



Master Fluid
SOLUTIONS®

TRIM™ - Cooling lubricants



**CUTTING-EDGE
METALWORKING
SOLUTIONS**



Master Fluid Solutions is a leading manufacturer of metalworking fluids with a European competence center in Düsseldorf. Under the brands TRIM™ and WEDOLiT® , the company offers high-performance products for the highest technical requirements, productivity and efficiency.

TRIM™ features versatile, water-miscible cutting and grinding fluids for metal cutting. The products convince with their long sump life, high efficiency and process stability. In addition, Master STAGES™ system and surface cleaners ensure for efficient machine and workpiece cleaning.

WEDOLiT® offers high-performance products for temporary corrosion protection, cold forming (e.g. pipe drawing) and expander oils for non-cutting metal processing operations.

Our product portfolio offers cost benefits through lower consumption, shorter cycle times and minimized tool wear. With innovative metalworking fluids, we support our customers in making their metalworking processes more efficient and sustainable.



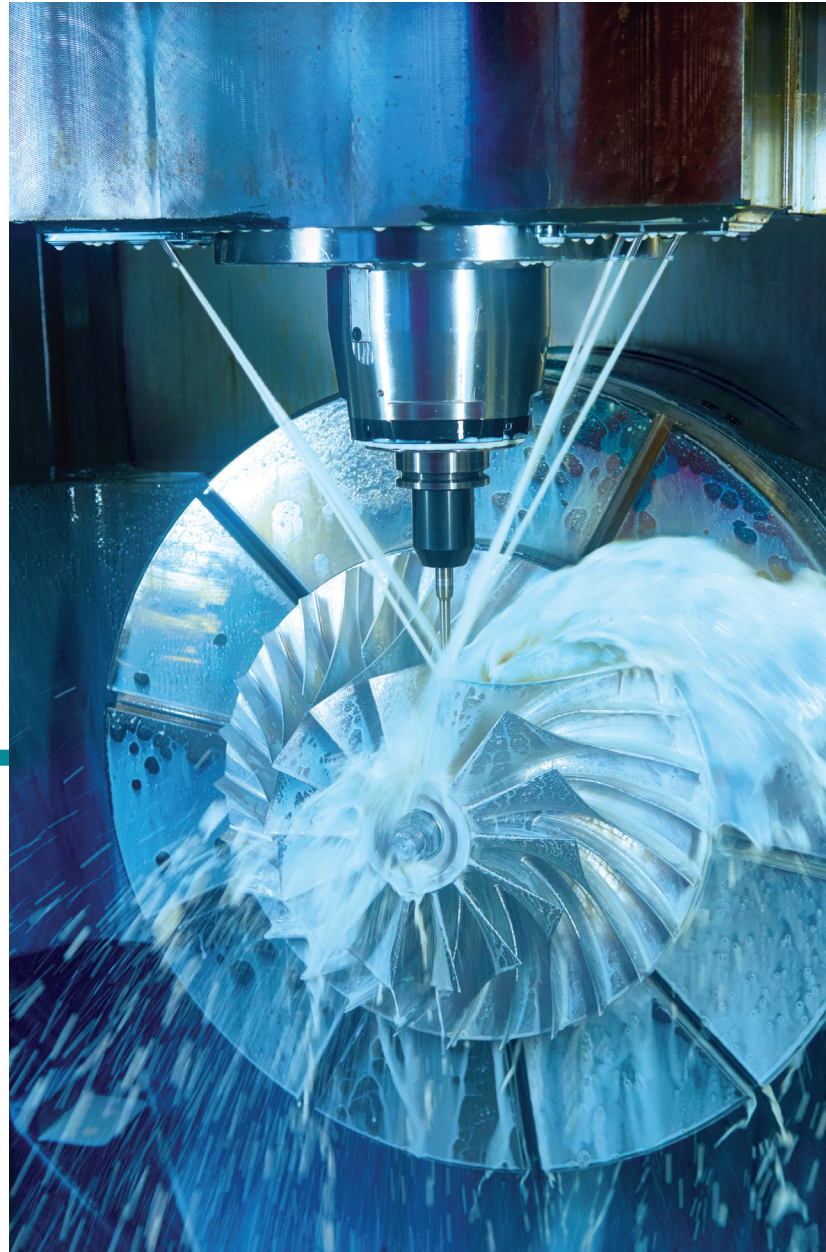
CUTTING-EDGE METALWORKING SOLUTIONS

TRIM™ -Product		Mineral oil	EP Additives	Polar Additives	Boron-free	Formaldehyde-free	Biocide-free	Aerospace approval	Product Description
Synthetics	TRIM™ C116	0%	-	-	✓	✓			Applications: grinding of cast iron and steel Very low foam; excellent filterability; very good cooling effect
	TRIM™ C120CG	0%	-	-	✓	✓			Applications: grinding of carbides, ceramics, cermets, chill cast alloys and tool steels Minimises cobalt leaching; very good cooling effect
	TRIM™ C270	0%	-	+		✓		✓	Applications: grinding, machining aerospace parts Very low foam; very good cooling effect
	TRIM™ C272	0%	-	+	✓	✓		✓	Applications: grinding, machining aerospace parts Very low foam; very good cooling effect
Semisynthetics	TRIM™ SC440	<10%	-	-	✓	✓			Applications: grinding, machining of cast iron and steel Good lubricity; very biostable; low foam
	TRIM™ SC415	20%	-	-		✓	✓		Applications: grinding, machining of cast iron and steel Good lubricity; very biostable; low foam
Neo-synthetics	TRIM™ HyperSol™ 888NXT	0%	+++	++++	✓	✓		✓	Applications: machining of titanium, super alloys, stainless steel Transparent; neo-synthetic technology; recommended for high-productivity environments
Microemulsions	TRIM™ MicroSol™ 456	20%	+	+	✓	✓			Applications: grinding, machining of cast iron and steel Low carry-off; perfect balance between cooling effect and lubricity; low foam; clean running
	TRIM™ MicroSol™ 515	30%	++	+		✓			Applications: grinding, machining of ferrous parts and aluminium Low carry-off; perfect balance between cooling effect and lubricity; extremely biostable; hard water tolerant
	TRIM™ MicroSol™ 519	20%	++	++	✓	✓		✓	Applications: grinding, machining of ferrous parts and aluminium Low carry-off; perfect balance between cooling effect and lubricity; extremely biostable; hard water tolerant
