

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 | Δ |
|---------------------|---------|---------|------|
| MTBF (hours) | 412 | 441 | +7% |
| Unplanned DT (h/mo) | 102 | 92 | -9.8 |