



**Industry and nature
blended together
in harmony...**



Coolant Concentrates

Switch to the exceptional, not just the functional. Switch to Hangsterfer's



Our bio-stable technology has evolved from the high quality Water-Soluble Oils (high oil content) into Semi-Synthetic (low oil content) and Full Synthetics (no oil content). Hangsterfer's only uses highly refined, ultra-pure ingredients.

All of Hangsterfer's Coolant Concentrates are formulated with advanced technologies, which utilize synthetic, vegetable and petroleum components. We do not use Diethanolamine (DEA), which is the leading cancer risk associated with the use of coolants.

Cutting Oils

World class performers in the most demanding applications



Hangsterfer's Cutting Oils are recognized by Swiss Style Screw machine manufacturers around the world. Hard Cuts have improved tool life and surface qualities by as much as 300%! In addition to the lubricity provided at the cutting zone, our cutting oils provide excellent lubrication for machine slides, guide bushings, bearings, and spindles. Some can even be used in bar feeders.

Hangsterfer's Hard Cut Series is formulated with the industry's safest chlorinated extreme pressure additives. Our Missile Lube Series is both chlorine and sulfur free.

No matter what the requirement, Hangsterfer's has a cutting oil solution.

Machine Lubricants

Specially developed to optimize the life of your coolants



Nearly 20 years ago, Hangsterfer's developed "coolant compatible" machine lubricants that do not cause negative coolant effects such as odor, staining and dermatitis.

Our unique "coolant compatible" formulation allows the oil to remain on the sliding surfaces in a completely fluid-like state, thus protecting the surfaces more effectively than old technology. Water is repelled which improves lubrication and prevents corrosion.

Once you perform the easy conversion to our Way Oil Series you will immediately see the benefits.

Water Soluble Oil Synthetics

- S-388 Cobalt Grinder
- S-500® Crystal Cut® 243
- S-500 CF Crystal Cut 322
- S-555 Crystal Cut 465
- S-1001 Crystal Cut 777
- HE-2® CT-11
- Missile Lube 5EH CT-50
- Semi-Synthetics** R-100
- S-787 Series R-100G

Hard Cut®

- Hard Cut 5258
- Hard Cut 5258 Light
- Hard Cut 525 Extra
- Hard Cut 5118
- Hard Cut 5318
- Hard Cut 5418
- Hard Cut 5518
- Hard Cut 5618
- Hard Cut NG
- Hard Cut NG CF

PC Series

- PC 20
- PC 28
- PC 45

Tapping/Misting

- SuperAllTap
- SuperAllMist

Slide Way Oil

- Way Oil 1
- Way Oil 2
- Way Oil 3
- Way Oil 4
- Way Oil 7

Missile Lube®

- Missile Lube 1
- Missile Lube 1XL
- Missile Lube 1XXL

CC Series

- CC 10
- CC 22
- CC 46
- CC 90
- CC 222
- CC 442

Grinding Oil

- Grinding Oil 1
- Grinding Oil 2

Spindle and Hydraulic Oil

- Antiwear 2
- Antiwear 10
- Antiwear 22
- Antiwear 32
- Antiwear 46
- Antiwear 68
- Antiwear 100
- Antiwear 150
- Antiwear 220

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Metforming Compounds

No other products give you such reduction capability



Our "grease-like" metforming compounds are highly fortified with additives that prevent metal-to-metal contact at the tool-workpiece interface where temperatures can exceed 1000°C. Elastohydrodynamic Lubrication (EHL) forms an evenly distributed film that eliminates galling and improves surface quality. It develops under extreme pressure from our use of long-chain chlorinated paraffins, select synthetic fat and synthetic oils. We specialize in forming and drawing compounds for tube, rod, wire, bar and blanks. Hangsterfer's can custom blend products for whatever unique metforming application you may have.

TSP® Equipment

Contact us for a complete brochure



Total System Partnership® (TSP) is the Hangsterfer's division, which supplies basic yet functional equipment that aids in the longevity of metalworking fluids. "Walk before you run" and "keep it simple" form the basis of the TSP philosophy. Since our lubricants are engineered to be recycled, it makes sense to partner them with basic fluid management equipment. Adding TSP products to your operations will help reduce fluid related costs.

Miscellaneous Products

Hangsterfer's full line of rust inhibitors, cleaners and specialty additives



Rust Inhibitors are available in both aqueous and non-aqueous varieties. We have products for very short term, as well as long-term protection. Aqueous cleaners are available in a variety of detergency and pH ranges depending on the cleaning objectives. We also offer non-aqueous cleaning solvents, which are ozone friendly. Specialty Additives are used for the easy correction of in-process errors or for making adjustments needed to compensate for engineering changes.

Dielectric Fluids

User and environmentally friendly



Crystal Brite was developed to improve the spark erosion process in sinker style EDM machines. It has allowed users to increase amperage, thus reducing process times by as much as 30%. Also, it creates a non-conductive channel allowing the spark to hit its target accurately and at a full charge. It reduces carbonization, which reduces gummy residue.

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|-----------------|----------------|
| Aldraw® | Aldraw JD-9020 |
| Aldraw J-2 | Aldraw JD-9030 |
| Aldraw J-2 Dark | Aldraw JH-9402 |
| Aldraw J-1 | Aldraw K-21 |
| Aldraw J-4 | Aldraw K-90 |
| Aldraw J-50 | Formula 3 |
| Aldraw J-2E | Vanishing Oil |
| Aldraw J-1E | |
| Aldraw J-4E | |
| Aldraw J-1 Dark | |
| Aldraw JD-8801 | |
| Aldraw JD-8801E | |

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|-----------------|-----------------|
| Proportionators | Sump Suckers |
| Tramp Oil | Totes |
| Skimmers | Pumps |
| Coalescers | Water Treatment |
| Refractometers | Mixers |
| Filters | Absorbents |
| Decantation | Laboratory |
| Systems | Equipment |

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|----------------------------|-----------------|
| Rust Inhibitors | Cleaners |
| Rust Coat 10 | A.C. Cleaner |
| Rust Coat 60 | Clean All |
| Rust Coat 2000 | Machine Cleaner |
| Soluble RP | Ozonic®117 |
| Specialty Additives | Ozonic 140 |
| Antifoam | Ozonic 155 |
| Refresh | Ozonic 203 |
| Calcium Liquid | Res-X |

Crystal Brite® EDM

