



Food Industry Approved

The very first step in manufacturing paper and carton food packages takes place at the producer of paper and board. In today's modern world and with the ever growing concerns for consumer safety and health awareness the technology of the lubrication and paper and board machines needs to be revised and changed dramatically.

Together with leading European producers of paper and board Matrix Specialty Lubricants has developed, tested and successfully launched a line of products that is non-toxic, food grade and offers ultimate lubrication performance. By these means, we are meeting performance requirements as well as the ever increasing demands by consumer organization and aware food producers who care for our health. By replacing conventional and traditional paper machine lubricants we offer an alternative that do not only comply to but also are ahead of today's standards by the food and paper industries, both on performance and consumer safety.

The Matrix Foodmax® range is NSF, Kosher and Halal approved.



*The Right Lubricant
for the Right Application*

Food Grade Lubricants for the Paper Industry



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*Made in the
European Community*



Challenges and Solutions in Paper and Board Production

Challenge	Solution
Parts subjected to steam and water	<i>Hydrolytic and thermally stable lubricants</i>
Elevated temperatures, either under normal or peak conditions	<i>Foodmax® lubricants are designed to handle temperature fluctuations and provide protection also in challenging thermal conditions</i>
High oil consumption in paper and board machines	<i>The use of Foodmax® circulation oils reduces oil consumption by 10%</i>
Increased wear as a result of frequent start-stop operations	<i>Foodmax® lubricants are designed to offer maximum protection on start-up</i>
Oil contamination by process chemicals	<i>Foodmax® circulation oils offer excellent filterability. Matrix offers oil analysis and trend monitoring to ensure performance</i>
Numerous amount of lubrication points	<i>High performance standards of Foodmax® lubricants allow standardization and rationalization of your current lubricants portfolio by using advanced technology</i>
Temperature control and grease degradation in high bearing speeds	<i>Reducing internal friction increases grease and bearing lifetime</i>
Lack of hydrodynamic lubrication in low speed and heavily loaded bearings	<i>High viscosity base oils and functional thickeners used in greases are the solution to premature wear and unexpected bearing breakdowns</i>
Static electricity build-up in high-flow filters in the wet end	<i>A zinc-free and non-toxic, high performance hydraulic lubricant that releases static electricity</i>
Strict OEM requirements	<i>A pro-active and knowledge based approach of OEM's by Matrix Specialty Lubricants</i>
Fulfill latest demands from food producers requesting food safe paper and board products	<i>Foodmax®: High technology food grade lubricants outperforming conventional oils</i>



Performance and Approvals

The food grade paper machine lubricants from Matrix Specialty Lubricants have been approved by the leading paper machine OEM's and meet performance requirements set out by the major paper machine manufacturers.

Matrix Specialty Lubricants is also partnering up with companies that offer solutions in process control, combining best of both technologies in tailor-made solutions for paper and board manufacturers that are looking to improve the quality control procedures. We are here to offer our knowledge for you to increase performance standards, quality of your products help you diversify and grow a competitive edge in the paper industry.



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Product Range

Application Type	Section	Products
Circulation Oils	Wet, press and dry section	Foodmax® Gear PAO Foodmax® Gear
Hydraulic Oils	Wet, press and dry section	Foodmax® AW PAO Foodmax® AW
Bearings	Low speed bearings	Foodmax® Grease CAS S 2 LS Foodmax® Grease Fluor HT 2
	High speed bearings	Foodmax® Grease CAS S 2 HS
	Laminating Plant	Foodmax® Grease ASP 2
Calendering Sections	Dry end	Foodmax® PMO SE
Heat Transfer Systems	Dry end	Foodmax® HTF
Conveyors	Transport	Foodmax® Chain
Assembly	Construction and maintenance	Foodmax® Assembly Paste
Compressors		Foodmax® Air Foodmax® Air PAO

