

To maximize the performance and lifespan of your Lyndex-Nikken live tools, please observe the following recommendations and technical service intervals:

### Usage Guidelines & Best Practices

- Warm-Up Procedure:** If unused for 2–4 months, perform a warm-up or break-in before resuming full operation.
- Lubrication Policy:** Tools come with permanent factory lubrication (Klüber Isoflex NBU 15). Reapplication is only required during service/repair.
- Recommended Service Interval:** Service every 6–12 months or after ~2,000 hours of operation depending on application load and usage. More aggressive radial milling requires more frequent servicing.
- Condition Monitoring (In-Use Checks):**
  - Excessive noise
  - Overheating (exceeding 90°C)
  - Dimensional/form errors in workpieces
  - High spindle load during regular cuts
  - Runout or angular accuracy deviations

### Wear Check Procedure

Performed outside the machine using a test mandrel and dial gauge:

Check Type	Tolerance
Bearing Clearance	0 ± 0.008 mm
Cylindrical Runout	Max 0.03 mm
Surface Runout	No deviation
Angular Accuracy (In-Machine)	Max 0.015 mm

### Cleaning Recommendations

- Remove all chips, coolant, and dirt regularly.
- Clean with a cloth and brush (avoid abrasive tools).
- Use low-pressure air for debris removal.
- Lightly oil outer surfaces to prevent corrosion.

### Maintenance / Inspection Services Available

If needed, contact Lyndex-Nikken to request a Return Goods Authorization (RGA) number and send in the tool for:

- Disassembly and inspection
- Wear part replacements
- Reassembly and testing

*Spare parts billed separately.*

### Quick Service Interval Guide

Condition	Recommended Action
Tool idle for over 3 months	Run warm-up procedure
Tool has over 2,000 hours of use	Schedule service inspection
Unusual noise or high temperature (>90°C)	Stop use and request service
Dimensional issues in parts	Inspect runout and bearings
Every 6–12 months (general)	Perform preventive maintenance

### For assistance or to request an RGA number:

Email [LT\\_ENGR@lyndexnikken.com](mailto:LT_ENGR@lyndexnikken.com) or call **847-367-4800**