



Folia

Innovative
metalworking
fluid technology

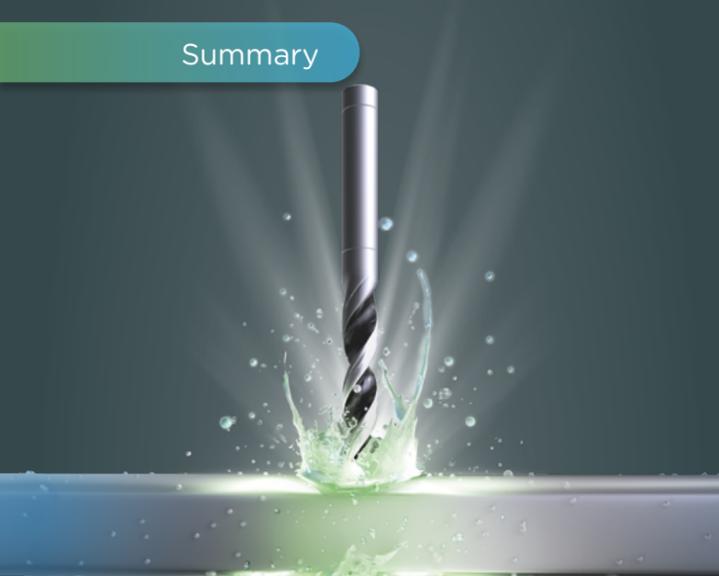
**The outstanding
solution** for you
and your operations



TotalEnergies

Summary

- The revolution in the field of metalworking - key benefits
- Technical data and specifications
- Health, safety and performance
- Five good reasons for choosing TotalEnergies Lubrificants



