



FLUKE®

Test and measurement solutions for the machinery, instrumentation, and appliances manufacturing industries.

Fluke solutions can help you maintain production reliability and asset uptime

Fluke understands that machinery, instrumentation, and appliances manufacturing industries face a wide range of challenges. From machine uptime to production safety, it's critical to keep operation and production flow at peak performance.

Fluke solutions are available in every location across your production floor including rugged tools for field service, R&D testing, facilities maintenance, electromechanical systems, motors and drives, and electrical networks. Fluke makes reliable tools that professionals in the manufacturing industries can count on for accurate and consistent measurements to keep your facility up and running.

Manufacturing Engineer

Issues faced:

- Monitoring consistent quality power loads
- Ensuring continuous predictable uptime and downtime
- Setting up production process and instructing maintenance technician to do preventive maintenance or repairs
- Establishing plant and personnel safety

Fluke solutions:

- Fluke Connect®
- Infrared cameras
- Vibration testers
- Power quality analyzers
- Clamp meters

Maintenance Technician

Issues faced:

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

Fluke solutions:

- Fluke Connect®
- Digital multimeters
- Electrical testers
- Clamp meters
- Insulation meters
- Process Tools
- Infrared cameras
- Vibration/alignment testers

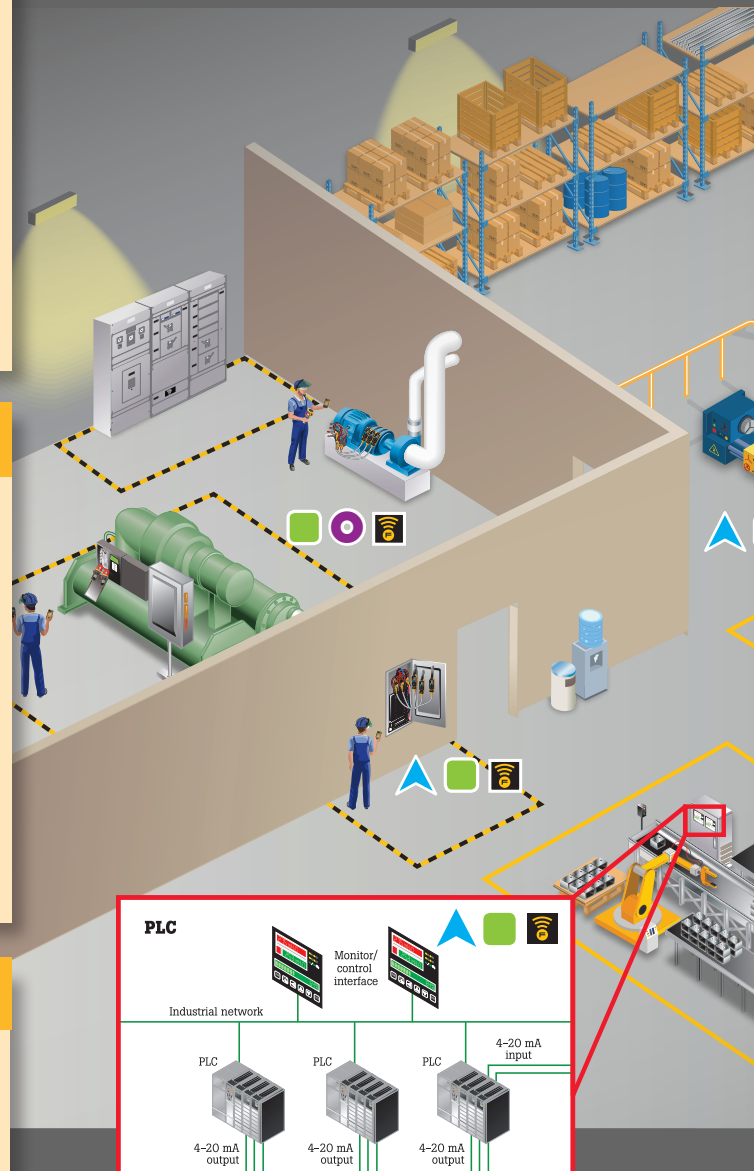
Automation/Control Engineer

Issues faced:








- System configuration optimization, and analytics
- Controlling system downtime
- Commission, test and troubleshoot analog and digital I/O

Fluke solutions:

- Fluke Connect®
- Handheld oscilloscopes
- Digital multimeters
- Clamp meters
- Process tools



Fluke manufacturing solutions

Process Calibration Tools			Electrical Test Tools			
Process test tools	Pressure testing	Multifunction testing	Power quality analyzers	Clamp meters	Digital multimeters	Handheld oscilloscopes
 789 773	 700G	 726	 430 Series II	 376 FC	 3000FC	 190 Series II

