



MACHINE SHOP SOLUTIONS

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

Performance you can trust



RTD[®] CUT WITH CONFIDENCE



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

Reaming, tapping & drilling lubricant specifically formulated to double tool life.

Part code	Size
53072	400ml
53076	5l
53078	20l
53079	200l

RTD CLEANCUT

Non-staining metal cutting lubricant which doubles tool life.

Part code	Size
53062	350ml
53066	5l

Particularly useful on aluminium and yellow metals.

RTD COMPOUND

A soft paste for use in reaming, tapping, drilling and other metal cutting operations.

Part code	Size
53020	50g
53023	500g
53026	5kg
53028	18kg

TRI-LOGIC RTD

Metal cutting lubricant designed for selective application on arduous operations.

Part code	Size
53003	350ml
53006	5l
53008	20l

RTD SPRAY

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

Part code	Size
53011	400ml

RTD FOAMCUT SPRAY

Foaming metal cutting lubricant specifically formulated to provide extreme pressure cutting performance.

Part code	Size
53041	300ml

CHECK OUT THE OTHER PRODUCTS IN THIS RANGE...

CORROSION PROTECTION



MOISTURE GUARD
provides exceptional corrosion protection for expensive tool holders, fixtures and bright metal components whilst in storage.

Part code	Size
CLEAR 69025	400ml
GREEN 69045	400ml
GREEN 69006	5l

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.

Part code	Size
34141	400ml

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	Size
12751	380g
12755	4kg
12754	18kg
12758	50kg



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

Part code	Size
10040	100g
10046	750g
10047	18kg

EVO RANGE

ULTRACUT® EVO is our biocide & skin sensitizer free, range of cutting fluids.

These bio-stable, highly concentrated cutting fluids provide maximum performance whilst remaining cost effective.

The EVO range has been carefully formulated to make them some of the most operator friendly fluids on the market. The range is multi-metal compatible, allowing product rationalisation and simplification.

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



Chlorine free cutting fluid for light to medium cutting operations.

Part code	Size
51366	5L
51363	20L
51369	200L

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	20L
51339	200L

ULTRACUT EVO 280



Chlorine free cutting fluid for general purpose and aluminium.

Part code	Size
51682	20L
51689	200L



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

ULTRACUT® Semi Synthetic Series is a range of highly refined mineral oil fluids that form a semi-synthetic micro emulsion.

They can be used to rationalise to one fluid, for both cutting and grinding applications. The ULTRACUT range is safe, pleasant to use and provides long predictable sump life, ensuring they are very cost effective. Their formulations provide high dilutions for extremely economical usage.

ULTRACUT 320



Semi translucent fluid for cutting and grinding, providing maximum performance for the most arduous materials.

Part code	Size
51323	20L
51329	200L

ULTRACUT 620



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

Part code	Size
51389	200L

ULTRACUT 390H



High performance, EP fluid for tough alloys.

Especially effective when machining cast iron.

Part code	Size
51296	5L
51293	20L
51290	55L
51299	200L

ULTRACUT 370 PLUS



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

Part code	Size
51376	5L
51373	20L
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	Size
51619	200L

MAXIMUM LIFE CUTTING FLUIDS

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

All raw materials used in the TRI-Logic 3 part system have been selected for their “biological hardness” (inherent 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:

1

TRI-LOGIC[®] EP



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

Part code 51899 **Size** 200L

TRI-LOGIC[®] 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 51959 **Size** 200L

TRI-LOGIC[®] 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 51979 **Size** 200L

High performance machine tool lubricants:

2

TRI-LOGIC[®] H046



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

Part code 52195 **Size** 1000L

TRI-LOGIC[®] 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

Tapping fluid that fortifies cutting fluid:

3

TRI-LOGIC[®] 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 53003 **Size** 350ml
53006 5L
53008 20L

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	Size
51182	20L
51189	200L

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	20L
86219	200L

ULTRAFORM 1030

High performance forming lubricant.



Part code	Size
86083	20L
86089	200L

ULTRAFORM 1050

Low residue forming lubricant.



Part code	Size
86103	20L
86109	200L

WATER EXTENDABLE FORMING OILS:

ULTRAFORM 2030 Plus

High performance light/medium duty EP forming lubricant.



Part code	Size
86023	20L
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

ROCOL
Cutting Fluids

Ultracare
Equipment

Ultracare
Technical Support

Ultracare
Fluid Management

Ultracare
Survey

Ultracare
Service Engineer

Ultracare
Operator Training



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	●	● ● ●	● ● ●	● ● ●	● ●

● ● ● Optimum Performance ● ● Very Good Performance ● Good Performance ✗ Not suitable

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



www.rocol.co.za

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MWSE0119 V1