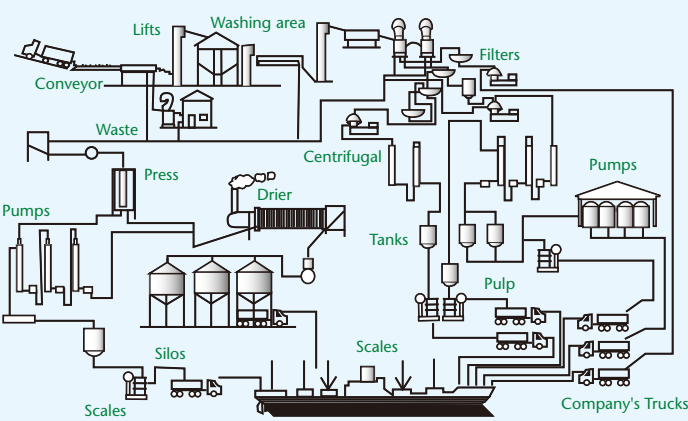


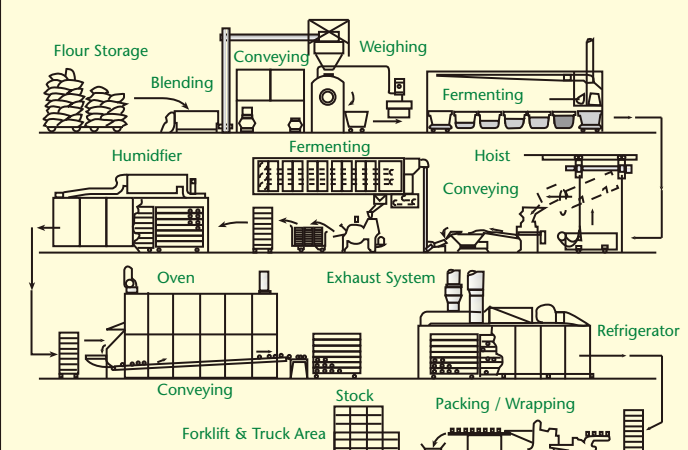
**OMEGA LUBE CHART OF A TYPICAL BEVERAGE PROCESSING PLANT**  
(Please contact ITW PP & F Korea Limited for Omega solutions not listed below)

LOCATION	APPLICATION POINTS	OMEGA PRODUCT	COMPETITIVE ADVANTAGE
Inside a Beverage Processing Plant	Grease lubricated bearings, guides & joints of cleaning / rinsing, filling, can seaming equipment	O 58	Food grade universal non-staining grease that withstands steam & water wash and offers excellent load carrying properties.
		O 78	Food grade grease with outstanding EP/AW properties, mechanical stability, and resistance against oxidation, water spray-off & washout.
Air line system	Pneumatic tools & air lines	O 609	A food grade lubricant that will not curd or foam thus no blockage or corrosion will occur.
Refrigerators	Compressors	O 615	Synthetic oil with outstanding low-temperature fluidity.
Hydraulic system	Hydraulics	O 580, O 615 O 917	Superior "Food Grade" oils engineered for the food industry. Stops all leaks without harmful additives.
Lifts	Gear drives & pulleys	O 646	A lubricant that will hold tenaciously onto any metal surfaces.
Centrifugal pumps	Bolts & nuts	O 99FG	Food grade, multi-purpose anti-seize and assembly lubricant with excellent resistance against water wash-off, rust, acid & corrosion.
Silos, Scales, Press	Surface areas Studs & fittings	O 638	Completely safe for incidental food contact. For general maintenance lubrication & provides excellent corrosion protection & lubricity.
Company's trucks	Enclosed gears Engine oil	O 690	Extreme-pressure gear oil that withstands high & shock loading.
		O 917	Stop leaks while equipment is operating.

**TYPICAL PROCESS FLOW OF A CITRUS PROCESSING PLANT**



**TYPICAL PROCESS FLOW OF A MODERN BAKERY**



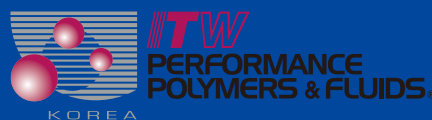
**OMEGA LUBE CHART OF A MODERN BAKERY PLANT**  
(Please contact ITW PP & F Korea Limited for Omega solutions to other types of food plants – e.g. dairy, fruit & vegetable, etc.)

