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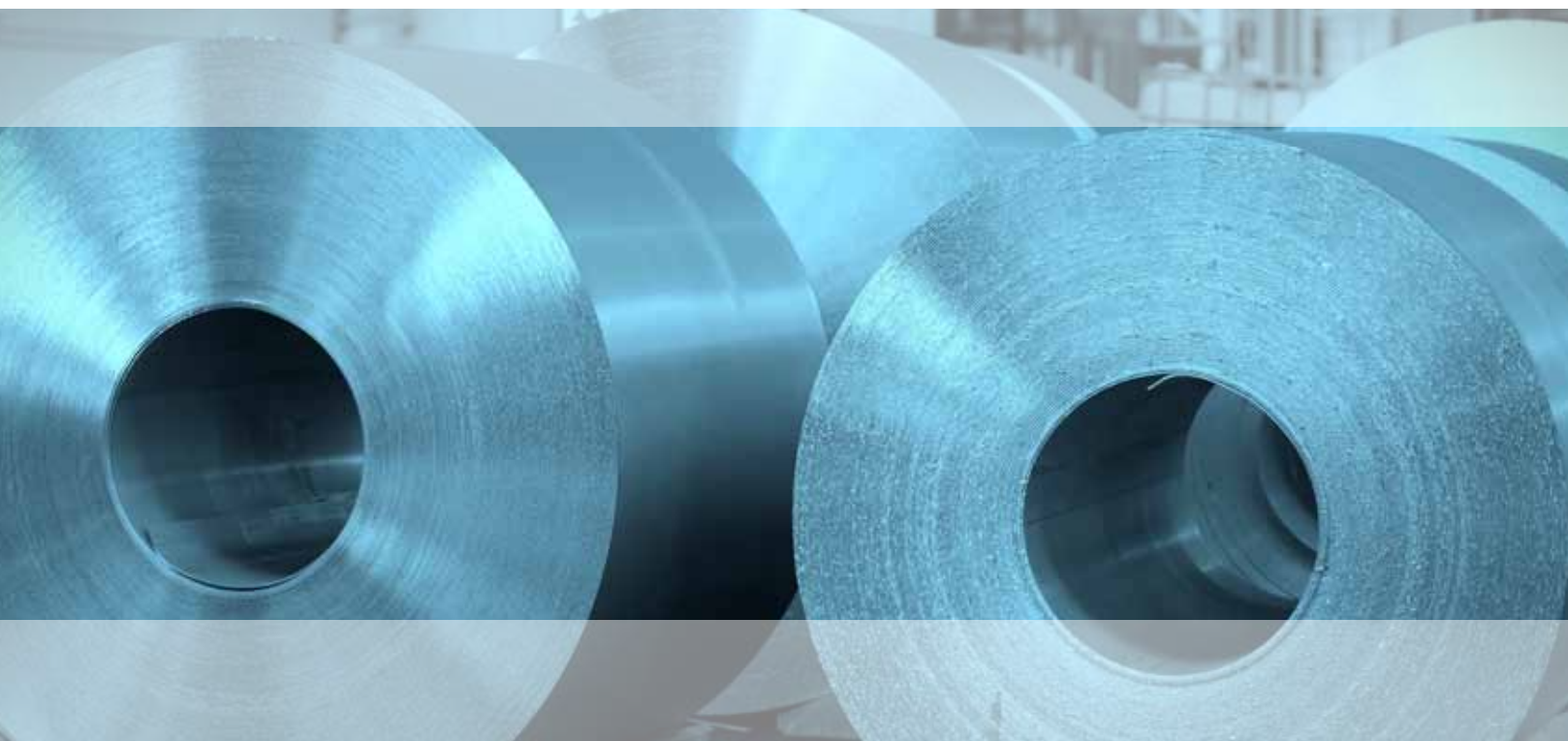
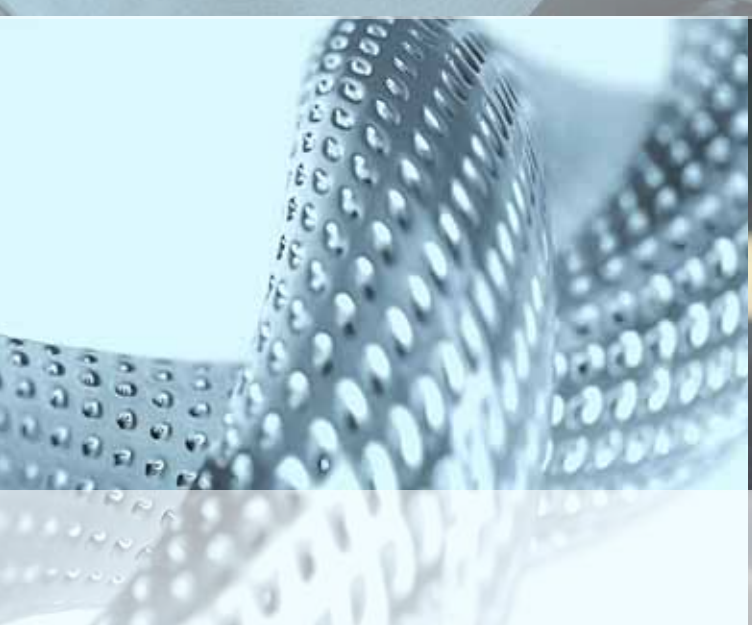
ALUMINIUM ROLLING & DRAWING

METALWX





Production Since 1958

METALWX

METALWX is Jodovit's dedicated range of high-performance metal-working / forming fluids, developed to meet the demands of modern machining operations.

