







HPM LUBRICATION

For more than 50 years HPM Technologie has been developing and producing delivery systems and lubricants for Minimum Quantity Lubrication (MQL) application. HPM’s MQL delivery systems have a wide range of capabilities and are easy to install, control and maintain.

Lubricants offered by HPM are high quality fluids and are packaged to meet varying consumption levels. These solutions have optimum cooling and lubrication properties and HPM can provide unique temperature resistant lubrication that is not less than 350 degrees Celsius.

In general, HPM lubricants offer real advantages;

- Extremely high cutting speed without reducing tool life
- Increased productivity
- improved product quality with greater precision

	Survos Standard 	Survos Rapid D 	Survos Plus L 	Sentos V-LR3 
Applications				
Sawing, Drilling, Engraving, Punching Profiling and Deep draw	++	++	++	++
Bending	++	++	++	
Bending Aluminum, Copper, Brass, etc.				++
Cinching- Brass, Steel, Galvanized Steel, Powder Coated Steel, Coated Steel and Stainless Steel Sheets	++	++	++	
Fine Machining (fine Grinding finish)	+	+	+	+
Hard Tumbling	+	+	+	+
Hard Milling	+	+	+	+
Engraving Steel	+	+	+	+
Processing Composites	+	+	+	+
Assembly Technology	+	+	+	+
Paper Handling	+	+	+	+
Woodworking	+	+	+	+



Survos Standard



- Possesses a high lubricity and 100% evaporation, leaving parts residue free (13PPM)
- Has very good cooling capability.
- Can be used with a wide range of materials except plastics.

Survos Rapid D



- Evaporates faster than the Survos Standard, but has slightly lower lubrication performance.
- Parts are left 100% residue free.
- Ideal in applications which have short cycle times and no residue is permitted.

Survos Plus



- Possesses a high lubricity and 100% evaporation leaving parts residue free
- Complies with FDA US regulations according to 21 CFR 178.3120, LFGB §31 and §30 and (EC) Number 1935/2004.

Sentos V-LR3



- Provides maximum lubricity and has a short evaporation time and leaves parts 97% residue free (no visible or tangible residue).
- Has very good cooling capability.
- Can be used with a wide range of materials except a small number of plastics.

Note: Always use proper handling, a ventilated work area, air exhaust and skin protection when using HPM Lubricants.

Please visit www.carbiderelatedtech.com for the full MSDS.