

# Reliability Summary Q3 FY25

Revision: 1.0

Date: 2025-10-08

Company: ACME Lithography Systems

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# Revision History

| Version | Date       | Author                    | Summary   |
|---------|------------|---------------------------|---|
| 1.0     | 2025-10-08 | Manufacturing Engineering | Periodic update; limits & procedures clarified. |

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## §1 Executive Summary

Overall toolset MTBF improved 7% QoQ; top issues: vacuum pump bearings (Z) and PFN cap aging.

## §2 Key Metrics

Average unplanned downtime decreased by 9.8 hours per month across L-900 fleet.

## §3 Countermeasure Effectiveness

Bearing inspection window (72–96h) adherence reached 88% with corresponding 12% drop in vacuum-related stoppages.

# Appendices & Tables

Table A.1: MTBF / Downtime (Illustrative)

| Metric              | Q2 FY25 | Q3 FY25 | $\Delta$ |
|---------------------|---------|---------|----------|
| MTBF (hours)        | 412     | 441     | +7%      |
| Unplanned DT (h/mo) | 102     | 92      | -9.8     |