

JIANHOR Single-Point Automatic Lubricator Application Scenarios



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Part A Why use JIANHOR Automatic Lubricator?

Part B Which equipment needs JIANHOR?

Part C Industry Applications Introduction

Part A Why use JIANHOR Automatic Lubricator?

01 Reliability

02 Safety

03 Maintenance Cost Reduction





01

Reliability

Enhances component reliability

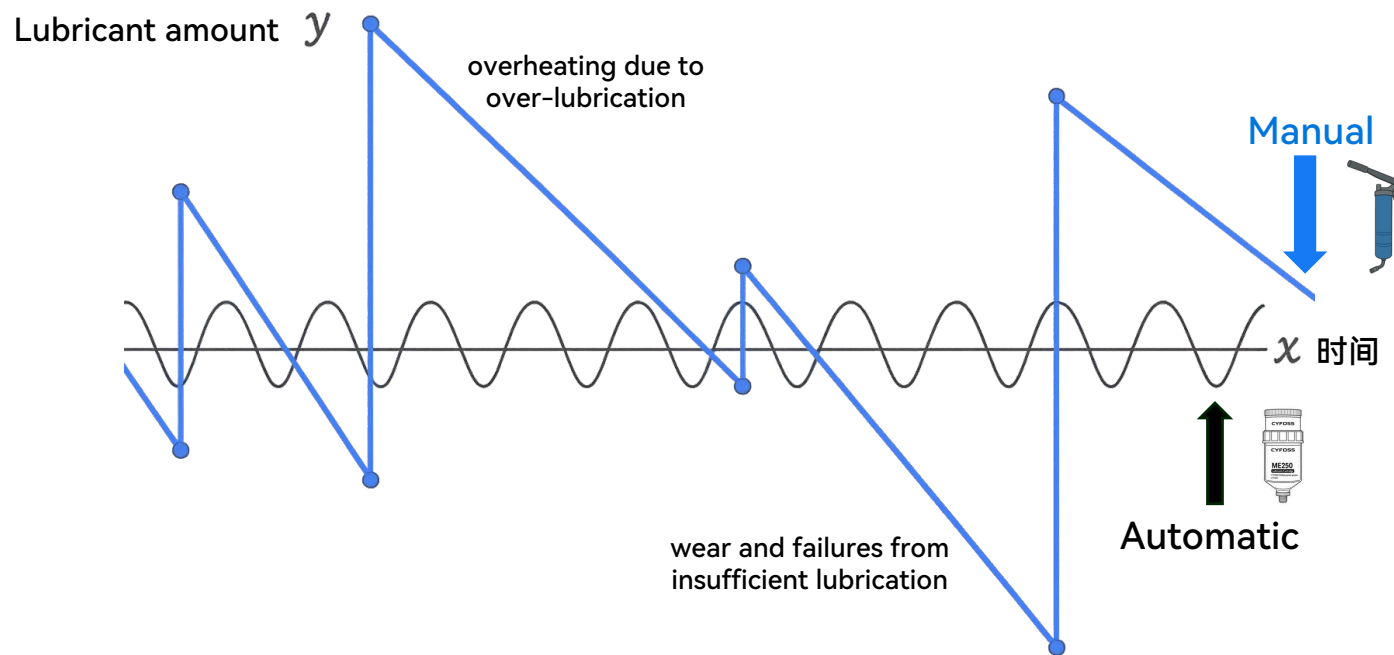
Continuous automatic lubrication significantly enhances component reliability and service life.

Up to 50% of premature equipment failures are due to improper or contaminated lubrication.

Avoid inappropriate lubrication

Automatic lubrication delivers clean, fresh lubricant consistently and evenly.

Prevents contamination of bearings by moisture and dust.



Action Risk Reduction

Automatic lubrication reduces time spent by maintenance personnel in hazardous zones.
Statistics show automatic systems can reduce lubrication-related accident risks by up to 90%.

Workload Reduction

Isolates personnel from operating machinery.
Prevents slips and accidents caused by manual lubrication, ensuring worker safety.





