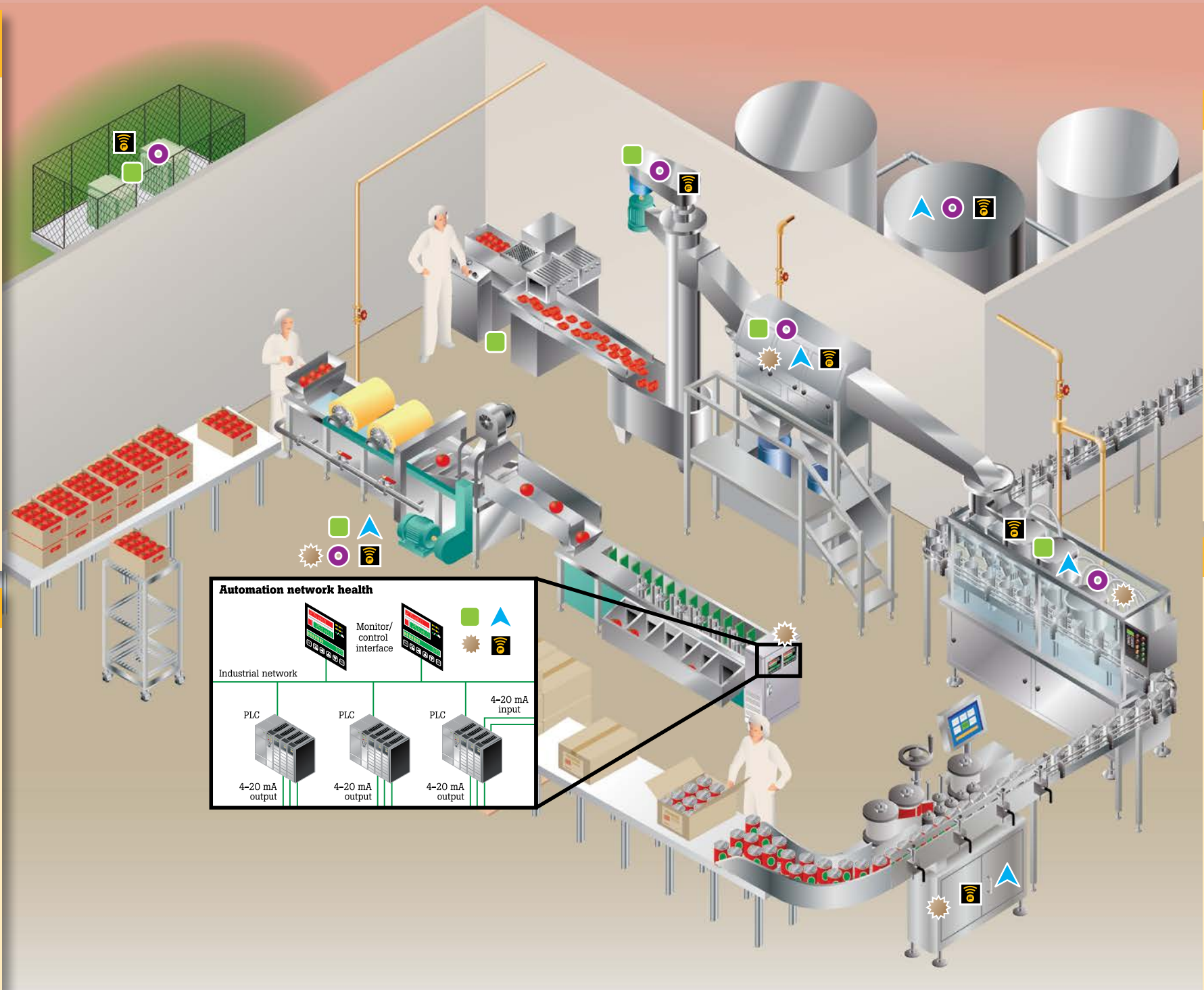


Diagram is not intended to be an exact representation.
Diagram components are not to scale and are for illustration purposes only.

Maintenance Manager

- Issues faced:
- Ongoing demand to reduce operating costs
 - ROI of resources
 - Increasing plant productivity
 - Ensure that FDA food safety standards are met (FSMA)

- Fluke solutions:
- Fluke Connect
 - Indoor air quality
 - Power loggers
 - Power quality analyzers
 - Digital multimeters
 - Thermal imagers
 - Acoustic imagers
 - Calibrators*
- *Regularly calibrate the tools used to ensure they are working within their specification

Mechanics/Maintenance Technicians

- Issues faced:
- Troubleshooting equipment
 - Servicing complex systems and machinery
 - Electro-mechanical installation and maintenance

- Fluke solutions:
- Fluke Connect
 - Indoor air quality
 - Digital multimeters
 - Clamp meters
 - Insulation multimeters
 - Infrared thermometers
 - Vibration tester
 - Thermal imagers
 - Alignment tool
 - Acoustic imagers and thermal profiling
 - Industrial Ethernet Cable+Network tester
 - Calibrators*
- *Regularly calibrate the tools used to ensure they are working within their specifications

Food and beverage processing

See how Fluke solutions can save you time and money while increasing your productivity at www.fluke.com

Network		Process Calibration Tools				Electrical Test Tools						Thermal, Acoustic, and Vibration Tools						Air Quality	Software
Industrial Ethernet Cable+Network tester		Multifunction process calibrators		Pressure gauges and calibrators	Process test tools	Power quality analyzers	Portable oscilloscopes	Power loggers	Clamp meters	Insulation multimeters	Digital multimeters	Acoustic imager	Thermal imagers	Infrared thermometers	Thermal profiling	Vibration tester	Alignment tool	Indoor air quality	Maintenance software
																			
MS-PoE LinkIQ-IE		754 726		700G 729	773	1777	190 Series III	1738	378 FC	1587 FC	87V MAX	ii910	TiX580 Ti480 Pro	62 MAX+	Food Tracker®	810	831	985	Fluke Connect®