Speciality lubricants for all applications in the corrugated cardboard industry

Two powerful oils for corrugating rolls and disc-cut knives

Glue, being a major component of corrugated cardboard, can cause substantial problems in corrugating rolls and disc-cut knives. In both applications this challenge can be met with a single oil: Klübersynth MZ 4-17. It can help reduce premature wear and waste due to material contamination to a minimum with very low oil consumption.

Offering comparable performance, and the added benefit of NSF-H1 registration, Klüber Summit HySyn FG 32 supports your compliance with the requirements of the food-processing and pharmaceutical industries.

All your benefits at a glance:

– Simple storage, no risk of mix-ups as a single lubricant is used for corrugating rolls and disc-cut knives
– Very low oil quantities, hence less waste of material due to contamination
– Longer knife life and extended maintenance intervals due to reliable anticorrosive effect and lubricity

Two thermally stable greases for your high-temperature bearings

Your requirements:
– Temperatures up to 200 °C
– Production speeds up to 450 m/min
– Relubrication intervals up to 1500 operating hours
– Aggressive ambient conditions

The biggest challenge is the lubrication of high-temperature bearings. This is the critical application determining the efficiency and reliability of your production operations.

We offer you the high-temperature greases Klübertemp GR AR 555 and Klübertherm HB 88-182.

Depending on your operative goals, such as longer relubrication intervals or cost reduction, we will support you by offering the right lubricant for reliable and profitable production.

Customised lubrication solutions for your specific production situation

Corrugated cardboard is on the rise: there is growing demand for this important packaging material. This means that your production has to meet more stringent requirements in terms of quality, output and cost efficiency.
## Speciality lubricants for the cardboard industry

### Machine Lubrication point | Greases | Oils | Paste | Selection criteria for several products and viscosity classes
---|---|---|---|---
| Klüber AR GR 555 | Klübertherm HB 86-182 | STABURAGS NBU 8 EP | KlüberSummit HySyn FG series or Klüberfood 4 NH1 series | Klüberoil 4 UH1 series | ALTEMP QNB 50 |
| | GRAFLOSCON CA-ULTRA Spray | | | | |
| | | STABURAGS | | | |
| | | MZ 4-17 | | | |
| | | | Lubricating and cleaning oil, protects against wear also under varying loads | | |
| | | | Lubricating and cleaning oil, prevents adhesion of glue and paper dust, very good wear protection | | |
| | | | Lubricating and cleaning oil, prevents adhesion and protects against corrosion, reliable adhesion, very good separating effect | | |
| | | | Lubricating paste with high pressure absorption capacity, enables smooth motion without stick-slip | | |

Unroll stand
- Sliding guide for unroll arm
- Bearing swivel axis

Splicer
- Drive, gear wheels, toothed racks

Preheater
- Rolling bearings

Corrugating rolls
- Rolling bearings
- Cleaning of corrugating rollers

Double face
- Rolling bearings
- Chains and chain wheels

Rotary shear
- Bearing bushing of knife
- Cutting edge lubrication

Slitter scorer
- Separating oil for cut knife

High-performance cutoff
- Bearing bushing of knife
- Cutting edge lubrication

Stacker
- Chains and chain wheels

NSF registration
- H1

We offer you a comprehensive product portfolio also for your other applications such as compressors, gears or printing machines. We will be pleased to advise you. Just contact us.

### Process steps

- **Unroll arm**
- **Splicer**
- **Preheater**
- **Corrugating rolls**
- **Double face**
- **Rotary shear**
- **Slitter scorer**
- **High-performance cutoff**
- **Stacker**

### Machine lubrication applications
- **Unroll stand**
  - Sliding guide for unroll arm
  - Bearing swivel axis

- **Splicer**
  - Drive, gear wheels, toothed racks

- **Preheater**
  - Rolling bearings

- **Corrugating rolls**
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  - Cleaning of corrugating rollers

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