03 Maintenance Cost Reduction



TCO Reduction

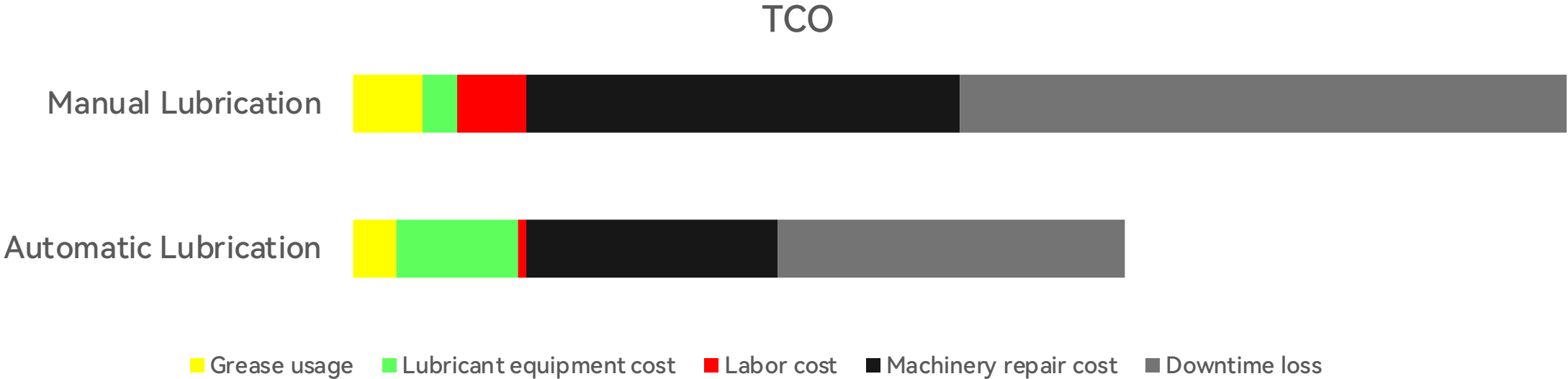
Compared to manual lubrication, automatic systems significantly reduce lubricant use and labor costs.

Maintenance Reduction

Lubrication w/o machine stop

To minimize equipment damage from over/under-lubrication and reduce unplanned downtime losses, which leads to an overall reduction in Total Cost of Ownership (TCO).

Downtime Reduction



Part B

Which equipment needs JIANHOR?

01 Motor Bearings

04 Chains

02 Pump Bearings

05 Gears & Racks

03 Fan Bearings

06 Guide Rails





01 Motor Bearings



Drive motors

Mining equipment motors

Production line motors

Other industrial motors



Electric motor bearings are one of the most common applications for single-point automatic lubricators.

Installing an automatic lubricator ensures continuous grease supply, preventing wear caused by lack of lubrication.

In various industrial motors, automatic lubricators reduce the frequency and labor required for manual lubrication, improving operational reliability and lowering maintenance costs.



02 Pump Bearings

Water Pumps

Oil Pumps

Process Pumps

Other industrial motors



Bearings in various pumps are also typical lubrication points.

In applications where pumps run, automatic lubricators reduce maintenance frequency.

Automatic lubricators help ensure reliable operation and minimize downtime due to lubrication issues.



03 Fan Bearings



Tunnel ventilation fans

Cooling tower fans

Blowers

Various industrial fans

Fan bearings used in tunnel or cooling tower fans are often installed at height or in enclosed environments, making them ideal for automatic lubrication.

Single-point lubricators deliver grease at preset intervals to ensure consistent lubrication during operation, reducing downtime caused by manual lubrication.

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04 Chains

Conveyor Chains

Elevator Chains

Escalator Chains

Drive Chains



Transmission and conveyor chains require frequent lubrication. Single-point automatic lubricators are often used to apply grease to chains.

Automatic lubricators precisely control grease delivery frequency and volume, preventing chain dryness or excessive grease contamination, thereby reducing wear.





05 Gears & Racks

Mining equipment
ring gears

Steel mill roller gears

Paper machine
dryer gears

Other open
gear systems



For open gear drives such as large gears and racks, regular lubrication is essential.

Automatic lubricators provide continuous oil film protection to avoid metal contact under heavy load, reducing wear.





06 Guide Rails

Linear Guides



Linear and sliding guides used in reciprocating motion require uniform lubrication.

Manual lubrication struggles to ensure uniform coverage across long rails.

Sliding Guides



Used in CNC machine rails, elevator rails, escalator tracks, etc., automatic lubricator enhance motion smoothness and reduce stoppages.

