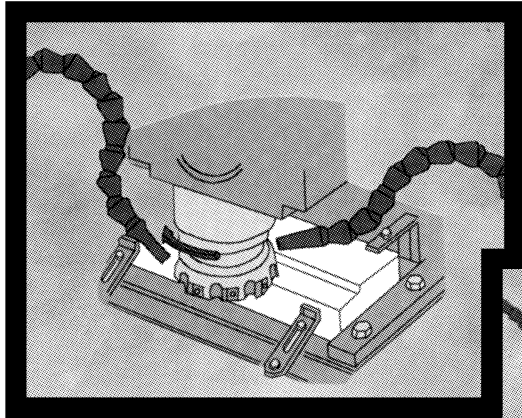
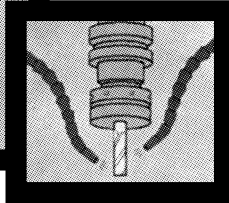


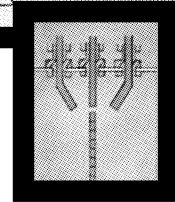
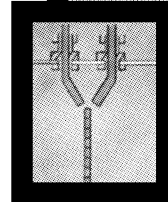
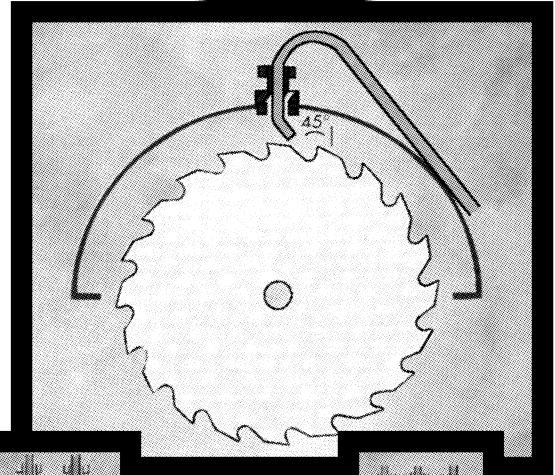
ACCU-LUBE NOZZLE PLACEMENT



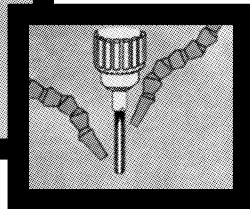
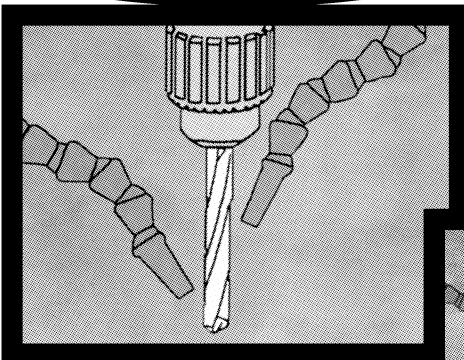
Nozzle Positioning for Milling.



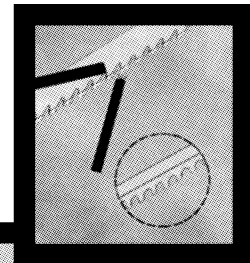
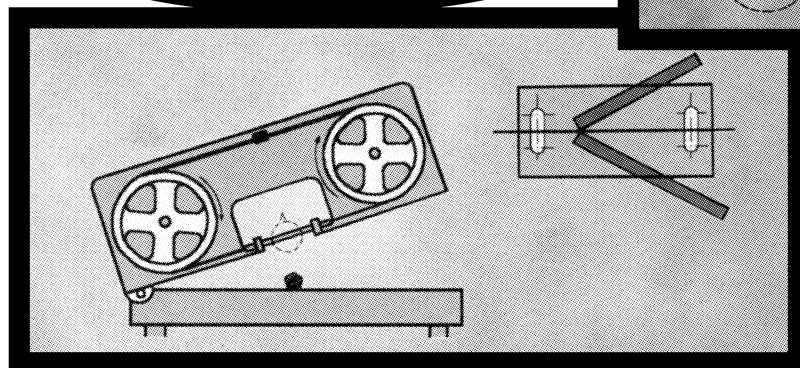
2 and 3 Nozzle Positioning for Circular Sawing.



Nozzle Positioning for Drilling/Tapping.



Nozzle Positioning for Bandsaw.



ACCU-LUBE

Accu-Lube Application Systems and Lubricants



If your operation is involved in any of these applications, Accu-Lube products will reduce hazardous waste, extend tool life and improve working conditions:

Bandsawing, Milling, Drilling, Reaming, Bending, Stamping, Circular Sawing, Tapping, Broaching, Belt Grinding, Rollforming, Tool and Cutter Grinding.

