

**The Golden Ratio:**  
Ideal solutions  
based on simple laws



# SWISSCOOL MEDICAL 8100

THE NEW POLYMER-TECHNOLOGY FROM  
MOTOREX FOR THE BEST PERFORMANCE

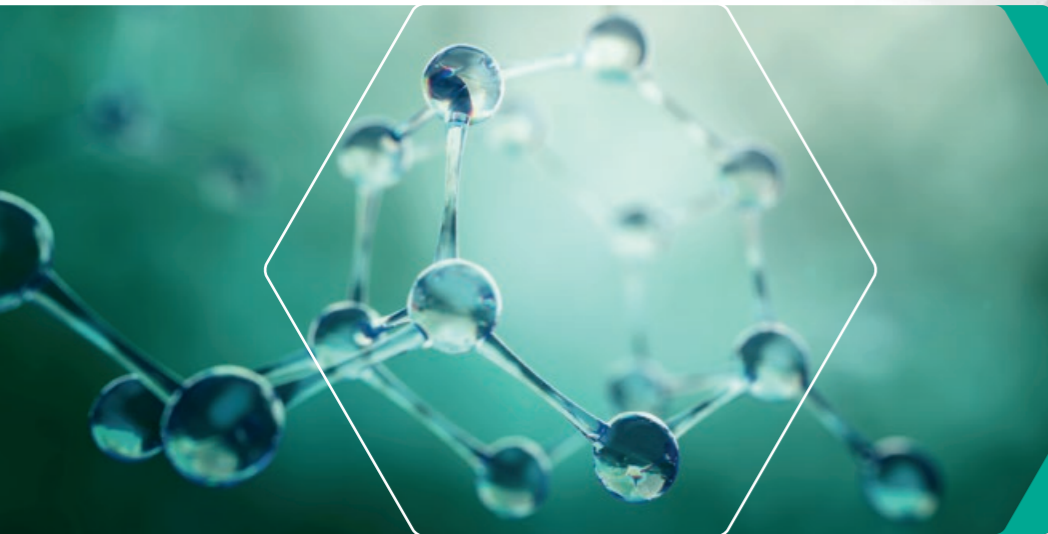
$$r(\vartheta) = \varphi^{2\vartheta/\pi}$$