More savings



Eco-friendly



Higher productivity



More satisfied employees



Less maintenance

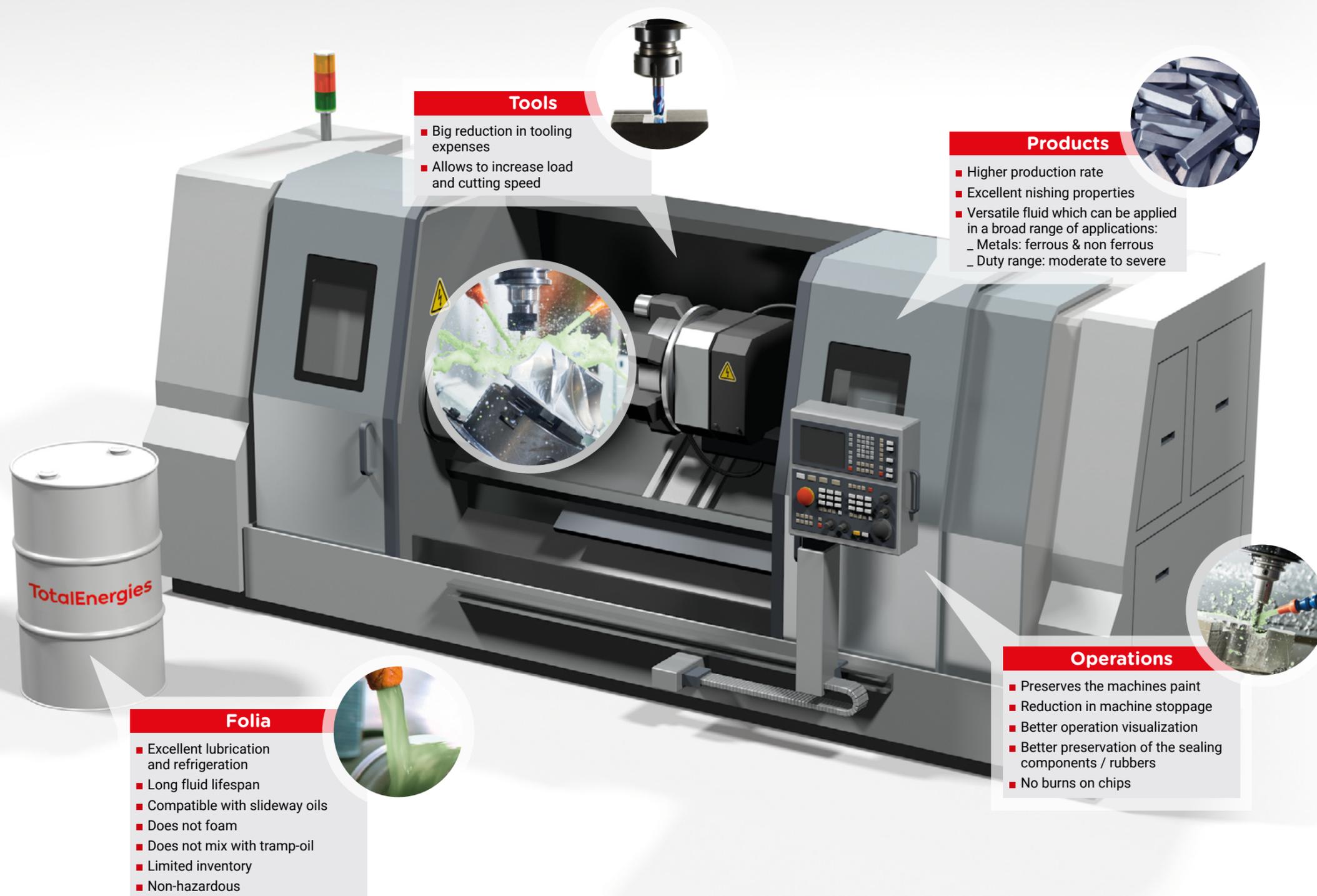
Folia

The Folia range is a revolution in the field of metalworking. It is an innovative water-based technology free of oils and emulsifiers.

With a high lubricity and an excellent cooling power, it offers users a unique solution for multiple metalworking operations.

HIGH

LUBRICITY
COOLING POWER
VERSATILITY



Tools

- Big reduction in tooling expenses
- Allows to increase load and cutting speed

Products

- Higher production rate
- Excellent nishing properties
- Versatile fluid which can be applied in a broad range of applications:
 - _ Metals: ferrous & non ferrous
 - _ Duty range: moderate to severe

Folia

- Excellent lubrication and refrigeration
- Long fluid lifespan
- Compatible with slideway oils
- Does not foam
- Does not mix with tramp-oil
- Limited inventory
- Non-hazardous

Operations

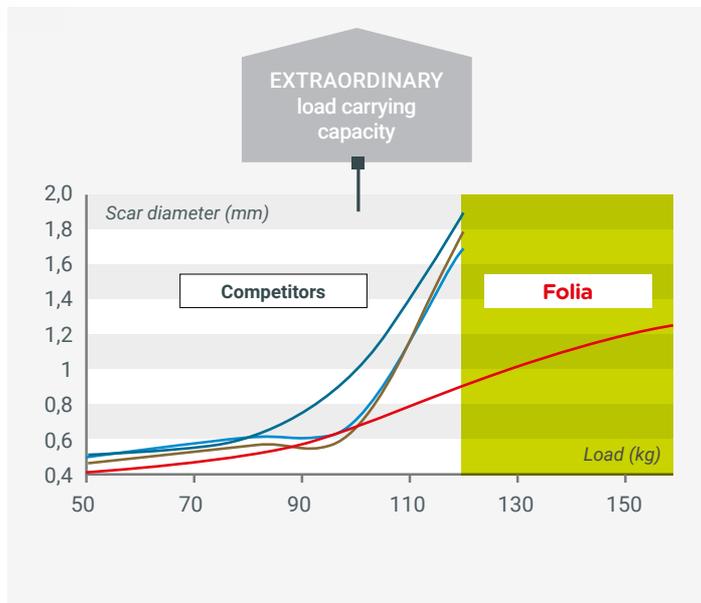
- Preserves the machines paint
- Reduction in machine stoppage
- Better operation visualization
- Better preservation of the sealing components / rubbers
- No burns on chips



