

Detect Surface Defects **Before They Become Critical**

FlawSense gives manufacturers real-time, full-surface defect detection during production, helping catch and measure defects when corrective action still matters.

Labor Impact:

- 20 inspectors = \$1.2M annually
- 40 inspectors = \$2.4M annually

Scrap Impact:

- \$1M scrap → 10% reduction = \$100K saved
- \$5M scrap → 10% reduction = \$500K saved

FlawSense technology provides a more **complete, in-process approach to surface quality** than manual inspection, vision systems, lump and neck detectors, or diameter measurement tools alone.

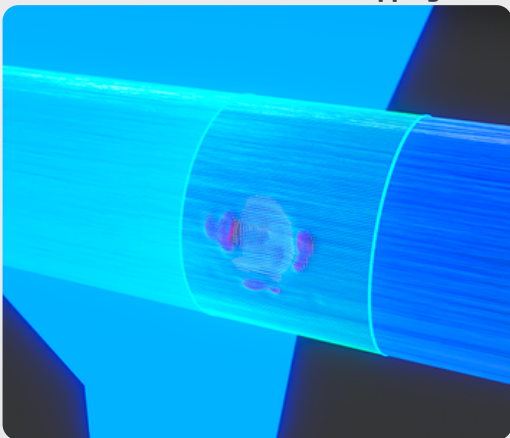
Why Conventional Approaches Fall Short

- Manual inspection: subjective, labor-intensive, too late
- Vision systems: lighting-dependent, limited surface interpretation
- Lump and neck detectors: focused on specific flaw types, not a complete surface quality solution
- Laser micrometers: measure diameter, not true surface condition

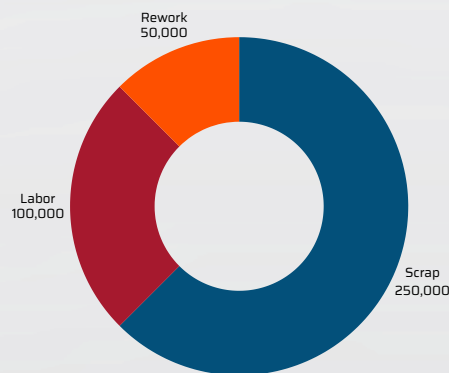
Why FlawSense:

- Real-time surface inspection during production
- True 100% surface defect visibility and mapping
- Three-dimensional defect review and analysis
- Consistent, measurable quality control

Bumps and depressions detected by FlawSense 100% surface mapping.

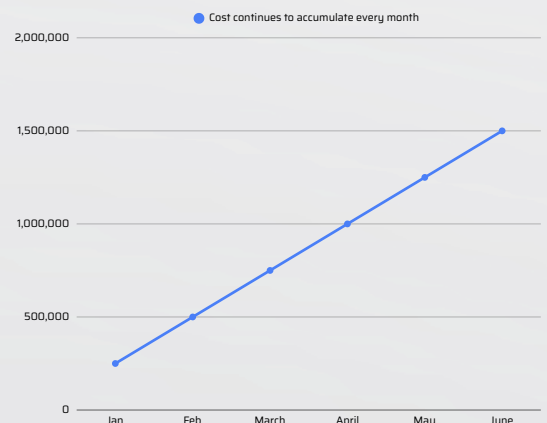


The hidden cost of reactive quality



\$400K+ per month in hidden cost

Possible cost of delaying FlawSense by 6 months



FlawSense technology helps reduce scrap and inspection labor, and improve process control by shifting quality from reactive to real-time.

Next-Gen **Flaw Detection** Technology

Proven in Production Environments

- **Detects** defects missed by manual, laser micrometers, and vision systems
- **Enables** real-time process control
- **Reduces** scrap and inspection labor
- **Used** across wire, cable, tubing, and extrusion

Recognized by Industry Publications

- [MD+DI](#)
- [Wire & Cable Technology](#)
- [Plastics Technology](#)
- [Laser Focus World](#)
- [Medical Design & Outsourcing](#)

If defects are found after production, the cost and loss are already in the product.

Scrap, rework, manual inspection, and reactive quality processes all add cost that is often accepted as normal.

Scrap and inspection are ongoing losses in production.

These costs do not stop unless they are addressed.

"FlawSense is an improvement! An innovation in detecting defects on the surface, and I swear by it."

- Tim Steele, Microspec CEO

Reliable detection of pits, cracks, scratches, blisters, wrinkles, and other surface defects at production speeds.