Automatic lubricators can be installed at multiple points or connected via tubing to ensure continuous lubrication.

Part C Industry Applications of JIANHOR Lubricators

- | | | | | | |
|----|----------------------------------|----|-----------------------------|----|----------------------------|
| 01 | Asphalt Mixing Plants | 05 | Mining Industry | 09 | Wind Power Industry |
| 02 | Automotive Industry | 06 | Wastewater Treatment Plants | 10 | Pulp and Paper Industry |
| 03 | Pharmaceutical/Chemical Industry | 07 | Power Plants | 11 | Food and Beverage Industry |
| 04 | Gypsum / Lime / Cement Plants | 08 | Steel Industry | 12 | Other Industries |



Asphalt Mixing Plants 01



✓ Equipment & Lubricating Point



Raw Material Handling System

Drum roller bearings
Bucket/ elevator bearings
Vibrating screen bearings



Dust Removal System

Fan shaft bearings
Screw conveyor flange bearings
Fan motor bearings



Loading System

Concrete hopper sliding bearings
Loading gate roller bearings
Loading station chains



Automotive Industry 02



✓ Equipment & Lubricating Point

Press Workshop

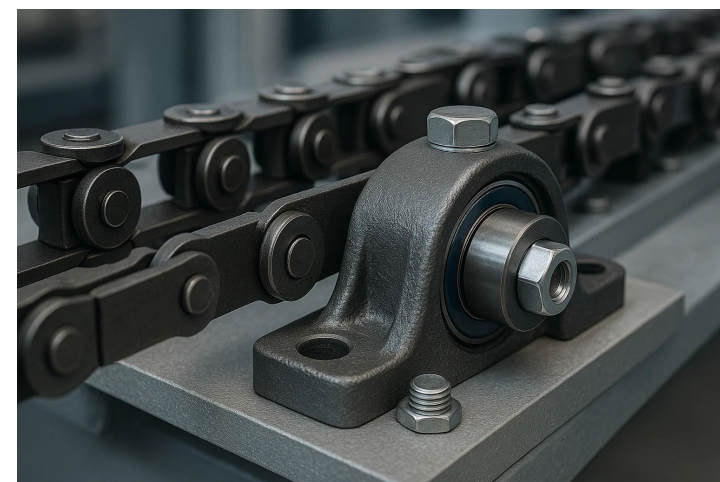
Press circular guides (flat/round)
Welding robot linear guides
Welding robot joint bearings

Vechile-body Worshop

Chain conveyors
Lift system screw rods
Welding fixtures sliding bearings

Paint Workshop

Blower motor bearings
Conveyor chain roller bearings
Paint robot joint bearings





Pharmaceutical/Chemical Industry 03



✓ Equipment & Lubricating Point

Raw Material Transfer

- Process pump motor bearings (long runtime)
- Screw conveyor bearings (corrosive media)
- Pipeline pump bearings (high load/moisture)

Reaction Systems

- Mixer gears (high load/temperature)
- Hot air blower seals (high temp/pressure)
- Reactor agitator bearings (corrosive/high load)

Packaging System

- Palletizer linear guides (frequent starts/stops)
- Conveyor chains (contaminated materials)
- Cartoner bearings (precision/load)



Gypsum / Lime / Cement Plants

04



Equipment & Lubricating Point

Crushing System

Hammer crusher roller bearings
(impact/dust)

Crusher main shaft bearings

Cement mill bearings



Calcining System

Kiln drive bearings (high
temp/load)

Kiln open gears

Raw mill bearings (load/temp)