Complete Information Available on Request.

**ACCU-LUBE
Lubricant Applicators**



Regulate lubricant supplied to the cutting edge in exact quantities. 100% pneumatically controlled positive displacement pumps. Lubricant is carried by air. Hazardous atomizing and "mist" are eliminated. Pumps and nozzles operate independently for lubricant and air flow. Minimal or no equipment modification is required for system installation. Pneumatic timing device (frequency generator) with a 5 to 200 stroke control range. Lubricant and air flow adjustment. Plastic or metal locking box. Multiple on/off controls: Manual switch, solenoid valve, foot pedal or air pilot valve. Come with copper nozzles and 12' lines. Multiple nozzle types available: Copper (12"), Stainless Steel (12"), Loc-Line™ Magnetic Base (18").

1 to 3 Nozzle Units. Come standard with 10 oz. reservoirs.

4 to 8 Nozzle Units. Come standard with 1 qt. reservoirs.

Recommended Accu-Lube Application System

Tool Type	No. of Nozzles	Nozzle Type
Bandsaw	2	Copper or Stainless Steel
Circular Saw	2	Copper or Stainless Steel
Milling Machine	2	Loc-Line™ Magnetic Base
Drilling & Tapping	1	Copper Magnetic Base or Copper

Tool Type	Mount Type	Unit Type
Bandsaw	Permanent	Electric Solenoid
Circular Saw	Permanent	Electric Solenoid or Air Operated
Milling Machine	Magnetic	Manual On/Off or Electric Solenoid
Drilling & Tapping	Magnetic	Manual On/Off or Electric Solenoid

Applicators

No.	No. of Nozzles	Nozzle Size In.
Manual On/Off - Copper		
/710-79051	1	12
/710-79053	2	12
.....	3	12
.....	4	12

Electric On/Off - Copper		
.....	2	12
.....	3	12
.....	4	12

Manual On/Off - Stainless Steel		
.....	1	12
.....	2	12
.....	3	12
.....	4	12

Electric On/Off - Stainless Steel		
.....	1	12
.....	2	12
.....	3	12
.....	4	12

Manual On/Off - Loc-Line™ Magnetic Base		
.....	1	18
.....	2	18
.....	3	18
.....	4	18

Electric Loc-Line™ Magnetic Base		
.....	1	18
.....	2	18
.....	3	18
.....	4	18

Complete Information Available on Request.

**ACCU-LUBE
Metalworking Lubricants**



All ingredients listed on Toxic Substances Control Act (TOSCA) registration list.

Series LB-2000. Medium to heavy duty. Recommended for use in tapping holes less than 5/8", sawing tubing, structural steels and solids less than 6" in diameter, all milling operations, broaching and spline rolling. Suitable for use on all metals except post-heat-treated aluminum. Pin and vee block ASTM D3233A load value 2100 ft.lbs. Viscosity 145, 100F SUS ASTM D4212. Meet FDA and USDA requirements for use in areas with incidental food contact.

Series LB-3000. Medium duty. Replacement for "mist" type lubricants, machining of nonferrous metal not requiring post-heat-treating, and lumber and woodworking operations. Pin and vee block ASTM D3233A load value 1850 ft.lbs. Viscosity 145, 100F SUS ASTM D4212.

No.	Model No.	Size Gal.	Flash Point °F	Pour Point °C	Specific Gravity
/710-2000	LB-2000	1	608	-20	.91
/710-3000	LB-3000	1	608	-20	.91

Note: Available in paste, solid stick, aerosol forms.

**ACCU-LUBE
Lubricants**



All ingredients listed on Toxic Substances Control Act (TOSCA) registration list.

Series LB-5000. Medium to heavy duty. Recommended for sawing of Non-Ferrous metals requiring post-heat-treating. May be used for aluminum and for drilling, milling and tapping. Pin and vee block ASTM D3233A load value 1150 ft.lbs. Viscosity 62, 100F SUS ASTM D4212. Meet FDA and USDA specifications for use on food processing equipment.

Series LB-6000. Medium duty. For Non-Ferrous metals requiring post-heat-treating. Also for machining operations as replacement for "mist" type lubricants. Pin and vee block ASTM D3233A load value 850 ft.lbs. Viscosity 19, 100F SUS ASTM D4212.

No.	Model No.	Size Gal.	Flash Point °F	Pour Point °C	Specific Gravity
/710-5000	LB-5000	1	374	-3	.85
/710-5055	LB-5055	55	374	-3	.85
/710-6000	LB-6000	1	418	-40	.93
/710-6055	LB-6055	55	418	-40	.93

Note: Available in paste, solid stick, aerosol.

