

MACHINE LUBRICANTS & CUTTING FLUIDS

CHUCK JAWS
LATHE WORKHOLDING

MACHINE VISES
MAGNETIC CHUCKS

RETENTION KNOBS
ER, DA, TG COLLETS

TOOLHOLDERS
TAP HOLDERS

INDEXABLE DRILLS
TURNING & BORING

ENDMILLS, DRILLS
TAPS & REAMERS

ABRASIVES
MEASURING TOOLS

MRO & SAFETY
FLAT STOCK/DRILL ROD

WAY LUBE

Premium grade way oils are stable high quality 100% pure Paraffin Base Oils specially formulated to provide efficient lubrication for Machine Ways. They are adhesive, tacky and help prevent stick-slip, chatter and similar problems. They stay in place to provide maximum anti-wear and rust protection to machine surfaces even where a continuous supply of lubricant is difficult to maintain. They are formulated to meet all industry standards.



Description	Size	Part Number	Price
WAY OIL Light	1 Gal	PT-WAY132-1GA	\$14.20
	5 Gal	PT-WAY232-5GA	\$59.88
WAY OIL Medium	1 Gal	PT-WAY146-1GA	\$14.65
	5 Gal	PT-WAY246-5GA	\$66.75
WAY OIL Heavy	1 Gal	PT-WAY168-1GA	\$14.91
	5 Gal	PT-WAY268-5GA	\$63.45

WAY OIL-SHELL TONNA OIL V

Applications

- Machine tool slides and tables
- Chains, cables and other parts requiring tackiness
- Some combined hydraulic and tableway applications

Features/Benefits

- Excellent stick-slip performance & thermal stability
- Outstanding extreme pressure performance
- Tackiness improving its ability to stay in place



Description	Size	Part Number	Price
Way Oil	5 Gallon Pail	SH-TONNAV68-5	\$72.60
	55 Gallon Drum	SH-TONNAV68-55	\$793.95

MOBIL VACTRA NO. 2 WAY OIL

Dual-purpose hydraulic and way oil is recommended when extreme precision or slow speeds make it necessary to eliminate stick-slip or chatter. Approved by major machine tool builders such as Cincinnati Milacron and Okuma. Helps to minimize wear. Offers good coolant separability and extends oil life.



Size	Part Number	Price
5 Gallon Pail	MOB-VACTRA2-5	\$75.57
55 Gallon Drum	MOB-VACTRA2-55	\$787.29

MOBIL DTE 24 HYDRAULIC OIL

Formulated for most applications in industrial, marine, and mobile service where zinc-free fluids are desired. For high-pressure systems, systems with servo valves, NC control mechanisms, and all robotics. Provide maximum equipment productivity with keep-clean performance, minimizing sludge, varnish, and deposit formation.



Size	Part Number	Price
5 Gallon Pail	MOB-DTE24-5	\$69.07
55 Gallon Drum	MOB-DTE24-55	\$667.86

HYDRAULIC OIL

Hydraulic Oils are used in all types of industrial applications. They are blended from high quality 100% pure paraffin base stocks and are fortified with special thermally stable antiwear additives plus effective rust and corrosion inhibitors. It has excellent demulsification characteristics and is formulated to meet or exceed most hydraulic oil specifications. ProtectAll Hydraulic Oil is also an excellent general purpose lube and machine oil.



Description	Size	Part Number	Price
Hydraulic Oil 32 - ISO32, SUS 150	1 Gal	PT-HYD132-1GA	\$18.85

HYDRAULIC OIL-SHELL TELLUS

Applications

- Industrial hydraulic systems
- Mobile hydraulic fluid power transmission systems
- Circulating oil systems
- General machine lubrication

Features/Benefits

- Good thermal stability
- Excellent antiwear
- Resistant to oxidation
- Excellent filterability
- Good water separation
- Excellent air release



Description	Size	Part Number	Price
Hydraulic Oil	5 Gallon Pail	SH-TELLOIL46-5	\$60.50
	55 Gallon Drum	SH-TELLOIL46-55	\$662.75

SOLUBLE OIL

Soluble Oil GP is a premium, general-purpose coolant for machining and grinding operations on metals where the machinability ratings are 70 and above. Formulated for applications where cooling rather than high load-carrying capacity is the primary requirement. Contains no added chlorine or sulfur. An effective bactericide provides good sump life. Soluble Oil GP leaves a light oily film to help provide short-term corrosion protection.