	TRIM™ MicroSol™ 530	20%	++	+++	✓	✓			Applications: machining of aluminium and steel alloys Low carry-off; perfect balance between cooling effect and lubricity; extremely biostable; very low foam; soft water tolerant
	TRIM™ MicroSol™ 585XT	35%	+++	+		✓		✓	Applications: machining all materials incl. aluminium; excellent for titanium milling Low carry-off; perfect balance between cooling effect and lubricity
	TRIM™ MicroSol™ 590XT	20%	+++	++	✓	✓		✓	Applications: machining of all materials; excellent aluminium surface finishes Low carry-off; perfect balance between cooling effect and lubricity
	TRIM™ MicroSol™ 651XT	20%	+++	++	✓	✓	✓		Applications: grinding, machining of steel, aluminum, titanium; excellent for silicon-containing aluminum alloys Low carry-off; perfect balance between cooling effect and lubricity
	TRIM™ MicroSol™ 690XT	35%	+++	+++	✓	✓	✓	✓	Applications: machining of steel, aluminum, titanium; excellent aluminium surface finishes Low carry-off; perfect balance between cooling effect and lubricity
Emulsions	TRIM™ E715	50%	+	+++		✓		✓	Applications: grinding, machining of all metals Very good lubricity; low foam; very good stability; versatile; machine cleanliness
	TRIM™ E730	53%	+	+++	✓	✓	✓		Applications: grinding, machining of all metals Very good lubricity; low foam; very good stability; versatile; machine cleanliness
	TRIM™ E806	55%	+++	+++	✓	✓	✓	✓	Applications: esp. suitable for machining magnesium alloys Very good lubricity; high tolerance of Mg2+ ions; maximum sump life; non-staining to even the most sensitive alloys
	TRIM™ E850	55%	++	+++	✓	✓		✓	Applications: high-pressure machining of aluminum and super alloys Excellent lubricity; low foam
	TRIM™ E923	35%	++++	++++	✓	✓		✓	Applications: machining of aluminum, super alloys and yellow metals Excellent lubricity; suitable to replace neat oils
	TRIM™ E950	50%	+	++++	✓	✓		✓	Applications: high-pressure machining of aluminum, super alloys and yellow metals High-performance product; excellent lubricity; very low foam; soft-water tolerance; clean running;

* Please consult your account manager for our complete aerospace approval list

Our experts are ready to help you.
We analyze your specific operating conditions in detail and show you how you can save time, material and costs with a high-performance cooling lubricant - and at the same time sustainably optimize process quality.

For prices and additional information, please contact your Master Fluid Solutions representative.



www.masterfluids.com/eu/en/



©2017-2025 Master Fluid Solutions. TRIM® is a registered trademark of Master Chemical Corporation, doing business as Master Fluid Solutions. Master Fluid Solutions™ and MicroSol™ are trademarks of Master Chemical Corporation, doing business as Master Fluid Solutions. 2025-05-07