ACCU-LUBE
Hand-Held Products



Used in concentrated form. Friction reduced; tool life increased.

Pump Spray. Precision nozzle applies organic cutting lubricant where needed in drilling, tapping and reaming application.

Paste. Use for horizontal applications on tapping, drilling and reaming. Apply with brush or squeeze tube.

Stick. Reduces heat build-up in belt, disc and wheel grinding operations. Application before start-up increases tool life and productivity.

Block. Individually packaged. Lubricate by making "X" on belts or discs.

No.	Desc.	Size
/710-79042	Solid Stick	2.2 Oz.
/710-79030	Paste	8 Oz.
/710-79026	Pump Spray	8 Oz.

LPS® LABORATORIES
Cutting Fluids
#1 Gold



LPS Tapmatic® Dual Action #1 Gold can be used on all metals (replaces 1,1,1.) Lubricate and protect to reduce friction and eliminate chip welding in reaming, drilling, threading and tapping. Contain EP additives, improving surface finish. Does not contain 1,1,1 trichloroethane, chlorinated paraffins, CFCs, solvents, water or inactive fillers. Can be safely used on aluminum and all other metals. USDA Authorized for use in federally inspected meat and poultry plants.

No.	Model No.	Size
/70040312	40312	11 Oz. Aerosol
/70040320	40320	16 Oz.
/70040330	40330	1 Gal.
/70040340	40340	5 Gal.
/70040360	40360	55 Gal.

LPS® LABORATORIES
Cutting Fluids
AquaCut Dual Action



01216

No.	Model No.	Size
...01204	01204	4 Oz.
/70001216	01216	16 Oz.
...01228	01228	1 Gal.
...01205	01205	5 Gal.
...01255	01255	55 Gal.

Water-based. Extend tool life and reduce friction, heat and tool failure. Excellent cooling ability provides clean cuts and fine finishes. Designed for tapping, drilling, and machining all metals except magnesium. Does not contain chlorine, sulfur, methylene chloride or 1,1,1 trichloroethane. Contain corrosion inhibitors to prevent flash rusting of freshly machined surfaces. Nonflammable. Will not stain metal.

LPS® LABORATORIES
Cutting Fluids
Tapmatic Natural



44220

No.	Model No.	Size
...44204	44204	4 Oz.
/70044220	44220	16 Oz.
/70044230	44230	1 Gal.
/70044240	44240	5 Gal.
....	44260	55 Gal.

For all machining operations including tapping, drilling, threading, reaming, turning, broaching and milling. Eliminate galling, seizing and extend tool life. All-natural, biodegradable. Safe on all metals. Do not irritate eyes, skin, or respiratory tract. Contain no 1,1,1 trichloroethane, CFCs, sulfur, chlorine, chlorinated solvents, water, mineral oil or inactive fillers. 100% active. USDA Authorized for use in federally inspected meat and poultry plants.

LPS® LABORATORIES
Cutting Lubricants
Tapmatic® Edge Lube



For manual application to rotating or stationary cutting tools, belts or grinding wheels. Cutting lubricant shaped into white, waxy bar, then covered by clear plastic cylinder. Biodegradable.

No.	Desc.	Size
/70043200	Bar	13 Oz.

WD-40®
Spray Lubricants
Aerosol



Penetrate to free frozen or rusted metal parts, bolts, connectors. Keep operating controls and linkages working freely. Lubricate hard-to-reach operating mechanisms. Silicon-free. Leave no gummy residue. Provide positive rust and corrosion protection. Get under water and moisture, and drive it off. Non-conductive. Use to eliminate moisture-induced short circuits in electrical and electronic equipment and auto, boat and motorcycle ignitions.

No. /71410011

Size 11 Oz.

Pkg. Qty. 12

PERMATEX®
Hand Cleaners
Fast Orange®



Fine pumice lotion. Petroleum solvent-free lotion formula. Clean grime and grease with natural citrus extracts. Contain lanolin, aloe and jojoba to condition skin. Fresh orange scent. Biodegradable. USDA approved.

No. /71425218

Size 1 Gal.

Desc. Pump Bottle

DYKEM®
Locator Pastes
Hi-Spot®



Non drying, non hardening. For locating high spots when scraping bearing surfaces and in making close fits. Most valuable when scraping flat bearing surfaces of lathes, planers, automotive valve work and matching parts. Soft, smooth, uniform paste spreads to extremely thin film. Transfer clearly from master surface. Remain overnight without drying.

