

## 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



### 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



### 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



### 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



### Network cable testers

#### Best suited for:



- Reducing unplanned downtime by verifying cabling performance before startup and troubleshooting cable failures



### Acoustic imagers

#### Best suited for:



- Detection of compressed air, gas and vacuum leaks.
- Inspection of compressed gas systems used in Modified Atmospheric Packaging (MAP)
- Detection of leaks in compressed gas systems where the gases are used as additives in food and beverages



### 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](http://www.FlukeCal.com)



## Food and Beverage Solutions

**Fluke.** Keeping your world up and running.®

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## 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

- 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
  - Network cable testers
  - 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

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 specifications

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
  - Network cable testers
  - Calibrators\*

\*Regularly calibrate the tools used to ensure they are working within their specifications

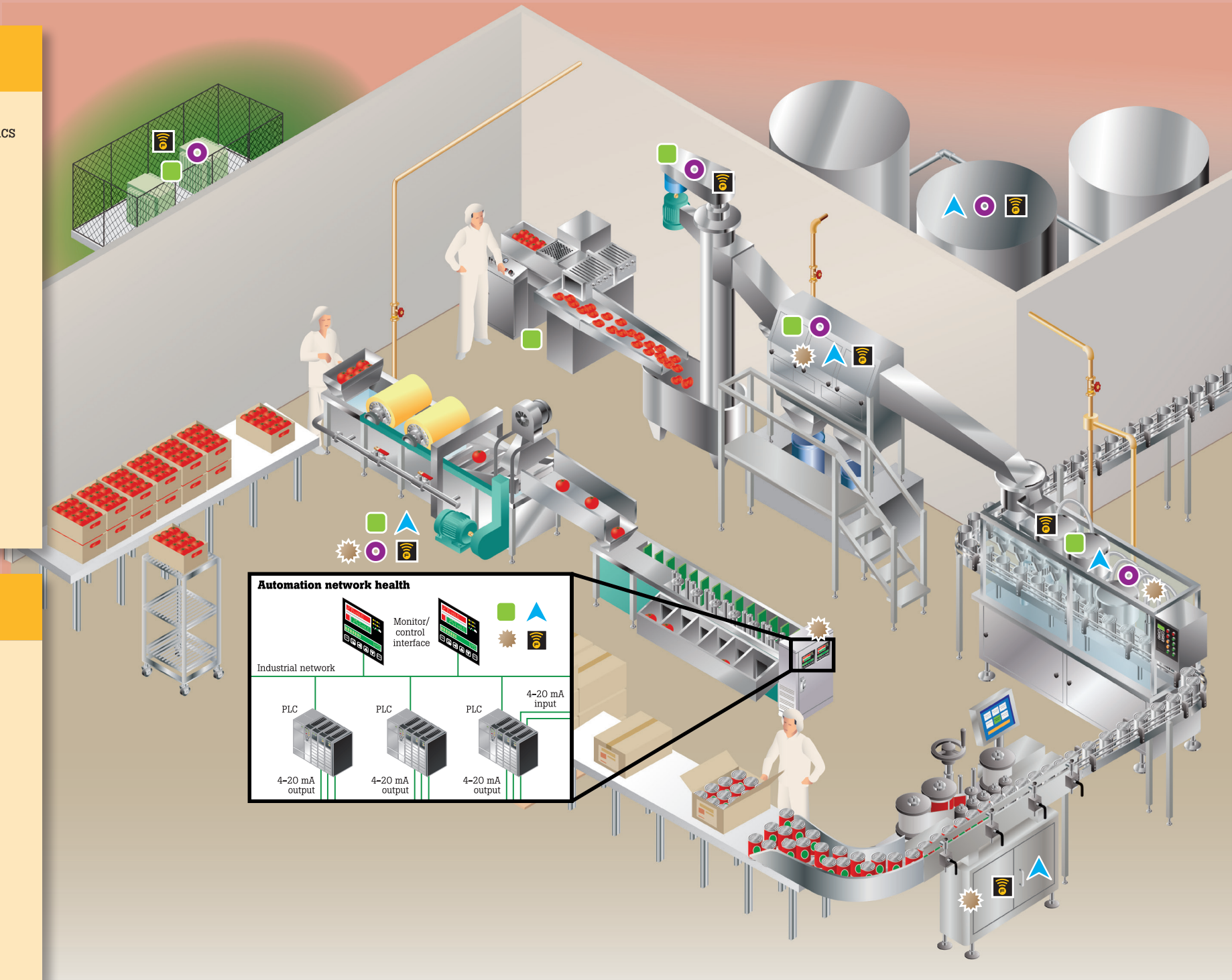














Diagram is not intended to be an exact representation.  
Diagram components are not to scale and are for illustration purposes only.

Food and beverage processing

Learn how Fluke solutions can save you time and money  
while increasing your productivity at [www.fluke.com](http://www.fluke.com).

Network	Process Calibration Tools			Electrical Test Tools							Infrared and Vibration Tools					Air Quality	Software
Network Cable Testers	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	Vibration tester	Alignment tool	Indoor air quality	Maintenance software
 MS-PoE CableIQ™ Versiv	 754 726	 700G 729	 773	 430 Series II	 190 Series II	 1738	 376 FC	 1587 FC	 87V MAX		 ii900	 TiX580 Ti480 Pro	 62 MAX+	 810	 830	 971	 Fluke Connect®