Designed and manufactured in Italy, METALWX combines advanced lubrication technology, reliable cooling performance and sustainable formulations to maximize productivity, extend lubricant shell life and improve workplace safety.

Supported by Jodovit's in-house research laboratories and technical specialists, every product is engineered to deliver consistent performance across a wide range of machining applications.

Possibility of partially reusing exhausted lubricant through appropriate chemical treatment.

MADE IN ITALY	TECHNICAL SUPPORT	SUSTAINABLE FORMULATIONS	QUALITY CONTROL	IN-HOUSE R&D
Designed and manufactured by Jodovit.	Customized solutions for every process.	Safer chemistry and lower environmental impact.	Strict quality standards in every stage of production.	Continuous research and product development.

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MELT TREATMENT BEFORE ROLLING PROCESS

Before aluminium enters the rolling process, melt quality must be carefully controlled. Jodovit provides selected chemical auxiliaries to improve metal cleanliness, maximise recovery and protect equipment, creating the ideal conditions for downstream rolling operations.

SCOREX	VERNIX	ELIMINAX
Fluxes for dross separation and metal recovery. Improve yeld and reduce losses.	Protective coatings for tools and refractory surfaces. Extend equipment life and improve process stability.	Refining fluxes for alloy quality improvement. Reduce inclusions and unwanted elements.

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HOT ROLLING

METALWX LM rolling oils are specifically developed for aluminium hot rolling applications, providing excellent lubrication stability, reliable process performance and outstanding strip quality throughout the entire rolling operation.

APPLICATIONS

- Breakdown mill
- Finishing mill
- Tandem mill

WHY METALWX?

- Stable emulsion
- Better strip surface quality
- No in-line additives
- Lower maintenance
- Reduced Roll wear
- Reduced operating costs

HYDRAULISTIC FLUIDS

Compatible with hot rolling oils.

ROLL GRINDING FLUIDS

Low environmental impact.

COLD ROLLING

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Jodovit offers a complete portfolio of chemical additives and auxiliary fluids specifically developed for high-speed aluminium cold rolling.
Our solutions improve lubrication efficiency, process stability and surface quality while ensuring maximum compatibility with modern rolling systems.

PERFORMANCE ADDITIVES	HYDRAULIC FLUIDS	ROLL GRINDING FLUIDS
High wettability High polarity Lubrication efficiency	Compatible No staining High stability	Environmentally friendly Longer tool life Better roll finish

COMPLETE SOLUTIONS
FOR HIGH-SPEED
COLD ROLLING PROCESSES.

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CONTINUOS CASTING - STRIP PRODUCTION

HOT STRIP MILL

Jodovit release agents and hot rolling lubricants are designed for continuous casting and hot strip mills; ensure clean surfaces, high performance, and consistent quality even under severe conditions. HYFLUIDOX ECO range are water-based, fire-resistant hydraulic fluid that delivers maximum safety and a long service life.

BENEFITS

Excellent release properties
Reduced surface defects
Cleaner working surfaces
Higher productivity
High-temperature compatibility

COLD STRIP MILL

Jodovit chemical additives for aluminium cold rolling are formulated to optimise lubrication, wettability and cooling while preserving excellent strip surface quality.
Dedicated hydraulic fluids are specifically developed to prevent staining and ensure maximum system reliability.

BENEFITS

High wettability
High polarity
Improved lubrication
Better process efficiency
Superior surface quality
Optimal clenaing performance

HYFLUIDOX ECO

ROD PRODUCTION - CONTINUOS CASTING

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ROD MILL

METALWX emulsifiable lubricants are developed for Properzi continuous rod mills, ensuring process stability, hydrodynamic lubrication and superior rod quality during rolling operations. HYFLUIDOX ECO complements the process with a fire-resistant hydraulic fluid designed for maximum safety and long service life.

BENEFITS

Ideal for high-speed rod mills
Optimised hydrodynamic lubrication
Extremely clean rod surface
Reduced breakage risk
Higher reductions per pass

COLD DRAWING

METALWX drawing oils are specifically developed for aluminium rod, wire and tube drawing applications. Their advanced lubricating technology reduces friction protects drawing dies and improves the final surface quality, ensuring reliable and stable production under demanding operating conditions.

BENEFITS

Excellent lubricating performance
Reduced die wear
Superior surface finish
Long lubricant life
Chlorine-free formulations

Water-based, fire-resistant, glycol-free hydraulic fluid designed for high-temperature applications, combining operational safety, excellent lubricating performance and environmental compatibility.

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DOWNLOAD CATALOGUE

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