LOCATION	EQUIPMENT POINTS	OMEGA PRODUCT	COMPETITIVE ADVANTAGE
Inside a Bakery Plant	Grease lubricated bearings, guides & joints of food equipment operating below 150°C	O 58	Non-toxic & non-staining grease for plain & anti-friction bearings in food machinery. It offers excellent water resistance, load carrying properties & long re-lubrication intervals.
		O 78	Food grade grease with outstanding EP/AW properties, mechanical stability, and resistance against oxidation, water spray-off & washout.
		O 585	Does not contain harmful constituents & stays tenaciously in place. Provides excellent resistance to oxidation.
Gear Boxes	Lubrication of enclosed gears	O 585	Does not contain harmful constituents & stays tenaciously in place. Provides excellent resistance to oxidation.
Cooling area	Conveyors	O 58	Universal grease that withstands steam & water wash.
General areas	Joints, levers, chains & other moving machine components	O 638	Highly refined multipurpose oil with anti-wear characteristics & excellent corrosion protection.
		O 33	A grease designed to withstand temperatures up to 315 °C.
		O 26	Synthetic (PFPE) food grade grease with exceptional resistance to aggressive chemicals, water & steam, corrosion and oxidation at elevated temperatures up to 280°C.
Ovens	Oven external hinges Oven conveyor bearings Oven conveyor chains	O 641	Synthetic food grade oil that clings tenaciously to applied parts exposed to elevated operating temperatures up to 280°C.
		O 609	Food grade lubricant that will not curd or foam. Has excellent corrosion protection & good compatibility with plastics and sealing material.
Pneumatic system	Pneumatic tools & air line system Air compressors	O 615	Synthetic oils formulated with special additives for air compressors.
		O 615	Synthetic oil with outstanding low-temperature fluidity.
Refrigerators	Refrigeration compressors	O 615	Synthetic oil with outstanding low-temperature fluidity.
		O 99FG	Food grade, multi-purpose anti-seize and assembly lubricant with excellent resistance against water wash-off, rust, acid & corrosion.
Wrapping machine	Conveyor - studs, joints, lifters etc Shaft's vacuum lifter	O 58	Universal grease excellent for the food & beverage industry
		O 690	It is extreme pressure gear oil that is vibration resistant.
Forklifts	Gear boxes	O 917	It lubricates, protects and prolongs the life of all types of seals.
		O 690	Always "stays put" in any position on any metal.
Delivery Trucks	Gear boxes	O 917	Stops leaks without any harmful additives.
		O 99	It is non-toxic and can be used in confined spaces.
Exhaust system	Gaskets, studs & nuts	O 99	It is non-toxic and can be used in confined spaces.



At ITW PP & F Korea Limited we are fully committed to a proactive approach to safety, health, environment and product improvement. Our commitment is well reflected in:

- Our continuous Research and Developments
- Our on-going in-house Training and our in-house Training Facilities
- Our comprehensive range of Quality Products
- Our many long-term Repeat Customers



13th floor, Unit B,  
PAX Tower, 609 Eonju-ro,  
Gangnam-gu, Seoul,  
Korea 06108  
email: enquirygroup@magnagroup.com

**About ITW**

ITW (NYSE:ITW) is a Fortune 200 global multi-industrial manufacturing leader. The company's seven industry-leading segments leverage the unique ITW Business Model to drive solid growth with best-in-class margins and returns in markets where highly innovative, customer-focused solutions are required. ITW has nearly 50,000 dedicated colleagues in operations around the world who thrive in the company's unique decentralized and entrepreneurial culture. To learn more about the company and the ITW Business Model, visit [www.itw.com](http://www.itw.com).

To offer the best service to each market segment, ITW PP & F Korea Limited operates the following divisions that are branded uniquely for the most prominent recognition by users and customers:



**OMEGA Ultimate Lubricants**  
Specializing in lubrication solutions - greases, oils and additives



**MAGNA Welding Alloys**  
Specializing in gas and arc welding consumables for maintenance



**CORIUM Industrial Chemicals**  
Specializing in industrial & commercial chemicals and adhesives



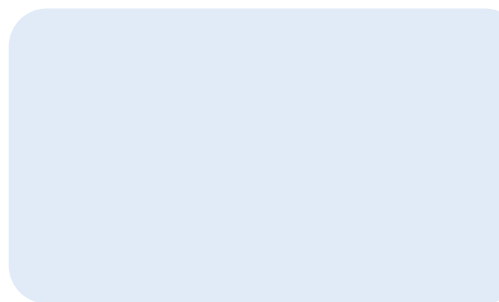
**ZETALUBE Lubricants**  
A new lubricity dimension evolved from experience

We supply superior products that make maintenance:

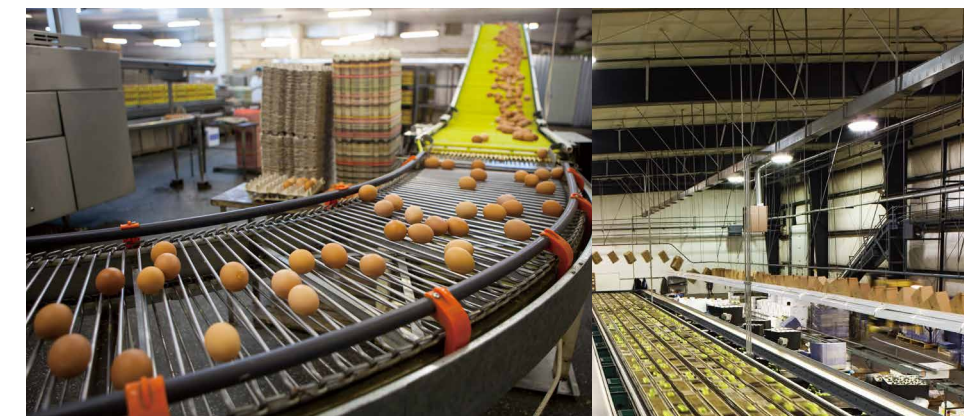
- Faster
- Safer
- More reliable

Our products are engineered to:

- Lower costs
- Reduce downtime
- Cut wastage



We reserve the right to modify or change products for purposes of improving performance characteristics. © 2016 ITW PP & F Korea Limited  
The OMEGA, MAGNA, CORIUM & ZETALUBE Trade Marks are the properties of ITW Inc., and are used under licence by ITW PP & F Korea Limited  
The information contained in this publication supersedes all relevant information previously released and is to the best of our knowledge and accurate at the time of issue on June, 2016.



[www.magnagroup.com](http://www.magnagroup.com)



**High Performance Lubricants for the Food, Beverage, Hospitality & Leisure Industry**