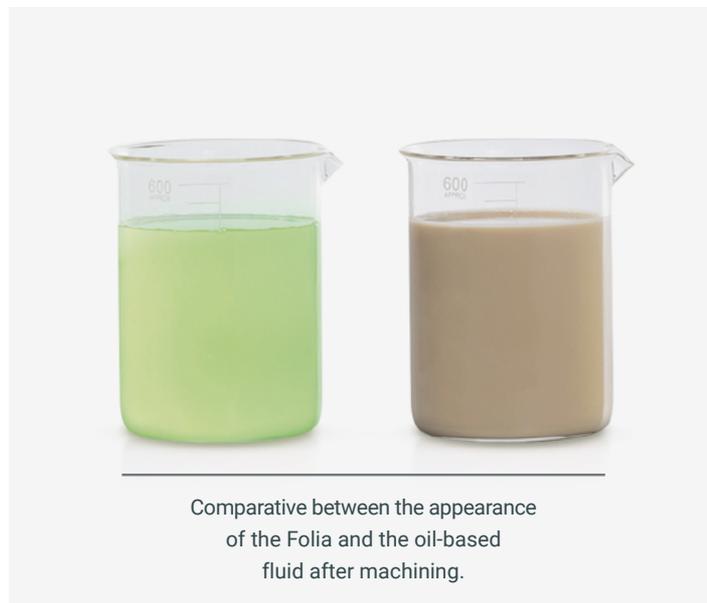
TECHNICAL DATA AND SPECIFICATIONS

FOUR BALL TEST

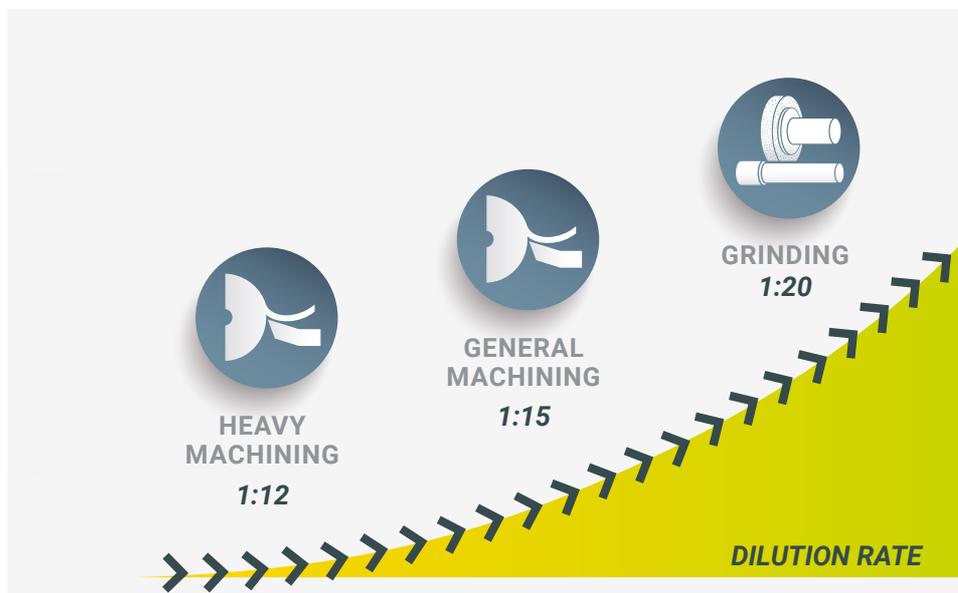
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VISUAL & COLOR



DILUTION RATE



Health, safety & performance

Using advanced technologies we bring to the market an innovative metalworking fluid free of oil and emulsifiers, providing the best performance and comfort for the operators and their environment.



- Less hazardous components
- Boron free technology
- No pictograms



- Reduced odour
- Reduced risk of Dermatitis
- Reduced mist and fumes
- Improved workspace cleanliness



- Longer tool lifetime
- Longer fluid timespan
- Less consumption
- Increased productivity

Product overview

Products	Materials							Applications			
	Aluminum (Si >7%)	Copper alloys	Carbon steels	Cast iron	Carbide tool steels	Stainless steels	Inconel & titanium alloys	Grinding	Milling, Sawing, Turning, Threading	Drilling, Reaming, Tapping	Broaching
Folia A 7000
Folia B 7000 D
Folia G 5000
Folia V 7000*
Folia W 7000

*Biocide free

Legend: • Possible / .. Suitable / ... Designed for

OUR LUBRICANTS PROTECT BEYOND JUST TOOLS



A major player

With our production, supply chain and commercial presence in more than 160 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

TotalEnergies Lubrificants cooperates with equipment manufacturers to create high-technology products for optimal performance and production of your machinery.

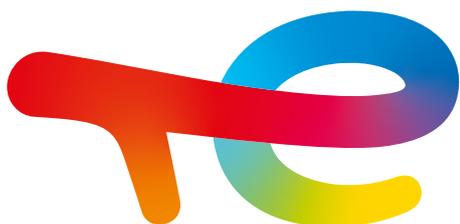


Innovation & Research

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

Quality and environment

TotalEnergies Lubrificants ISO 9001 and 14001 certifications are the guarantee of a long term commitment to quality and environment. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.



TotalEnergies



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Safety Data Sheets are available at ms-sds.totalenergies.com



TotalEnergies Industry Solutions