Dust Removal System

Fan motor bearings

Screw conveyor bearings

Dust hopper bearings

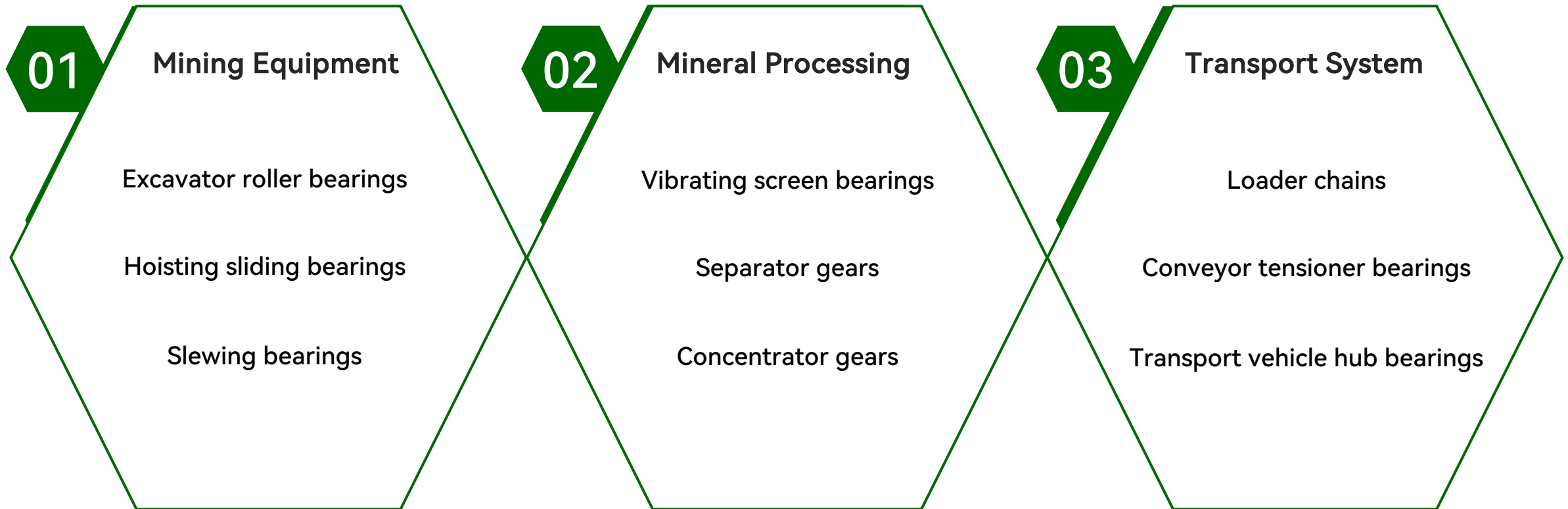


Mining Industry

05



✓ Equipment & Lubricating Point





Wastewater Treatment Plants

06



✓ Equipment & Lubricating Point

Physical Treatment

Chain roller bearings
(exposed to sewage)

Scraper bearings
(frequent stops)

Coarse screen chains
(corrosion prevention)



Biological Treatment

Surface aerator bearings (humidity)

Clarifier pivot bearings (submersion)

Bioreactor agitator bearings (moisture/load)

Sludge Treatment

Belt conveyor bearings (sludge corrosion)

Screw press screws (load/moisture),

Dewatering machine bearings (precision/moisture)

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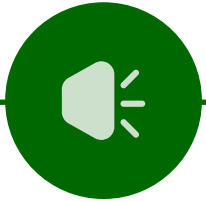
Power Plants

07



Equipment & Lubricating Point

01



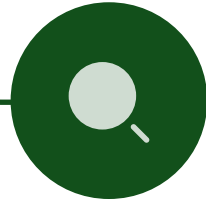
Fuel Transport

Bucket conveyor flange bearings (dust)

Coal feeder chains (frequent starts)

Fuel belt roller bearings (dust/load)

02



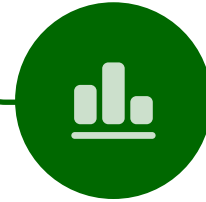
Power Generation

Turbine slide bearings (speed/load)

Generator bearings (precision)

Exciter bearings (speed/load)

03



Cooling System

Cooling fan shaft bearings (humidity/speed)

Pump motor bearings

Drive shaft bearings

Steel Industry

08



Equipment & Lubricating Point



Rolling System

Open gears in mills (load/temp)

