

# The benefits offered by TOTAL

## TOTAL ANAC INDUS

provides you a full range of lube oil analysis, to allow you to anticipate and diagnose anomalies in the equipment. This solution is both preventive and corrective.



Thanks to TOTAL ANAC INDUS, you:

- 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 equipment.
- Improve the reliability and performance** of your equipment.

## TIG6, optimized maintenance software for your lubricants



TIG6 allows you to boost your productivity through efficient maintenance planning.

Built on the expertise of our engineers, TIG6 offers you to:

- Increase efficiency** and savings of your maintenance management.
- Monitor lubricant parameters and analyses** with a single tool.
- Assert your quality and safety management** through management of lubricant documentation and critical points.

## Plan your orders with our Vendor Managed Inventory solution.

VMI enables you to:

- **Save costs** of stock shortage and over-stocks.
- **Optimize** and simplify your lubricant **stock management.**
- **Control** your lubricant **consumption.**

### 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 production of your machinery.

5 good reasons for choosing TOTAL

### 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

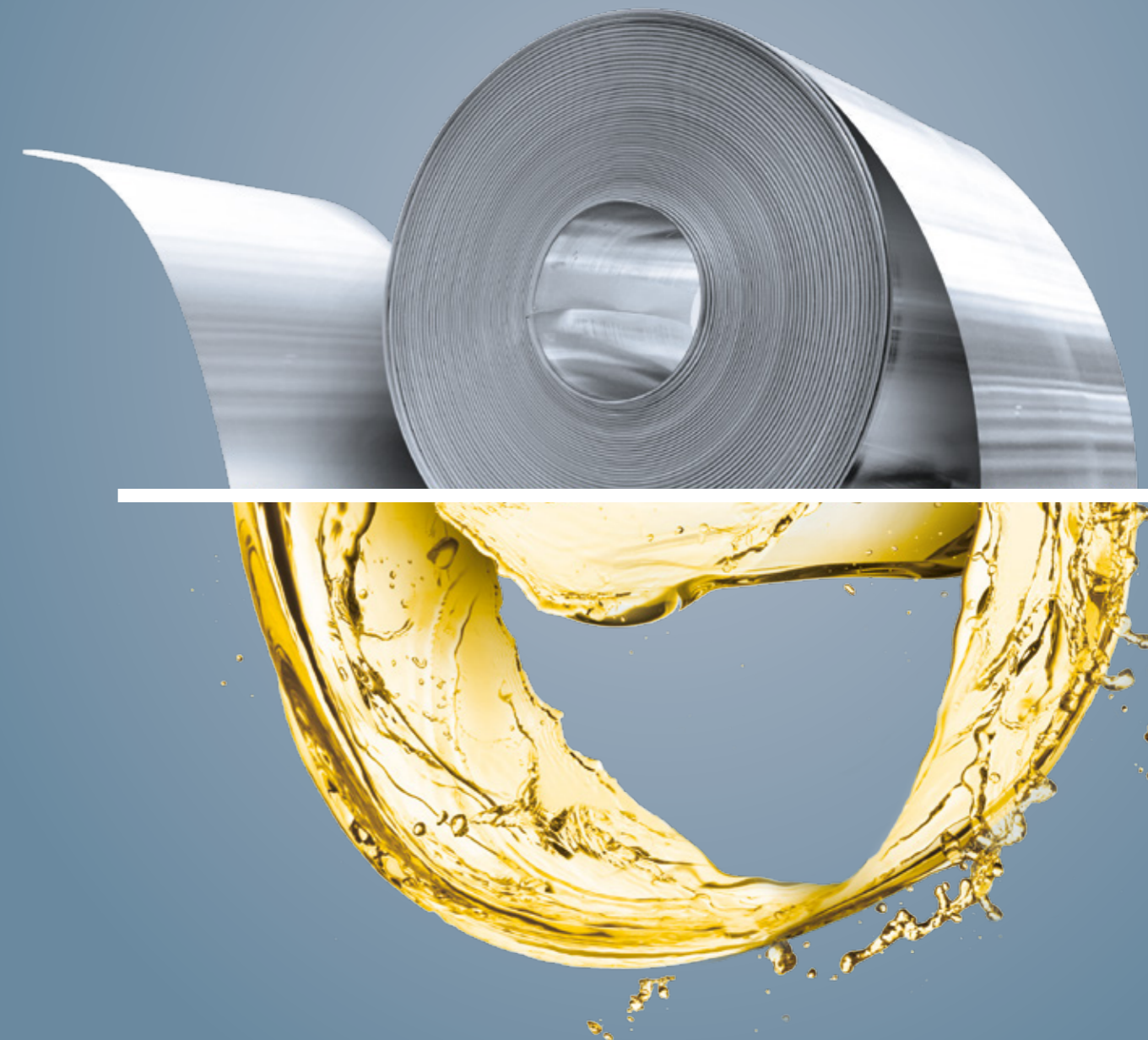
TOTAL Lubricants ISO 9001 certification is the guarantee of a long term commitment to quality. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.

