Fluke solutions for plastic manufacturing

Fluke understands that the plastic manufacturing industry faces 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, facilities maintenance, electromechanical systems, motors and drives and electrical networks. We know that plastic manufacturing is a demanding chore where product efficiency plays a critical role. Fluke tools gives results you can count on all the time, whatever you’re doing.
**Maintenance Manager**

**Issues faced:**
- Ensuring uptime is continuous and predictable
- Safety of personnel and the environment
- Maintaining high product quality
- Staying within budget

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

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**Mechanical Technician**

**Issues faced:**
- Meeting equipment standards and specifications
- Preventative maintenance
- Effectiveness of repairs (valve repacking)
- Assembling machinery
- Determining optimal machinery placements

**Fluke solutions:**
- Fluke Connect®
- Digital multimeters
- Clamp meters
- Insulation multimeters
- Process tools
- Infrared cameras
- Vibration/alignment tester

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**Plastic manufacturing solutions**

**Process Calibration Tools**

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

**Plant Engineer**

**Issues faced:**
- Maximizing uptime
- Prevent system interruption
- Maintain plant and personnel safety

**Fluke solutions:**
- Fluke Connect®
- Insulation multimeters
- Power quality analyzers
- Infrared cameras
- Vibration testers
- Visual IR thermometers

**Reliability Engineer**

**Issues faced:**
- Preventative maintenance and asset uptime
- Root cause analysis to prevent future failures
- Troubleshooting emergent issues

**Fluke solutions:**
- Fluke Connect®
- Insulation multimeters
- Power quality analyzers
- Infrared cameras
- Vibration testers
- Visual IR thermometers
- Process tools

Diagram is not intended to be an exact representation. Diagram components are not to scale and are for illustration purposes only.
### Recommended plastic manufacturing solutions

<table>
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<th>Instrument</th>
<th>Best suited for:</th>
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| **Thermal imagers** | • Inspecting pipes, motors and pumps  
                          • Capturing fluid/solid levels on tanks and silos  
                          • Inspecting boilers, process heaters and other heat-generating units  
                          • Inspection of power distribution grid: fuse boxes, insulators, transformers and other electrical systems components |
| **Power loggers**   | • Capturing and logging over 500 power quality parameters  
                          • Troubleshooting and performing advanced analysis on power quality issues  
                          • Energy surveys to determine sources of electrical energy waste |
| **Digital multimeters** | • Electrical system installation and troubleshooting  
                          • Quick voltage detection  
                          • Environments with both AC and DC (autoVolt) or ghost voltages |
| **Fluke Connect**   | • Simplifying preventive maintenance programs  
                          • Seamlessly integrating tool data into software  
                          • Diagnosing asset health in the field  
                          • Cloud-based data sharing |
| **Vibration tester** | • 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 tools**   | • Maintenance and calibration of process instruments and control system I/O  
                          • Measuring, sourcing and simulating 4-20 mA control loops |
| **Power quality analyzers** | • Troubleshooting and preventing problems in power generation, transmission and distribution systems  
                          • Conducting load studies to reduce energy usage applications  
                          • Use with motors, pumps, generators, transformers, compressors and electrical panels |
| **Pressure calibrators** | • Pressure calibration of transmitters, gauges, switches and custody transfer meters  
                          • Maintenance of almost any pressure device using pressure sourcing and mA measurements  
                          • Calibrating P/I instruments with simultaneous pressure and current measurement |

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Fluke. *Keeping your world up and running.*

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