No. /69083307

Desc. 3/4" x 4" Tube

Color Blue
Size Oz. .55

DYKEM®

Marking Products
Ball Point Paint Markers



Make bright, colorful marks on smooth surfaces such as sheet metal.

No.	Size Oz.	Color
/69084262	2	White
/69084263	2	Yellow

DYKEM®

Layout Fluids
Brush in Cap



Prevent metal glare when making dies and templates. Will not harm metal. Easily removed. Resistant to oil, moisture, grease, gasoline, petroleum solvents. Steel.

No.	Desc.	Size	Net Wt.	Pkg. Qty.
/69080300	Steel Blue	4 Oz.	3.1 Oz.	12
/69080400	Brush In Cap	8 Oz.	6.2 Oz.	12
/69080496	Steel Red	8 Oz.	6.2 Oz.	12
/69080600	Steel Blue Fluid	1 Qt.	27.9 Oz.	12
/69080700	Steel Blue Fluid	1 Gal.	7.0 Lbs.	4
/69080800	Steel Blue Fluid	5 Gal.	35.6 Lbs.	1

DYKEM®

Layout Fluids Aerosol



No.	Desc.	Size	Net Wt.	Pkg. Qty.
/69080000	Steel Aerosol Blue	16 Oz.	13 Oz.	12
/69080096	Steel Aerosol Red	16 Oz.	13 Oz.	12
/69081027	Steel Aerosol White	16 Oz.	13 Oz.	12

DYKEM®

Surface Preparation Fluids
Remover and Thinner™



For surface preparation or removing layout fluids and staining colors. May be used to dilute staining colors. Thoroughly clean and prepare metal surfaces. Remove grease, oil and dirt from metals, most plastics and glass. No 1, 1, 1-trichloroethane.

No.	Desc.
/69082038	16 Oz. Aerosol
/69082638	930 ml (1 Qt.)
/69082738	1 Gal.

J-B WELD®

Welding Compounds



8265-S

Cold weld compound used to repair, fill and bond iron, steel, copper, aluminum, brass, bronze, pewter, wood, porcelain, ceramic and plastic. Can be used in household, automotive or farm machinery applications.

No. 8265-S. Sets in 4-6 hrs. and cures in 15-24 hrs. Tensile strength 3960 lbs.

No. 8276. Cures in 4 min. Tensile strength 2100 lbs.

No.	Model No.	Desc.	Pkg. Qty.
/7148265S	8265-S	J-B Weld	12
/7148276	8276	J-B Kwik	12

ND INDUSTRIES

Vibratite



Quick-drying red cured resilient plastic coating adheres to ferrous or nonferrous metal, plating, wood or plastic screws in sizes ranging from eyeglass to 3". Dry in minutes, making threaded fastener self-locking and self-sealing. Handy brush applicator in cap. Reuseable over 5 times. Can be stored coated. Resistant to water, salt water and most solvents.

No.	Size cc	Wt. Oz.
/714250	30	1
/714030	250	8

PERMATEX®

Threadlockers
Lock Nuts™ - Removable



Lock and seal nuts, bolts, screws, fittings and other threaded fasteners. Prevent vibration loosening and thread corrosion. Seal against oil, air, hydraulic and fuel leaks. Require no primer. Apply easily and removable with hand tools.

No.	Size
...24231	50
...24241	250
...24242	8.45 Fl. Oz.

LOCTITE®

Threadlockers

Permatex® - Locks Studs™ - Permanent



Prevent thread corrosion and vibration loosening. Seal and lock bolts, studs and other heavy duty fasteners 3/8"-1" diameter. Produce slip fits as strong as interference fits and allow manual stud installation. Allow use of through holes and continuous threaded rod cut to length. Help prevent thread stripping in cast iron and aluminum. Eliminate broken studs and cracked castings by reducing need for high driving torque. Parts effectively locked under minimal torque. Localized heating and hand tools required to separate parts. Solvents will not weaken adhesive bond. Good to 300°F.

Meet MIL-S-46163, Type I, Grade K.

No.	Desc.	Size ml
/71481791	Bottle	10.0
/71481792	Bottle	50.0
/71481793	Bottle	250.0

LOCTITE®

Threadlockers

271



Red. Add 3000 psi to holder power on newer slip and press fit assemblies. Replace snap ring and set screw. Special tool or extra effort required for removal. Fill gaps to .007". For 3/8" to 1" fasteners. Fixture cure 20 min. Full cure 24 hrs. Torque 230 in.-lbs. break, 225 in.-lbs. prevail. Temperature range -65°F to 300°F.

No.	Size ml	Desc.
.....	6	Carded Tube
27140	36	Carded Bottle