



MOTOREX[®]
Oil of Switzerland



SWISSLINE



SWISSCUT
CUTTING OILS



Photo: Variable-angle LCP two-column distal radius plate © by Synthes

Variable-angle LCP two-column distal radius plate.

SUCCESS FACTOR HIGH-TECH CUTTING OILS

There are certain success factors that go into every production process – the operator, the machine, the tool, the material and the cutting oil. The result is always only as good as the weakest link. Whether your work is done on seasoned machinery or on state-of-the-art tools and production centers, the cutting oil you use is always a determining factor in the success of your company's production processes.

By developing the pioneering SWISSCUT cutting oil product line, MOTOREX has made a major contribution to performance-oriented production processes. This achievement is not the work of MOTOREX's own developers and engineers alone, but also the result of the close collaboration with machine tool makers and users that takes place in MOTOREX Synergy Projects. This means that every SWISSCUT cutting oil now contains more experience and know-how than ever.

MOTOREX SWISSCUT is known for

- high-performance
- low consumption
- gentleness on equipment and operators
- safety and compliance
- ease of handling and long service
- reduced production costs



A CUTTING OIL FOR ALL PROCESSES

SWISSCUT cutting oils from MOTOREX open up new dimensions in all production processes, including sawing, turning, milling, drilling, reaming, broaching, honing, threading and spinning. A wide range of materials, including light and non-ferrous metals, high-alloy steel varieties, titanium, implant steel and cobalt-chrome alloys can usually be machined using one and the same cutting oil without making compromises. These fluids meet the stringent current in-house specifications of leading global automotive, medical and aerospace manufacturers.

Thanks to high-quality additives, all SWISSCUT cutting oils are extremely durable, with outstanding wear reserves even at high temperatures. The result is years of use and extended tool service life with no need to top up on additives.

Features that make SWISSCUT the perfect choice

- products for universal application
- suitable for all materials
- substantially longer tool service life
- low foaming tendency
- very low evaporation
- perfect workpiece surfaces
- extremely skin-friendly with neutral odor
- free of chlorine, zinc and heavy metals
- aging-resistant
- ideal machine compatibility
- extremely economical



Modern diesel injection nozzle with piezo actuator.

Photo: Bosch

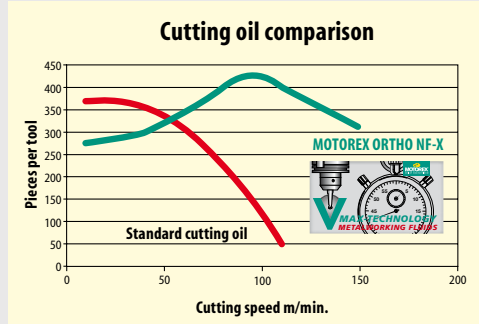


High-precision turned parts from bar stock for the watch industry.

TIME FOR EFFICIENCY: THE V_{MAX}-TECHNOLOGY

Anyone who works in metalworking will be particularly aware of the old saying that “time is money”. Particularly in precision turning, optimizing cutting data by using the right product from the SWISSCUT range can substantially reduce throughput times.

The MOTOREX Vmax technology in SWISSCUT cutting oils takes advantage of the heat generated during the machining process at just the right moment, creating positive chemical synergies for enhanced performance.



Find out how MOTOREX Vmax technology can help you unlock the optimization potential in your processes!





All SWISSCUT cutting oils can be easily cleaned off.

PERFECTION THROUGH TO FINAL CLEANING

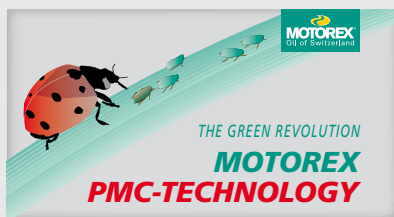
SWISSCUT cutting oils offer further benefits even after the machining process is done. The absence of critical ingredients makes the cleaning process (hydrocarbon vapor degreasing in sealed equipment) a simple task. These days cleaning is a key concern not only in medical device production, but nearly everywhere, especially among aerospace and automotive manufacturers and their supplier industries.

Reproducible and certifiable cleaning processes are now required in a growing range of applications. In practice, switching to a SWISSCUT cutting oil from the revolutionary MOTOREX range can result in savings of up to 50% of disposal costs with very little effort! SWISSCUT machining fluids provide the perfect foundation for efficient, cost-effective cleaning processes.

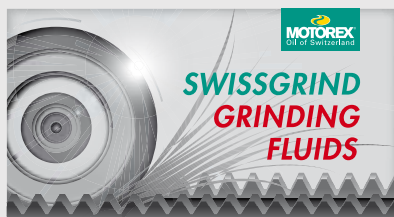




MAKE BIGGER LEAPS WITH MOTOREX SWISSCUT!



Water-miscible MOTOREX SWISSCOOL cooling lubricants are especially remarkable for their outstanding cutting performance. The unique precious metal catalyst (PMC) technology gives these cooling lubricants long-term stability through a biostatic effect that greatly extends the emulsion's service life and makes machining possible without the need for problematic substances.



MOTOREX's SWISSGRIND ZOOM SYNT high-performance grinding fluid is a valuable addition to the range of grinding products currently on the market. This innovative synthetic high-performance fluid is suitable for all grinding applications and has an enticing price-performance ratio.

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