Safety Data Sheets are available at [www.quickfds.com](http://www.quickfds.com)  
[www.industrial.lubricants.total.com](http://www.industrial.lubricants.total.com)



**TOTAL**  
COMMITTED TO BETTER ENERGY

10/2016 - TOTAL Lubricants SA 552 006 454 RCS Nanterre - Photos: 123RF - Illustration: Analogue, Design: GOLDEN Design



## ALUMINUM ROLLING INDUSTRY

Reliability and productivity with TOTAL lubricants



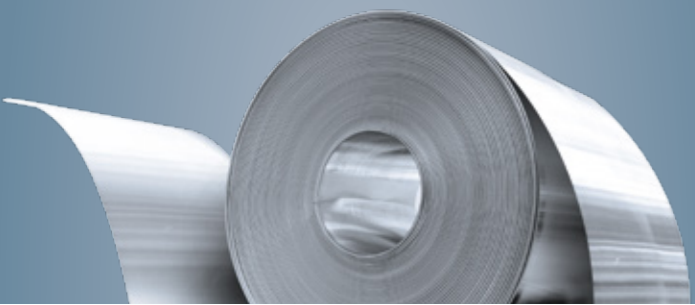
**TOTAL**  
LUBRICANTS

Energizing performance. Every day



**TOTAL**  
LUBRICANTS

Energizing performance. Every day



## Your challenges

- **Enhanced reduction rate per pass**  
In a very competitive business, productivity is the key
- **High rolling speed**  
To meet the growing demand in aluminum
- **Reliable product quality**  
Good quality in the production output, including a clean rolling surface, is a critical point
- **Safety and sustainable development**  
Make the workshop atmosphere safe  
Meet the high food grade product demand

## Our solutions

- **Innovative high-performance products**  
Constant improvement of our products to meet your technical needs
- **More sophisticated additives blended in our hydrogenated base oils (HDA® process)**
- **Stability of the products characteristics, and narrow distillation ranges**  
Low consumption  
No residue
- **Products reduced health and environmental impacts**  
High flash point and low aromatics content  
Food and Drug Administration approved products



# ALUMINUM ROLLING INDUSTRY

Aluminum is one of the key engineering materials of our time.

As an involved company in aluminum rolling, the ongoing challenge for TOTAL is to satisfy the growing demand in aluminum, through a complete dedicated lubricant range.

Our main objective is to bring you:

- Productivity
- Cost savings
- Performance
- Sustainability

### NON STAINING MAINTENANCE LUBRICANTS

**AZOLLA AL** NSF  
**CARTER ALS**

### FOIL DOUBLING

### TENSION LEVELLING

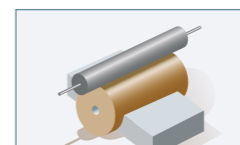
**MARTOL EV 10 CF**

### FOIL DE-DOUBLING

### TENSION LEVELLING

### STAMPING

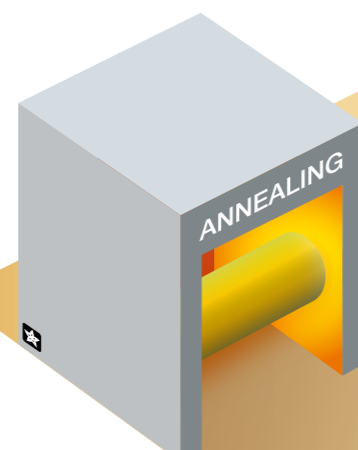
**MARTOL FMO** NSF



**ROLL GRINDING**  
**VULSOL 5000**




**EDGE TRIMMING AND SCALPING**  
**VALONA MQL**



### COLD ROLLING

### SLITTING

### COLD ROLLING OILS

**LUBRILAM S**  
**LUBRILAM BIO**   
ADDITIVES:  
**LUBRILAM ADD 31**  
**LUBRILAM ADD 40**  
**LUBRILAM ADD OX**

### PRELUBRICATION OF COIL

**MARTOL FMO** NSF

### FUME RECOVERY SYSTEM

**LUBRILAM CLEANER H1** NSF

 BIODEGRADABLE

 NSF H1 suitable for incidental food contact / 3H suitable for direct food contact

## OUR ANSWER TO ALL YOUR NEEDS

### Key range

#### ■ **LUBRILAM S**

Cold rolling oil, with low aromatic compounds and high flash point.

#### ■ **LUBRILAM ADD**

Series of various performance additive concentrates for rolling oils.

#### ■ **LUBRILAM CLEANER H1** NSF

Scrubbing oil for fume recovery systems (NFS H1 approval).

### Alu offer

#### ■ **AZOLLA AL** NSF

Non-staining hydraulic oil, suitable for incidental food contact (NFS H1 approval).

#### ■ **CARTER ALS**

Non-staining enclosed gear lubricant for back-up rolls in rolling process.

#### ■ **MARTOL FMO** NSF

Food grade lubricant for pre-induction before stamping and deep drawing in aluminum packaging production (NSF 3H approval).

#### ■ **MARTOL EV 10 CF**

Fast vanishing oil for tension levelling.

### Sustainable development solution

#### ■ **LUBRILAM BIO**

Bio-based cold rolling oil, with low aromatic compounds and high flash point.

### Annexe operations

#### ■ **VULSOL 5000**

Chlorine free sprayable neat oil for roll grinding.

#### ■ **VALONA MQL**

Synthetic fluid for edge trimming and scalping.



**TOTAL**  
**LUBRICANTS**