

The benefits provided by



TOTAL nevastane H1 LUBRICANTS WAS DEVELOPED TO MEET THE SAFETY REQUIREMENTS OF MAJOR AGRIBUSINESS PLAYERS

FOOD INDUSTRY LEADING STANDARDS FOR QUALITY, HYGIENE AND TRACABILITY, OUR NSF CERTIFICATIONS ARE:



Nonfood Compounds Program Listed H1
ISO 21469 Certified

- **NSF H1** : Registered formulas incidental food contact possible.
- **NSF ISO 21469** : Certified factories. All production is therefore carefully monitored and audited to guarantee the highest levels of safety:
 - Formulating review.
 - Product testing.
 - Traceability and verifications.
 - Annual independent audit of our facility and products.

TOTAL NEVASTANE also Guarantees:



TOTAL LUBRICANTS, GIVING YOU THAT EXTRA SUPPORT!

TECHNICAL ASSISTANCE

Present in more than **120 countries**, our experts are always by your side ready to support you:



On-site audits.



Identify the Critical Lubrication Points (HACCP).



Rationalization, TCO approach.



Product recommendations, optimizations, best practices for usage and storage.



On-site training.

OPTIMIZED MAINTENANCE SOFTWARE FOR YOUR LUBRICANTS

Based on the expertise of our engineers, **TIG 6** enables you to:



Increase efficiency and savings of your maintenance operations.



Guarantee Quality and Safety through documentation management and tracking of critical points.



Monitor your lubricant analysis and parameters with one single tool.

TOTAL ANAC INDUS

With **TOTAL ANAC INDUS**, our preventive and corrective oil analysis solution, you can:



Reduce your operating costs.



Anticipate and plan maintenance operations to **perform them** at the best time.



Optimize drain intervals and extend the lifetime of your machines.



Improve the reliability and performance of your equipment.

A major player

With our production, supply chain and commercial presence in more than 150 countries, we deliver a full range of lubricants.

Support and partnership

Thanks to local technical presence, we provide a high level of service to optimize your Total cost of Ownership.

References & OEMs

TOTAL Lubricants cooperates with equipment manufacturers to create high-technology products for optimal performance and protection of your machinery.



Innovation & Research

TOTAL invests in biotechnologies to find the most suitable components to reach energy efficiency through formulations designed in our Research Centers.

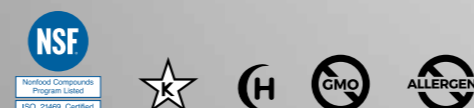
Quality and environment

TOTAL Lubricants ISO 9001 certification is the guarantee of a long term commitment to quality. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.

Safety Data Sheets are available at quickfds.com
lubricants.total.com



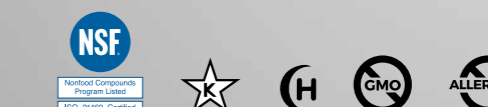
Fruit & vegetable processing



WITH MORE THAN 50 YEARS OF EXPERIENCE,

Our teams are committed to helping you get more from your equipment for optimum reliability, especially during harvest.

GRASP YOUR INDUSTRIAL PERFORMANCE.





Your challenges

- **Guarantee your equipment** is reliable and always available, especially during harvest.
- Use state of the art lubricants to **extend equipment lifetime** and reduce shutdowns.
- Maximize **food safety** by following **HACCP** best practices and using **NSF H1** products.
- Find an **experienced lubricant partner** to rationalize and optimize your process.