A dilution of 20 to 1 is recommended for most machining applications. For Grinding, dilutions of up to 50 to 1 can be used. It is important that the soluble oil be added to the water rather than the reverse when mixing.



Description	Size	Part Number	Price
SOLUBLE OIL GP	1 Gal	PT-SOLGP-1GA	\$18.62
	5 Gal	PT-SOLGP-2PL	\$84.29

CUTTING OIL

Cutting Oil Clear is a transparent straw-colored machine aid that allows the operator to see the workpiece. It is excellent for cutting, drilling, milling and threading most types of steel including low and medium carbon as well as nickel and chrome alloy types. It is also safe for use on aluminum, brass and copper, as it does not contain sulfur.

Cutting Oil Dark is a heavy-duty multi-purpose cutting oil formulated for use on hard-to-machine alloy and stainless steels as well as many of the exotic metals. It contains a balanced package of premium chlorine, sulfur and fatty additives. It provides excellent tool life and smooth finishes in all types of machining operations including cutting, milling, drilling, tapping, grinding and similar operations. Not for use on copper or brass.



Description	Size	Part Number	Price
Cutting Oil Clear	1 Gal	PT-CUTCL-1GA	\$16.97
	5 Gal	PT-CUTCL-5GA	\$73.18
Cutting Oil Dark	1 Gal	PT-CUTDK-1GA	\$16.11
	5 Gal	PT-CUTDK-5GA	\$73.44

Call Us Today For All Of Your Machine Tool Needs!

MICROFINISH

Microfinish is a very effective cutting compound for all tapping, drilling, broaching, turning and reaming operations. It is a super lubricant effective on spinning, stamping and forming jobs, as well as on work supported between centers. Microfinish is highly successful on most metals, both ferrous and non-ferrous, producing astounding results in improved finish with a marked reduction of seizures and chipping. Tap breakage is likewise reduced, with closer fits and, in large measure, elimination of scrap losses.

Contains No 1,1,1-Trichloroethane Or Other Ozone Depleting Solvents!

Description	Size	Part Number	Price
Microfinish Aerosol	13 oz	PT-MIC4-13OZ	\$16.85
Microfinish Can	16 oz	PT-MIC5-16OZ	\$16.85
Microfinish	1 Gal	PT-MIC1-1GA	\$69.15



SPINDLE OIL

Premium Grade Spindle Oils are specifically formulated to reduce friction and prevent wear on high speed spindles and most other types of Bearings. They pass the U.S. Steel 127 & 136 4-Ball Wear Test (ASTM D-2266). Premium grade spindle oils contain advanced rust and corrosion protection additives and resist foaming. These oils keep precision spindles safely lubricated for optimum performance and long life.



Description	Size	Part Number	Price
SPINDLE OIL 32 - ISO32, SUS150	1 Gal	PT-SPN132-1GA	\$18.85

CUTTING & TAPPING FLUID

The **RE-LI-ON** engineered formula clings to the cutting tool, enabling it to stay where the work is done and perform more effectively.

- Dramatically extends tool life.
- Controls chip welding.
- Provides a precision finish and closer tolerances.
- Costs less than comparable cutting fluids.
- Safe and odorless.
- Does not contain 1, 1, 1 Trichloroethane, sulphur or carbon tetrachloride.
- Complies with OSHA regulations.

Cutting and Tapping Fluid **RE-LI-ON**



Description	Wt. Lbs	Part Number	Price Each
4oz bottle	4 oz	RE-4OZ	\$1.99
16oz bottle	16oz	RE-16OZ	\$4.62
1 Gallon Container	8 3/4	RE-GA	\$38.00
Gal. Case (4/case)	35	RE-4XGA-CASE	\$152.00
(1) 5 Gallon Pail	42	RE-5GA-PAIL	\$115.50

CUTTING & TAPPING FLUID

SafeTap Ultima is an ultra-clean, high performance, environmentally compatible tapping fluid. It is 100% biodegradable, water-clear with all natural ingredients. It is non-staining and odorless and safe for all metals.

