



The Poultry Peeling Roller Maintenance Checklist

For Maintenance Managers

About DeLong's

DeLong's Gizzard Equipment is a manufacturer of poultry processing equipment and the world's leading provider of rollers for poultry and gizzard processing machinery. Our precision-engineered rollers meet or exceed manufacturers' specifications for all major brands of processing equipment. With decades of experience, we are recognized experts in the gizzard production process.

KEY FACTS

Founded in 1943

Family-Owned

Made in the U.S.A.

**WE PARTNER WITH ORGANIZATIONS ACROSS 11 COUNTRIES
TO PROVIDE OVER 100 PRODUCTS**

OUR SPECIALTIES

Worldwide Leading Provider of Poultry & Gizzard Processing Machinery

For over 50 years, the DeLong's family has been the leading provider of replacement peeler rollers for the poultry processing industry. Whether you need to conduct regular maintenance on your equipment, rebuild an old poultry machine, purchase new machinery, or find ways to increase your plant's yield, DeLong's is your solution.

OUR CUSTOMERS



Interested in learning more?

Visit our website at delongs.com

Roller Maintenance Checklist

This checklist is designed to help you prioritize roller maintenance, minimize downtime, and maximize plant yield. If you're interested in the full guide, visit us at delongs.com/resources.

I. Roller Lifespan and Replacement Strategy ↘

Component	Standard Lifespan	When to Replace Immediately	Proactive Strategy
Roller	Every 6-8 weeks.	☐ If pits are deeper than 1/4 inch.	☐ Treat replacement as an investment in efficiency, not a cost.
		☐ If more than 25% of the tooth surface is worn or damaged.	☐ Rotate new rollers on a schedule before failure occurs.
		☐ If teeth are clearly pitted or dull.	☐ Be aware that yield can decline if rollers are in service too long after 6 - 8 weeks.
Bushings (Brass)	Every 2 weeks.	☐ If they are worn, as this accelerates shaft damage.	☐ Fresh bushings reduce shaft wear and extend roller lifespan.
End Blocks	Every 4 months.	☐ If worn, to maintain roller stability and movement.	☐ Ensure blocks are pushing securely against the rollers.

Roller Maintenance Checklist

II. Daily Roller Cleaning Best Practices ↘

Ensure the sanitation team follows these protocols to prevent rust, wear, and costly breakdowns.

- ☐ **Clean After Every Shift:** Make cleaning a standard protocol to prevent buildup from drying overnight.
- ☐ **Run Rollers During Cleaning:** Spray with high-pressure water while they are in motion to expose all surfaces evenly and remove hidden debris.
- ☐ **Use Approved Cleaning Products:** Use food-safe degreasers or enzyme-based cleaners; avoid harsh chemicals or abrasive tools.
- ☐ **Dry Completely:** If rollers are removed for storage, ensure they are fully dried to prevent corrosion.
- ☐ **Document and Rotate Staff:** Keep cleaning logs and rotate staff for accountability and fresh inspection eyes.

III. Proactive Maintenance & Performance Checks ↘

Use these strategies to detect issues early and implement a predictive maintenance plan.

- ☐ **Check Assembly Tightness:** Inspect and tighten loose bolts in the roller block assembly to prevent reduced efficiency and increased wear.
- ☐ **Routine Inspections:** Conduct frequent checks for alignment, rust spots, surface damage, and uneven rotation.
- ☐ **Vibration Analysis:** Used to detect imbalances or misalignment that could lead to performance loss.
- ☐ **Inspect Upstream Equipment:** Ensure gizzard harvesters and defatters are aligned and in good condition to avoid product damage before peeling, which protects roller performance.
- ☐ **Check Floor Layout:** Inspect for crowded equipment that creates hard-to-access "blind spots" which are difficult to clean and lead to faster wear.

DeLong's Support, Services & Custom Solutions

ONGOING TECHNICAL CONSULTATION

Our experts help optimize processes, improve efficiency, and implement predictive maintenance.

COMPLETE GIZZARD PROCESSING SYSTEMS

DeLong's provides integrated solutions for chicken and turkey gizzard processing—from harvesting to inspection



MAINTENANCE TRAINING AND SUPPORT

Hands-on training and performance evaluations help teams reduce downtime and extend equipment life.



CUSTOM EQUIPMENT DESIGN AND FABRICATION

We tailor machines and system integrations to fit your plant's layout and goals.



ROLLER REPAIR, REFURBISHMENT, AND CUSTOMIZATION

Sharpening, resurfacing, and rebuilding, plus rollers made to your specs for better yield and performance.

DeLong's Gizzard Equipment is a trusted leader in poultry processing solutions, specializing in the design, manufacturing, and support of high-performance gizzard processing systems.

With decades of experience in the industry, **DeLong's provides a full suite of services** tailored to meet the needs of poultry processors worldwide.

Interested in learning more?

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Interested in the full guide?

Whether you're looking to reduce costs, improve product quality, or increase machine uptime, this guide delivers real-world tips backed by industry experience. Head over to <https://delongs.com/resources/> to learn more.

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