Our solutions

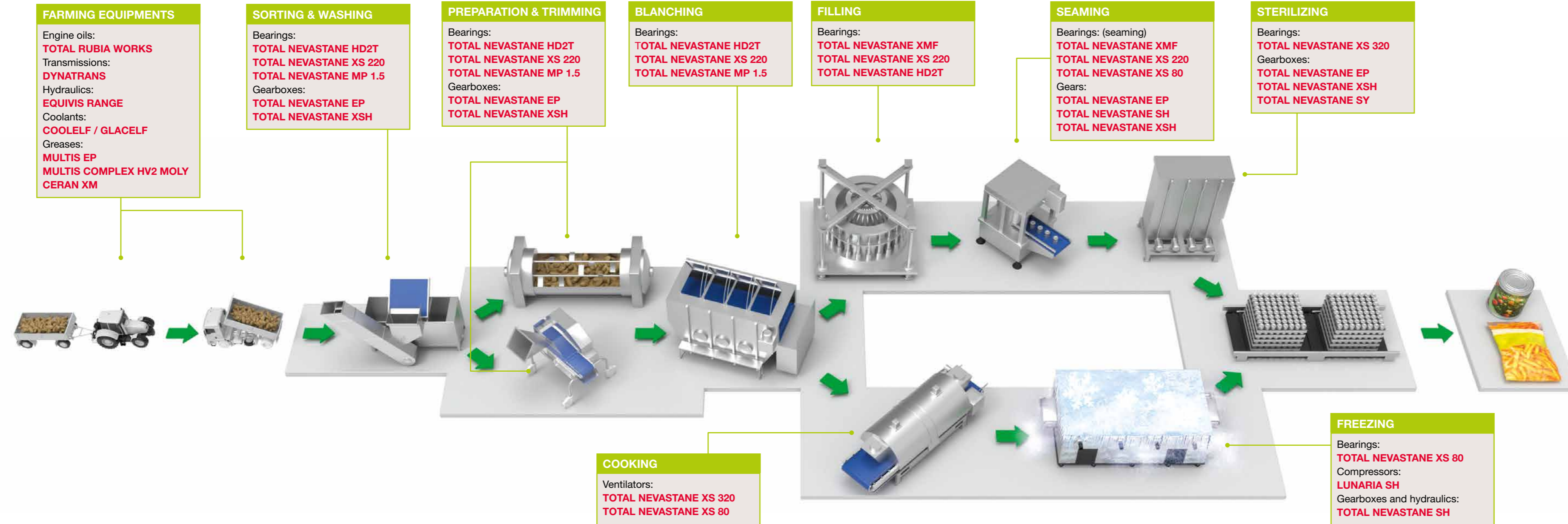
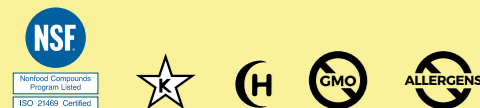
- **Efficient in every food processing application**, the TOTAL NEVASTANE range protects your equipment however severe the conditions are, including presence of juices residues and changing temperatures.
- A full range of **NSF H1** registered lubricants adapted to the possibility of incidental contact with food.
- International network of subsidiaries ensuring **local and technical support**, and a robust **supply chain** that maximizes worldwide product availability.
- Total is an **experienced multispecialist** able to offer a large range of specialized lubricants.



Food industry requires state-of-the-art lubricants, able to deliver high performance under extreme field conditions.

Beyond the performance of our lubricants. Total Nevestane has been developed to comply and exceed the highest requirements of food safety.

Food safety: No worries !



GREASES:

Products	Applications	Thickener	Temperature range	Humidity resistance	Washout resistance	Extreme pressure properties	Specific advantages
TOTAL NEVASTANE XMF	Seaming	Aluminium complex	-20°C to +150°C	2	2	2	Extreme pressure and multipurpose grease.
TOTAL NEVASTANE HD2T	Trimming	Aluminium complex	-20°C to +150°C	2	2	2	Excellent adhesiveness. Contains PTFE additives.
TOTAL NEVASTANE XS 320	Sterilizing, cooking	Calcium sulfonate complex	-40°C to +180°C	3	2	3	Extreme Pressure performances over a wide range of temperatures. Slow and medium motion. Excellent water resistance.
TOTAL NEVASTANE XS 80	Freezing and fans	Calcium sulfonate complex	-55°C to +180°C	3	2	2	High performances at high speed or at very low temperatures.

