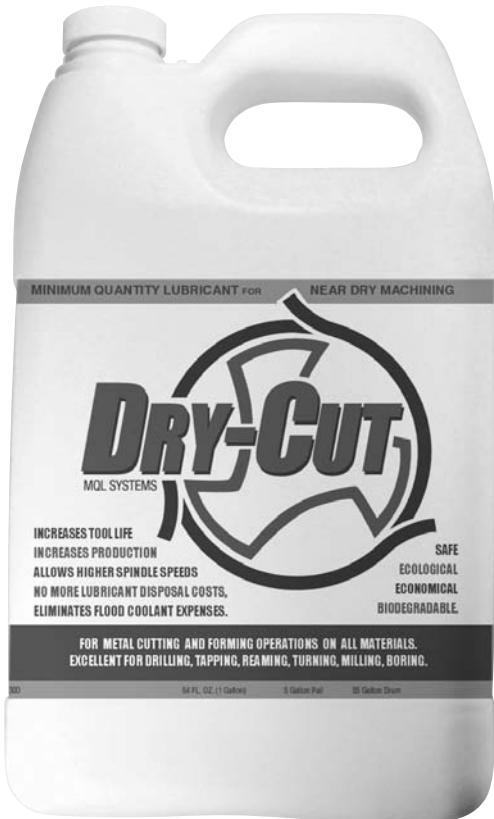


New DRY-CUT Minimum Quantity Lubricant

For Near Dry Machining. From MQL Systems



Minimum Quantity Lubricant For Near Dry Machining On Metal Cutting And Forming Applications

**SAFE • EFFECTIVE • ECONOMICAL • ECOLOGICAL
• BIODEGRADABLE • INCREASES PRODUCTION AND
TOOL LIFE • ELIMINATES FLOOD COOLANT
AND WASTE DISPOSAL EXPENSES.**

Developed to improve the work environment, DRY-CUT Minimum Quantity Lubricant, offers an effective, economical solution to increasingly stringent environmental regulations.

APPLICATIONS

**DRY-CUT Is Excellent For Forming • Drilling • Tapping •
Reaming • Sawing • Sanding • Grinding • Milling •
Punching • Stamping • Shearing • Forging • Swaging •
Broaching • Turning • Press Fitting And More.**

PERFORMANCE ADVANTAGES	REDUCED COSTS	SAFETY AND ENVIRONMENTAL BENEFITS
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Increased Production: Allows applications to run at higher speeds.

Reduces Costs: Reducing use of coolant which generally averages from 7%-17% of total production costs.

Increases Tool Life by providing more lubricity.

Easy to Use: Eliminates need for precise coolant mixing and temperature control.

Permits Plating and Painting With No (or minimal) Clean-Up.

Compatible with Seals

Extreme Pressure Capability.

Lower Maintenance Expenses than conventional coolant systems.

No Disposal Costs

No Coolant Pump Electricity or Depreciation Expense.

No Contamination of machine tool's precision components

Eliminates Costly Recycling

Near Dry Chips Can Be Sold At A Premium Because They Require No Further Processing.

No Coolant Spills

Dry Chips Recycle More Easily

Non-Toxic

Non-Polluting

Non-Drying

Non-Staining

Contains No Chlorine, Silicones or Petroleum Products

ORDERING INFORMATION

Description	Catalog No.	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.
DRY-CUT 1GALLON	43001	DRY-CUT (6) 1 GALLON JUGS	43035	DRY-CUT 5 GALLON PAIL	43005	DRY-CUT 55 GALLON DRUM	43055

Economiser Minimum Quantity Lubricant Dispensing Systems

For Near Dry Machining And Controlled Volume Lubrication.

Recommended For Use With MQL Systems DRY-CUT.

Any lubricant with a viscosity that will gravity flow can be delivered.

ECONOMISER I The ultimate dispenser... Ideal for most applications.

- Positive Injection Lubrication System
- Automatic Repeat Cycling of Metering Pumps
- Co-Axial Output. Air and liquid are mixed at the nozzle tip. This provide consistent liquid distribution.
- Adjustable Fluid Volume, Air Volume And Pulse Rate Assure Optimum Results.
- Various Mounting Options
- Optional Actuation Valves
- Multiple Outlets Available.



ECONOMISER I: Continuous Repeat Cycling Output Of Air/Lubricant. though Co-Axial Line.

Description	Catalog No.
Economiser I With One Plastic Nozzel	45971
Economiser I With Two Plastic Nozzels	45972

5 Foot Co-Axial Hose Assembly, 10 oz. Nylon Reservoir and Magnetic Nozzle Mount included. Actuation Valve must be ordered separately. Please see options below.

ECONOMISER II

Ideally suited for tapping, drilling, milling, cut-off knives and blades, punching, reaming, boring and press work where only a single application of fluid is required.

- Positive Injection Lubrication System
- Co-Axial Output- Air and liquid are mixed at the nozzle tip. This provides consistent liquid distribution.
- Adjustable Fluid And Air Volume.
- Various Mounting Options
- Optional Actuation Valves
- Multiple Outlets Available.



ECONOMISER II: A Single Application Of Air/ Lubricant Through A Co-Axial Line For Each Activation Of The Unit

Description	Catalog No.
Economiser II with Single Plastic Nozzel	45875
Economiser II with 2 Plastic Nozzels	45876

5 Foot Co-Axial Hose Assembly, 10 oz. Nylon Reservoir and Magnetic Nozzle Mount included. Actuation Valve must be ordered separately. Please see options below.

ECONOMISER I And II Actuation Valve Options

Description	Catalog No.	Description	Catalog No.
Air Pilot Valve 1/8"	45877	Solenoid Valve 110 VAL	45885
Air Pilot Valve 1/4"	45878	Solenoid Valve 24 VAC	45886
Foot Pedal Control	45879	Solenoid Valve 24 VDC	45887
Manual Sleeve Valve 1/4"	45881	Solenoid Valve 220 VAC	45888

ECONOMISER III

Ideally suited for tapping, drilling, milling, cut-off knives and blades, punching, reaming, boring and press work.

- Positive Injection Lubrication System
- Single Line Output
- Adjustable fluid volume, air volume and pulse rate assure optimum results.
- Various Mounting Options
- Optional Actuation Valves On Request.
- Multiple Outlets Available.



ECONOMISER III: Economical Repeat Cycling Output Of Air/Lubricant Through A Single Line.

Description	Catalog No.
Economiser III With One Copper Nozzel	45871
Economiser III With Two Copper Nozzels	45872

Single Line Hose Assembly, 10 oz. Nylon Reservoir and Magnetic Nozzle Mount included. 1/4" Manual Sleeve Valve for Activation Included.

AUTOMISER- Pneumatic Cutting Fluid Dispenser: For Use With Tapmatic Self-Reversing Tapping Heads On CNC Machining Centers.

Easy to install, the Automiser unit dispenses a coolant compatible cutting fluid through the tapping attachment stop arm bar, automatically, while the head is in the machine spindle. Insertion or removal of the head automatically turns on or turns off the dispenser. No programming required. No special M function required.



AUTOMISER

Description	Catalog No.
AUTOMISER Dispenser Unit	46500
AUTOMISER Stop Block	47100
Stop Arm Bar Size 25	47125A
Stop Arm Bar Size 50	47150A

Note: The above stop arm bars fit the RDT models. Please note you must order Stop Block and Stop Arm Bar separately. One Stop Arm Bar is required per tapping attachment. The AUTOMISER can not be used with the NCRT Series.