# SWISSCOOL MEDICAL 8100

FOR MAXIMUM PRODUCTIVITY AND PROCESS RELIABILITY  
WITH LOW OPERATING COSTS

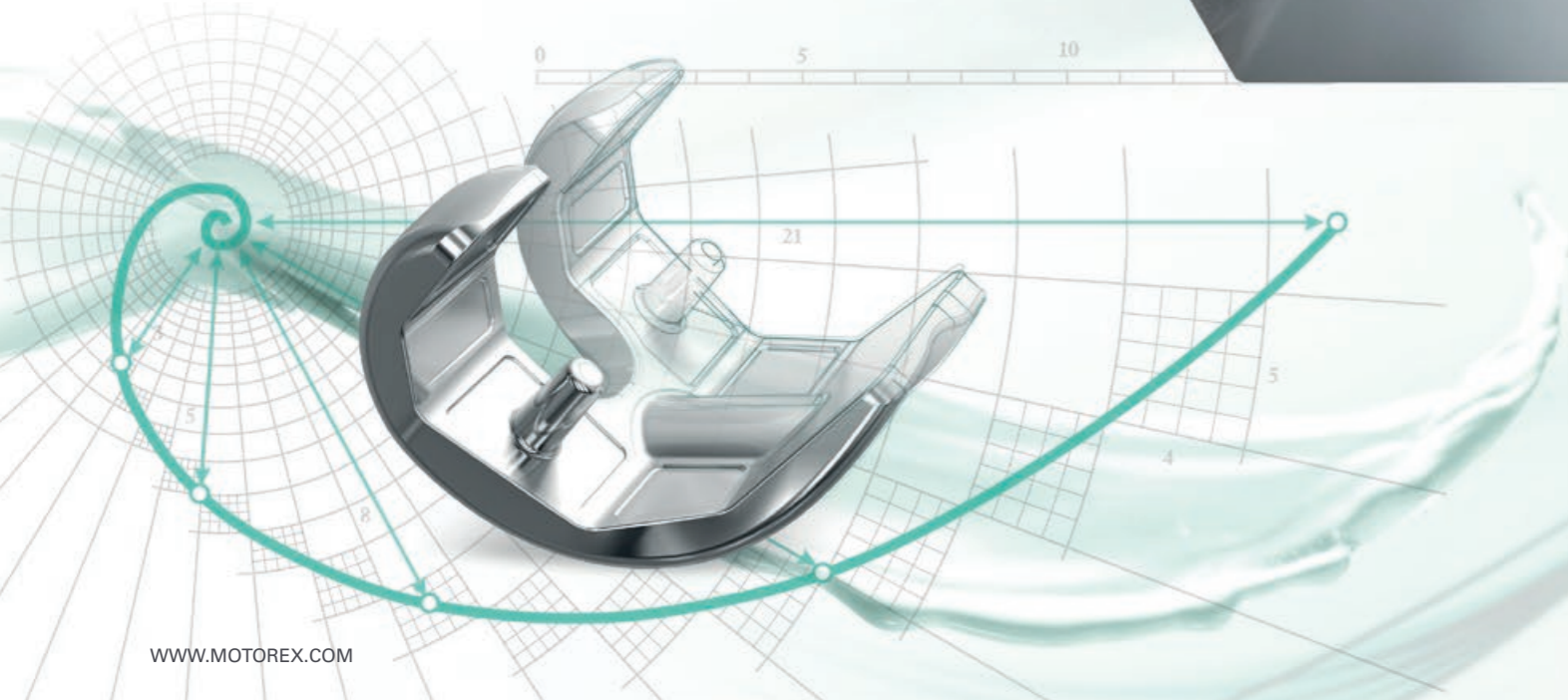
## Up to 30 % more cutting efficiency

In conventional water miscible cutting fluids, each additive has its own separate function. In our new polymer-technology, the additives work together as a team. This yields performance improvements of up to 30 % compared to traditional cutting fluids.



## Optimum process reliability

The new polymer-based emulsifier not only makes it possible to combine oil and water, but also boosts lubrication performance. It additionally ensures machining process reliability with preparation water hardness from 5°dH to 30°dH.



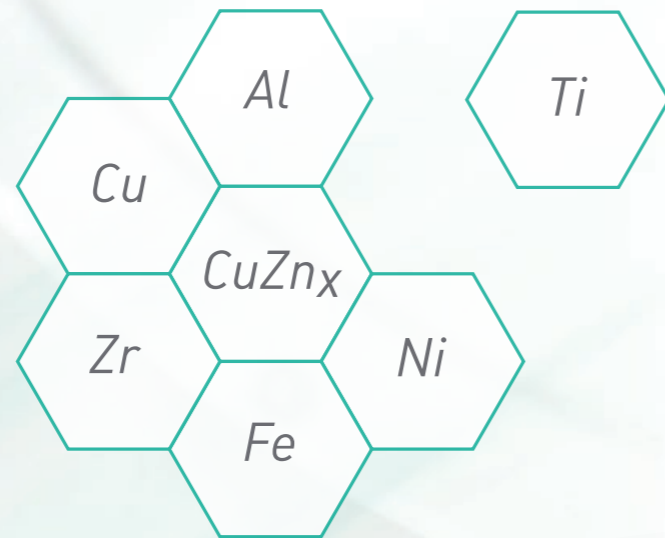
## Best quality – tested & certified

It is essential that the water miscible cutting fluids used for the production of implants intended for the medical industry have a good biocompatibility. SWISSCOOL MEDICAL 8100 is not cytotoxic according to ISO 10993-5. This demanding test ascertains the influence of the processing medium on the body viability. Water miscible cutting fluids are classified as not cytotoxic when the body viability is more than 70%. SWISSCOOL MEDICAL 8100 reached the very good result of over 80%.



### Low consumption

SWISSCOOL MEDICAL 8100's new polymertechnology has excellent flushing properties, keeping the machine very clean and reducing consumption to a minimum.



### Highly effective corrosion protection for a wide spectrum of applications

The new polymer-technology in SWISSCOOL MEDICAL 8100 protects machine and workpiece against corrosion and permits smooth cutting of critical aluminum alloys, titanium, high-alloy steels and non-ferrous metals.

### Excellent biostability

The complex structure of the new polymer-technology hinders nutrient intake by bacteria, thereby naturally inhibiting their growth.



### Conforms to current regulations

The innovative formula is free of chlorine, boric acid and formaldehyde. This makes it very gentle and ensures excellent compatibility with people, materials and machines.



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## **INDUSTRIALLINE** | A wide range of products

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- Cutting oils
- Grinding fluids
- Forming oils
- EDM oils
- Slideway oils
- Anti-corrosion fluids
- Cleaners
- All-purpose sprays

**SPINDLELINE**  
**SWISSCOOL**  
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**SWISSFORMING**  
**SWISSFINISH**  
**SWISSGLIDE**  
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