OILS:

Products	Applications	Base oil	ISO VG	Specific advantages
TOTAL NEVASTANE XSH	Gears	PAO synthetic	150 to 460	High loads and extension of oil drain intervals.
TOTAL NEVASTANE EP	Gears Seamers	Semi-synthetic	100 to 1000	Extreme pressure. Adapted to a wide range of applications.
TOTAL NEVASTANE AW	Hydraulics	White oil	22 to 68	Excellent anti-wear and corrosion protection.
TOTAL NEVASTANE SH	Hydraulics	PAO synthetic	32 to 100	Excellent hydraulic systems protection especially at low temperature conditions.
LUNARIA SH	Compressor	PAO synthetic	100 to 1000	Refrigerating compressor oil that have been designed specifically for food industry, using NH3/ammonia. Evaporator temperature down to -50°C.

DEDICATED OILS

- **TOTAL NEVASTANE EP:** Semi-synthetic oil for **gears and bearings**, adapted to a wide range of applications. Excellent extreme pressure properties and widely use in canning industry as **seamer oil**. NSF H1 certified.
- **TOTAL NEVASTANE XSH:** PAO synthetic oil for **gears and bearings**, adapted to high loads and wide temperature range. Extension of oil drain intervals. NSF H1 certified.
- **TOTAL NEVASTANE SY:** PAG synthetic oil for **gears**, reduce operating temperatures due to low friction coefficient. Resistant to severe temperature conditions and high loads. NSF H1 certified.
- **TOTAL NEVASTANE AW:** White mineral oil for **hydraulic systems**. Excellent anti-wear and corrosion protection. NSF H1 certified.
- **TOTAL NEVASTANE SH:** PAO synthetic oil, excellent **hydraulic systems** protection especially at low temperature conditions. High viscosity index. NSF H1 certified.
- **EQUIVIS ZS:** Mineral oil for **hydraulic systems** operating outdoors. Extension of oil drain intervals due to a very good thermal stability and resistance to oxidation.
- **AZOLLA ZS:** Mineral oil for **hydraulic systems** adapted to a wide range of application. Reinforced protection of the equipment thanks to anti-wear and anti-corrosion properties.

SPECIAL GREASES

- **MULTIS EP2:** Multipurpose grease, with excellent extreme pressure properties. Enable to rationalize stocks and simplify maintenance operations.
- **TOTAL NEVASTANE XMF:** Multipurpose extreme pressure grease, suitable for high to medium speed bearings in food processing industry. Provides excellent corrosion protection and water resistance. NSF H1 certified.
- **TOTAL NEVASTANE HD2T:** Multipurpose tacky grease with excellent adhesiveness particularly on metallic surfaces. Excellent washout resistance, contains PTFE additives. Developed especially for food processing. NSF H1 certified.
- **TOTAL NEVASTANE XS 220-320:** Multipurpose grease, extreme pressure and very high performances synthetic grease for application in food processing industry over a wide range of temperatures. Excellent water resistance, long service life. NSF H1 certified.
- **ALTIS EM2:** Polyurea grease, high performance suited for high speed bearings and high temperature applications such as electric motors.
- **TOTAL NEVASTANE XS 80:** Synthetic grease, extreme pressure very high performances synthetic grease for high speed and very low temperatures applications in food processing industry such as electric motors and fans. NSF H1 certified.
- **TOTAL NEVASTANE XM 100:** Multipurpose grease for lubrication under severe conditions and high speed applications. NSF H1 certified.

SPECIFIC PRODUCTS

- **LUNARIA SH:** Refrigerating compressor synthetic oil that have been designed specifically for food industry, using NH3/ammonia. Evaporator temperature down to -50°C. NSF H1 certified.
- **LUNARIA NH:** Refrigerating compressor mineral oil, using NH3/ammonia. Evaporator temperature down to -30°C.
- **PV SH 100:** Semi-synthetic oil for **vaccum pumps**, suitable for incidental food contact. NSF H1 certified.
- **LUBRICANTS AEROSOL:** oils, greases, silicone,... NSF H1 certified.