Tapzol is a formulation of high anti-weld compounds that offers increased tool life and a fine finish on ferrous and non-ferrous metal alloys. It is a mineral oil-based and leaves a light, oily film for rust protection. It is ideal for heavy duty applications and safe for all metals.



Description	Size	Part Number	Price
SafeTap Ultima	16 oz	RUST-71952	\$8.25
	1 Gallon	RUST-71953	\$49.00
Tapzol	16 oz	RUST-71940	\$6.10
	1 Gallon	RUST-71941	\$26.50

CUTTING FLUID

TAP MAGIC PROTAP

This is our original biodegradable formula. Use it for all cuts on all metals. Outstanding performance makes it one of our most popular fluids.

TAP MAGIC FORMULA 1 AQUEOUS

This is an earth-friendly formula with a special aqueous base to help you keep your work and workplace cleaner. It contains the proprietary EP-X3® additive.

TAP MAGIC FORMULA 2 ECO-OIL

This earth-friendly formula has a base of natural oil and a special low-odor, low-smoke formulation for those cuts that produce a lot of heat. 100% biodegradable.

TAP MAGIC with EP-XTRA

This is an ozone-friendly formula that gives you outstanding performance for any cutting operation on any metal. This formula is absolutely without equal on hard metals and for cuts of extreme pressure or long duration.

TAP MAGIC ALUMINUM is the most effective cutting fluid you can use - providing excellent performance for any and all cutting operations.



Pro Tap Formula-Biodegradable

Description	Part Number	Price
16 oz.	TAP-30016P-1	\$8.16
1 Gallon	TAP-30128P-1	\$61.25

EP-Xtra Formula- Ozone Friendly

Description	Part Number	Price
16 oz.	TAP-10016E-1	\$8.16
1 Gallon	TAP-10128E-1	\$61.25

Aqueous Formula- Water Based

Description	Part Number	Price
16 oz.	TAP-50016Q-1	\$8.16
1 Gallon	TAP-50128Q-1	\$61.25

Aluminum Formula

Description	Part Number	Price
16 oz.	TAP-20016A-1	\$8.16
1 Gallon	TAP-20128A-1	\$61.25

Eco-Oil Formula- Natural Oil Based

Description	Part Number	Price
16 oz.	TAP-60016C-1	\$8.16
1 Gallon	TAP-60128C-1	\$61.25

Full Line Available!
Please call for more information.

CHAIN LIFE® LUBRICANT

Chain Life is a unique foaming lubricant that starts where oil leaves off. The aerosol application applies as a bead of foam thus eliminating overspray and waste. Chain Life leaves a thin thermally stable film of extreme pressure lubricant that provides a barrier between moving metal parts, preventing metal to metal contact under heat and pressure. It lubricates, penetrates, clings and silences chains while repelling the excess accumulation of dirt, sand, mud and grass. It does not contain moly, silicone or graphite. It is also excellent as a tapping and threading compound, for lubricating clutch shafts and open gear systems, a pre-assembly lube for engine parts, and an all-around general purpose lubricant.



Description	Part Number	Price Each
12 oz. Aerosol Can	PT-35017CN	\$8.99
1 Gallon Jug	PT-35100GA	\$29.71

M1® ALL-PURPOSE LUBRICANT



- Lubricates and stops squeaks
- Displaces moisture and wetness
- Protects metal against rust and corrosion damage
- Cleans and polishes metal parts and painted surfaces



Description	Part Number	Price Each	Case Qty	Part Number	Price Each
12 oz. Aerosol Can	STR-95173-1	\$6.75	12	STR-95173	\$6.15
1 Gallon	STR-93221-1	\$40.49	4	STR-93221	\$35.92
5 Gallon	STR-93227	\$264.09			

Call Us Or Visit Our Website For Our Complete Selection!

LATHES CHUCKS
LIVE CENTERS

WISE JAWS
WISE ACCESSORIES

STRAIGHT SHANK
COLLET HOLDERS

LATHES BUSHINGS
DRILL CHUCKS

CARBIDE INSERTS
THREADING/GROOVING

CUTTING TOOLS
MACHINERY

PRECISION TOOLS
DEBURRING

COOLANT/FLUIDS
TOOL STORAGE