



# MACHINE SHOP SOLUTIONS

Cutting, grinding and forming solutions for use in all machine shop environments.









# **REAMING, TAPPING AND DRILLING LUBRICANTS**

RTD® is the world leading hand applied lubricant for reaming, tapping & drilling operations and has been the market leader for over 60 years.

#### RTD LIQUID

Part code	Size
53072	400ml
53076	5l
53078	<b>20</b> l
53079	200l
	53072 53076 53078

#### RTD COMPOUND

A soft paste for use in reaming,	Part code	Size
tapping, drilling and other metal cutting operations.	53020	50g
	53023	500g
	53026	5kg
	53028	18kg

#### **RTD SPRAY**

Aerosol applied metal cutting lubricant consisting of a concentrate of extreme pressure additives.

Part code Size 53011 400ml

#### RTD CLEANCUT

Non-staining metal cutting lubricant which doubles tool life.	Part code	Size
which doubles tool life.	53062	350ml
Particularly useful on aluminium	53066	<b>5</b> l

#### TRI-LOGIC RTD

and yellow metals.

Metal cutting lubricant designed	Part code	Size
for selective application on	53003	350ml
arduous operations.	53006	<b>5</b> l
	53008	201

#### RTD FOAMCUT SPRAY

Foaming metal cutting lubricant Part code Size specifically formulated to provide 53041 300ml extreme pressure cutting performance.

#### CHECK OUT THE OTHER PRODUCTS IN THIS RANGE...

#### **CORROSION PROTECTION**



Part code Size **CLEAR 69025** 400ml **GREEN 69045** 400ml **GREEN 69006** 

Part code

34141

#### **CHUCK GREASE**

#### SAPPHIRE® AQUA 2 Outstanding corrosion protection Good load and wear performance Ideal for applications subjected to damp, humid or wet conditions

Part code

12751



Size

380g

### **CLEANER**

**FOAM CLEANER Spray** Fast acting foam cleaner that efficiently cuts through grease, dirt and grime easily.

Especially useful for cleaning panels and windows on CNC machines.

Size

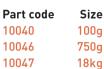
400ml

#### **DRY MOLY Paste**

Prevents galling, pick-up and seizure Excellent wear resistance increasing life of moving parts in highly corrosive environments Also available as a spray and fluid









#### **EVO RANGE**

ULTRACUT® EVO is our biocide & skin sensitizer free,

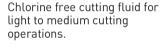
These bio-stable, highly concentrated cutting fluids provide

on the market. The range is multi-metal compatible,

#### The ULTRACUT EVO range is formulated to provide:

- ▶ High dilution ratios reduced consumption
- Exceptional cutting performance extended tool life
- Long, predictable sump life reduced disposal costs
- Multi-metal compatibility
- Low Foaming Ideal for high pressure systems
- ▶ The achievement of OHSAS 18001 and BS EN ISO 14001

#### **ULTRACUT EVO 250**







#### **ULTRACUT EVO 260**

Maximum EP cutting fluid performance, for the most arduous materials and processes.





Part code Size 51263 20l 51269 200l

#### **ULTRACUT EVO 255**

High performance, EP fluid for tough alloys.



Part code Size 51333 201 51339 2001

### **ULTRACUT EVO 280**

Chlorine free cutting fluid for general purpose and aluminium.





Part code Size 51682 **20l** 51689 2001





### **SLIDEWAY** LUBRICANT **ULTRAGLIDE X5**

Silicone free slideway lubricant for improved lubrication and corrosion protection on machine tool beds, ball screws and slideways.





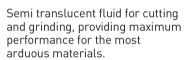


Part code Size 52086 5 l 52083 20 l 52089 200 l

#### SEMI SYNTHETIC RANGE

They can be used to rationalise to one fluid, for both cutting and grinding applications. The ULTRACUT range is safe, pleasant to extremely economical usage.

# **ULTRACUT 320**





Part code Size 51323 20l 51329 2001

#### **ULTRACUT 620**

Chlorine free formulation, suitable for medium to severe cutting and grinding operations.



Size 2001

#### **ULTRACUT 390H**

High performance, EP fluid for tough alloys.

Especially effective when machining cast iron.



**55**l

200l

51290

51299

# **ULTRACUT 370 PLUS**

Chlorine free cutting and grinding fluid for general purpose light/medium machining.







Part code Size 51376 51 51373 **20**l 51370 55l 51379 200l

# **NEAT CUTTING OILS**

The ULTRACUT 500 series are formulated from highly refined mineral oil and are formulated for the severest cutting operations.



#### **ULTRACUT 540**

Extreme pressure, high performance neat oil cutting fluid.

Part code Size 51415 1000L

#### **ULTRACUT 550**

Maximum performance, EP neat oil cutting fluid.





Part code 51619

Size 2001



#### **MAXIMUM LIFE CUTTING FLUIDS**

All TRI-Logic® metalworking fluids have been carefully formulated to resist degradation in the sump.

resistance to bacterial degradation). In addition, TRI-Logic cutting fluids contain highly effective anti-microbial additives which maximise resistance to bacterial and fungal degradation.

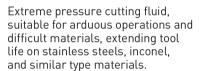
#### Maximum life cutting fluids:



#### High performance machine tool lubricants:



#### TRI-LOSIC EP





Part code

51899

## Size 2001

### TRI-LOSIC HO46

High performance hydraulic oil formulated to minimise the detrimental effects of hydraulic oil leaks on cutting fluids.



#### Part code 52195 10001

Size

### TRI-LO:3IC ALX

Extreme pressure cutting fluid, suitable for arduous operations and difficult materials, extending tool life on stainless steels, inconel, and similar type materials.

