

Lubrication in the Corrugated Board Industry



Challenge:

Extreme conditions demand exceptional performance. The production of corrugated board is a highly complex, continuous process where paper is heated, glued, and shaped. Corrugating machines up to 150 m long with over 50,000 m²/h output operate non-stop under intense conditions:

- High temperatures (up to 240 °C) in corrugating roll bearings and heating zones push lubricants to their limits.
- Paper fibers, glue, and moisture create sticky, abrasive residues that affect blades and bearings.
- High loads and friction in special bearing types (e.g. cylindrical or tapered roller bearings) require high pressure and wear resistance.
- Unplanned downtime due to blade or bearing failure reduces productivity.
- Inaccurate or insufficient lubrication increases consumption, contamination, and component wear.

Solution:

LUBCON's high-performance lubricants – Tailored for corrugated production.

With decades of experience, LUBCON offers custom-developed lubricants designed specifically for corrugated board applications – ensuring maximum uptime and long-term cost savings.

Key products:

TURMOTEMP LP 2502

High-temperature grease for corrugating roll bearings

- Continuous use up to +250 °C, 3x bearing life
- Excellent corrosion and wear protection
- Reduces friction, saves energy, prevents hardening
- Ideal for corrugating, pre-heating, and printing units

TURMOCUT SR 15–65

Cutting oils (various viscosities) for blades and felt linings

- Removes starch residues, keeps blades sharp and clean
- H1-certified, evaporates without residue – ideal for hygiene-critical zones
- Significantly extends blade life

TURMOFLUID 40 B

High-temperature chain oil

- Resistant up to +300 °C
- Strong adhesion, low evaporation
- Excellent wear and corrosion protection

Result:

- ✓ Fewer downtimes, less wear
- ✓ Greater process stability and efficiency
- ✓ Reduced maintenance
- ✓ Longer lifespan of all moving parts