Tension station chains

Roller bearings



Continuous Casting

Casting machine roller bearings

Cutter screw rods

Crystallizer bearings



Surface Treatment

Coating line guides

Acid tank agitator bearings

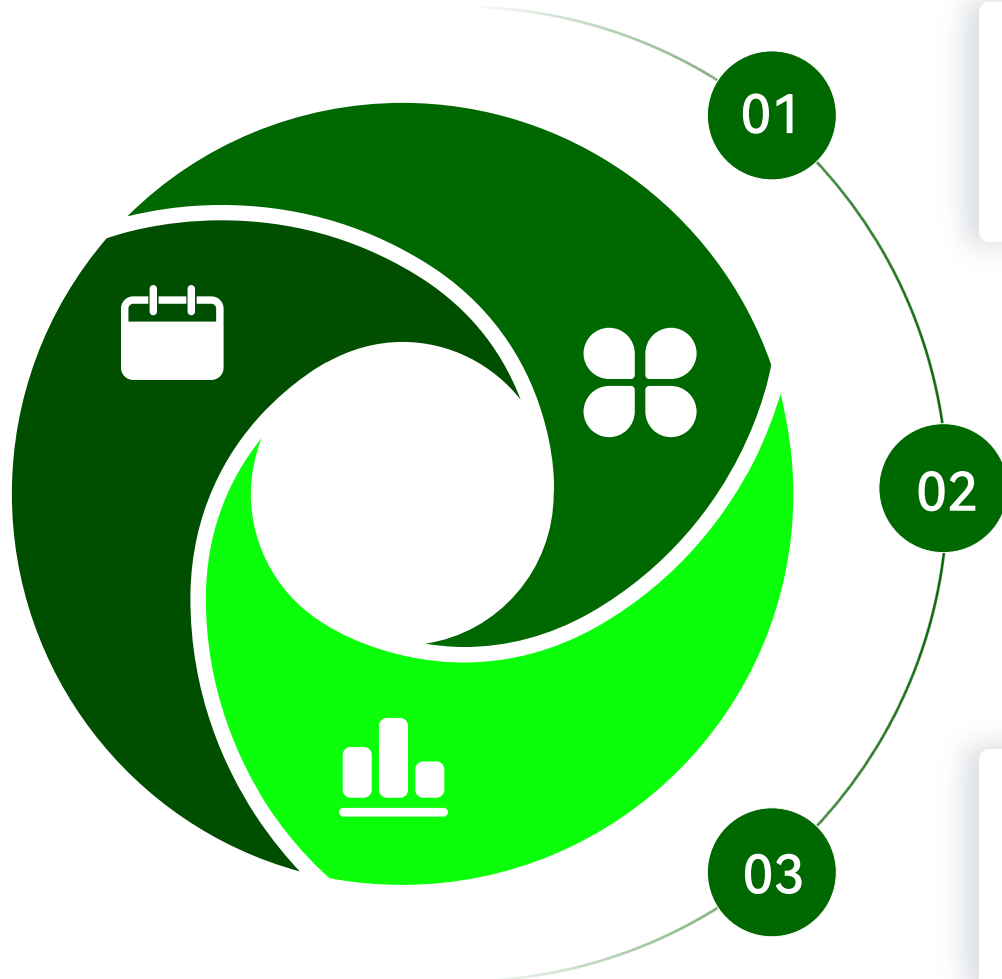
Galvanizing line bearings



Wind Power Industry 09



✓ Equipment & Lubricating Point



Transmission

Main shaft bearings (speed/load)
Yaw gear teeth
Gearbox bearings

Blade System

Blade bearing sliding surfaces
Pitch gears
Blade root bearings

Generator System

Front/rear generator bearings
Cooling fan bearings
Exciter bearings

Pulp and Paper Industry 10



✔ Equipment & Lubricating Point

Pulping

Pulper bearings (humidity)

Vacuum bearing units

Pulp pump motor bearings

Paper Making

Dryer roller bearings (temp/load)

Calender guides

Transmission gears

Post-processing

Cutter roller bearings

Folder bearings

Packing machine chains





Food and Beverage Industry

11



Equipment & Lubricating Point



Conveyor System

Belts

Belt cleaners

Drum conveyors

Pallet conveyors



Manufacturing & Filling System

Fillers

Presses

Conveyor chains

Slicers

Cappers

Peelers



Packaging & Storage System

Palletizers

Depalletizers

Wrapping machines

Labelers

Other Industries 12



✓ Equipment & Lubricating Point

Elevators

Car guide rails
Sliders

Escalators

Handrail drive chains	Step chains
Step rollers	Main drive chains

Wood Processing

Suction units	Conveyors
Panel cutters	Presses
Blowers/fans	Cranes



Water Dam

Drive chains	Dam locker
Rack	Guide screws

Plastic/ Rubbers

Extruders	Film blowing machines
Grinders	Guide screws
Calenders	Granulators

Maritime/Ports

Winches	Gear chains
Motors	Hoists
Water pumps	



Looking Forward to Your Inquiry!



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