Part code Size 51959 2001

#### **TRI-LO:3IC H032**

High performance hydraulic oil formulated to minimise the detrimental effects of hydraulic oil leaks on cutting fluids.

#### Part code 51949

Size **200l** 



#### TRI-LOGIC VG68

Patented slideway lubricant incorporating special additives which prevents the degradation of cutting fluids.

#### Part code 52129

Size **200l** 

# TRI-LO-3IC HPX

Multi purpose, chlorine free fluid suitable for aerospace type alloys such as titanium/aluminium. Offers high performance on difficult aluminium processes such as roll tapping. Promotes excellent surface finish.

#### Part code Size 51979 2001

### Tapping fluid that fortifies cutting fluid:



#### TRI-LOSIC RTD

Metal cutting liquid which doubles tool life. TRI-Logic RTD builds on the market leading RTD technology; providing excellent tool life and surface finish.





Part code Size 53003 350ml 53006 51 53008 **20l** 

# **ULTRAGRIND™/ULTRAFORM™**

#### **GRINDING FLUIDS**

ULTRAGRIND™ is a range of synthetic grinding fluids that contain technically advanced corrosion inhibitors, wetting agents and lubricity additives.

- ▶ Oil free keeps wheel clean/reduces dressing frequency
- Formulated to ensure rapid settlement of grinding fines; promoting an excellent surface finish
- Excellent residual corrosion protection
- Low odour, low foaming



#### **ULTRAGRIND Premium**



Suitable for medium to heavy surface, centreless and cylindrical grinding operations.

Part code 51182

51189

Size 201 2001

## **NEAT & WATER EXTENDABLE FORMING OILS**

The ULTRAFORM™ range of forming lubricants are formulated for cold forming operations such as deep drawing, forming, piercing and blanking.

- Increase production rates and reduce lubricant usage
- Provide optimum performance, preventing splitting, pick up & scoring, resulting in minimal scrap rates

#### **NEAT FORMING OILS:**

#### **ULTRAFORM 1060**

Vanishing film forming lubricant.



Part code Size 86213 201 86219 2001

#### **ULTRAFORM 1030**



High performance forming lubricant.

Part code	Size
86083	<b>20</b> l
86089	2001

**ULTRAFORM 1050** 

Low residue forming lubricant.

Part code Size 86103 201 86109 200l

#### **WATER EXTENDABLE FORMING OILS:**



201

#### **ULTRAFORM 2030 Plus**

High performance light/medium duty EP forming lubricant.

Part code Size 86023 86029 200l

# Ultracare® Fluid Management Service

The Ultracare service is our commitment to ROCOL® customers, ensuring optimum performance of cutting fluids at all times.

#### Ultracare will:

- ▶ Reduce fluid consumption and overall spend
- Improve machine performance & efficiency
- Minimise downtime
- Extend tool life
- Decrease waste disposal costs
- Contribute to health & safety compliance

#### What our customers say:

"Thanks to using ROCOL's TRI-Logic® system and Ultracare service our previous issues with bad odours, bacterial degradation and skin irritation have all been eradicated. There are now no instances of skin irritation and sump life is in excess of 18 months."

Oil and Gas Manufacturer

"Since using ROCOL Grinding Fluids we have moved from a fluid dilution of 20:1 to 60:1 and reduced our annual fluid usage by 70%."

Aviation Engineering Facility

"ROCOL have delivered a usage **reduction in excess of 50%** since introducing the ULTRACUT® EVO range of cutting fluids and we've realised a reduction of **10% on our tooling spend** thanks to the EP cutting fluid supplied."

**Tooling Manufacturer** 



# ULTRACUT® & TRI-LOGIC® SELECTION CHART

#### **CUTTING PERFORMANCE / MATERIAL SUITABILITY**

PRODUCT	EMULSION COLOUR	FLUID TYPE & TYPICAL DILUTION RANGE WITH WATER	Cast Iron	Aluminium	Copper Alloys / Brass	Low-Medium Carbon Steels	Hardened Tough Alloys
ULTRACUT® EVO 250	Milky White	Soluble Oil Up to 40:1 Cutting					
ULTRACUT® EVO 255	Milky White	Soluble Oil Up to 40:1 Cutting					
ULTRACUT® 255 HW	Milky White	Soluble Oil Up to 40:1 Cutting					
ULTRACUT® EVO 260	Milky White	Soluble Oil Up to 40:1 Cutting					
ULTRACUT® EVO 280	Milky White	Soluble Oil Up to 25:1 Cutting					
ULTRACUT® 320	Semi- Translucent Blue	Semi-Synthetic Up to 40:1 Cutting Up to 60:1 Grinding					
ULTRACUT® 370 PLUS	Translucent Green	Semi-Synthetic Up to 60:1 Cutting Up to 70:1 Grinding					
ULTRACUT® 390H	Translucent Green	Soluble Oil Up to 40:1 Cutting					
ULTRACUT® 620	Opaque Blue	Soluble Oil Up to 40:1 Cutting					
ULTRACUT® 550	Amber Oil	Neat Oil					
ULTRACUT® 540	Amber Oil	Neat Oil					
TRI-LOGIC® EP	Semi- Translucent	10:1 - 30:1					
TRI-LOGIC® ALX	Milky White	10:1 - 25:1					
TRI-LOGIC® HPX	Milky White	15:1 - 30:1					

If you require help selecting a product, contact ROCOL ®direct at: customerservice@rocol.co.za



ROCOL\*Lubricants South Africa PTY Ltd

T +27 (0) 11 462 1730 F +27 (0) 86 415 6627

E customerservice@rocol.co.za