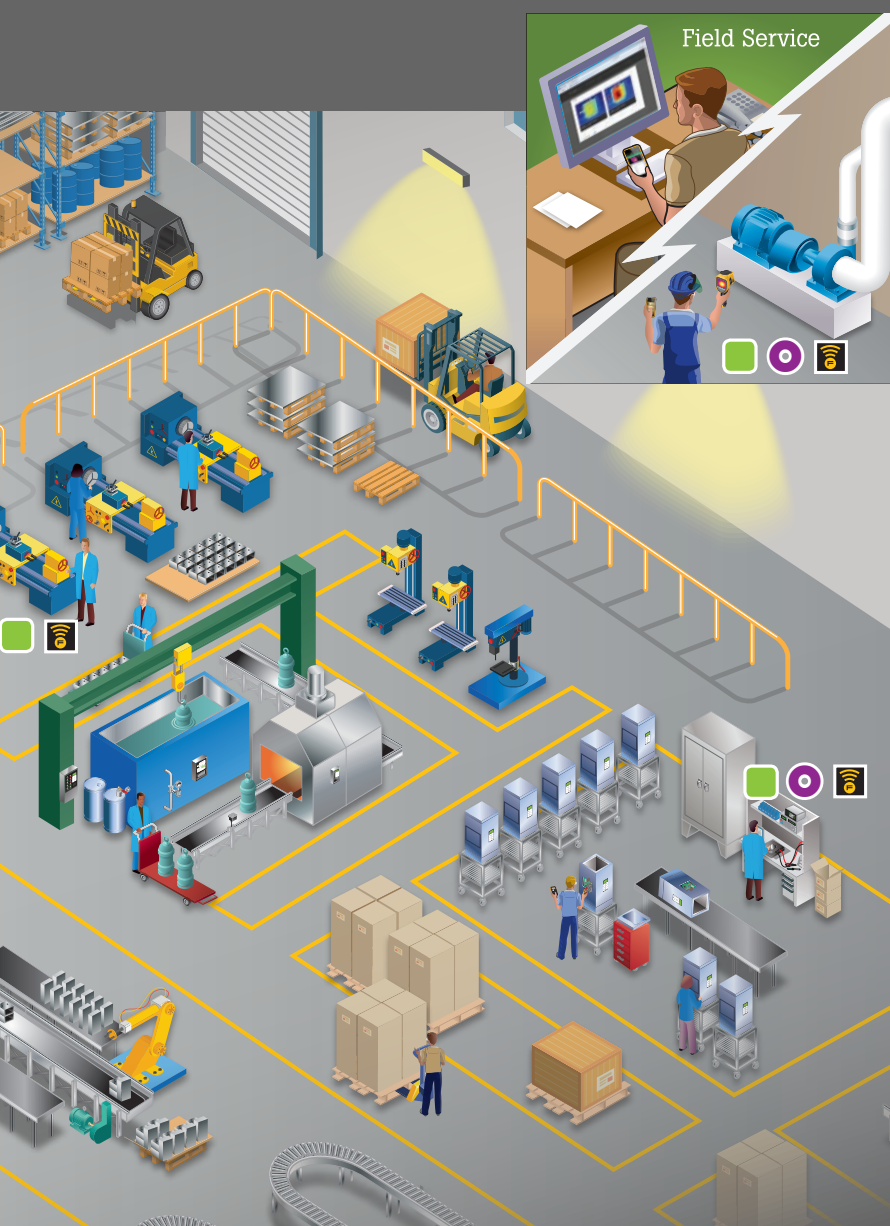


Diagram is not intended to be an exact representation.
Diagram components are not to scale and are for illustration purposes only.

Field Service Technician

Issues faced:

- Emergency calls for equipment downtime
- Diagnostic procedures on complex systems
- Getting the machinery on line as fast as possible

Fluke solutions:

- Fluke Connect®
- Power quality analyzers
- Clamp meters
- Digital multimeters
- Handheld oscilloscopes
- Installation testers
- Infrared thermometers
- Vibration/alignment testers

Reliability Engineer





Issues faced:

- Preventive maintenance and asset uptime
- Benchmarking and root cause analysis to prevent future failures
- Troubleshooting emergent issues

Fluke solutions:

- Fluke Connect®
- Insulation multimeters
- Power quality analyzers
- Infrared windows/cameras
- Vibration testers
- Visual IR thermometers
- Process tools

Learn how Fluke solutions can save you time and money while increasing efficiency and safety at www.fluke.com

Infrared and Vibration Tools					Software
Insulation multimeters	Installation tester	Infrared thermometers	Infrared camera/IR windows	Vibration and alignment testers	Fluke Connect® Assets
 1587 FC	 1664 FC	 64 Max	 Ti400 CV Series	 810 820-2 830	

Recommended manufacturing solutions

Insulation testers

Best suited for:

Insulation resistance and digital multimeter tests including simple spot checks to times tests, troubleshooting, preventive maintenance, testing voltages from 50 V to 5000 V



Digital multimeters

Best suited for:

Quick voltage measurements in environments with both AC and DC or ghost voltages, VSD motor drive installation and troubleshooting



Infrared cameras

Best suited for:

Providing non-contact measurements for identifying potential problems in steam traps (leakage), electrical panels, motors, VFDs, tank levels, refractory, furnaces, reformers, transformers and pumps



mA process clamp meters

Best suited for:

Control loop calibration, maintenance and repair, includes mA measurement with clamp, mA sourcing and simulation; source and measure DC voltage



Power quality analyzers

Best suited for:

Finding power quality problems; troubleshooting generators; identifying harmonics (electronics); performing load studies



Handheld oscilloscopes

Best suited for:

Troubleshooting and installation of pumps, compressors, motors, fans, and blowers; bus health testing for industrial bus systems



Wireless software

Best suited for:

Working between skill levels for troubleshooting help, diagnosing asset health analysis in the field, predictive and preventive maintenance, and work order approval



Infrared thermometers

Best suited for:

Gathering surface temperature readings for inspection of heating, motors, HVAC, and circuit breakers



Vibration and alignment testers

Vibration suited for:

Diagnosing machine fault issues on pumps, compressors, motors, fans and blowers



Stroboscope suited for:

Performing RPM diagnostics on machinery, detecting details issues on moving parts & identifying defects



Alignment suited for:

Correcting misalignment with an intuitive interface for all skill levels with coupling results and feet corrections in real time



Process tools

Best suited for:

Maintenance and calibration of process instruments and control system I/O; measuring, sourcing and simulating 4-20 mA control loops



Clamp meters

Best suited for:

Measure 1000 A ac or dc in motors, pumps, compressors, fans, blowers, vaults and bus bars; measure loads and line frequency in circuits



Fluke. Keeping your world up and running.®

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