

The ROCOL logo is located in the top right corner. It consists of the word "ROCOL" in a bold, black, sans-serif font, with a registered trademark symbol (®) to its upper right. Below the text is a solid orange triangle pointing downwards, all contained within a white shield-like shape with a grey border.

**ROCOL®**

The background of the advertisement is a close-up photograph of a metalworking process. A high-speed rotating tool, likely a drill or end mill, is shown cutting into a metal workpiece. A high-pressure jet of coolant is directed at the cutting point, creating a mist of fine particles and liquid spray. The scene is brightly lit, highlighting the metallic surfaces and the dynamic nature of the process.

## METALWORKING SOLUTIONS

Superior performance metalworking products and fluid management solutions, to make your working lives easier.

Performance you can trust

MAXIMUM PERFORMANCE  
MAXIMUM EFFICIENCY  
WORLD CLASS SERVICE  
**NO COMPROMISE**

Ultracare®

ULTRACUT®

TRI-LOGIC®  
SYSTEM

ULTRAFORM™

ULTRAGRIND™

# A HISTORY OF EXCELLENCE

**At ROCOL® we manufacture a range of innovative greases, oils, metalworking fluids, lubricants, aerosol paints, anti-slip floor coatings and panels - all designed to exceed today's challenging operating conditions.**

Here at ROCOL® we pride ourselves on producing technically advanced metalworking fluids, lubricants and solutions with industry needs at the core, for more than 135 years.



**Since 1878**



Whilst we have made significant advances over the years, our ethos remains the same - to deliver products of superior quality than the competition, giving you performance you can trust.

**ROCOL is renowned for:**

- ▶ Trusted Superior Performance
- ▶ Problem Solving
- ▶ High Quality
- ▶ Technical Innovation
- ▶ Excellent Technical and After-Sales Support





# ULTRACUT®

## 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, 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
- ▶ Metal deactivators and passivators - multi-metal compatibility
- ▶ Optimum performance of cutting fluids at all times
- ▶ Low Foaming- Ideal for high pressure systems
- ▶ The achievement of OHSAS 18001 and BS EN ISO 14001

### OFFERS DILUTION RATIOS UP TO 40:1

### THE RANGE INCLUDES:



#### ULTRACUT® EVO 250

Chlorine free cutting fluid for light to medium cutting operations.

Part code	Size
51366	5L
51363	20L
51360	55L
51369	200L

#### ULTRACUT® EVO 255

High performance, EP fluid for tough alloys.

Part code	Size
51336	5L
51333	20L
51339	200L

#### ULTRACUT® EVO 260

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

Part code	Size
51263	20L
51260	55L
51269	200L

#### ULTRACUT® EVO 280

Chlorine free cutting fluid for general purpose and aluminium.

Part code	Size
51682	20L
51689	200L



## 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 provide long predictable sump life, ensuring they are very cost effective. Their formulations provide high dilutions for extremely economical usage.

**OFFERS DILUTION RATIOS UP TO 70:1**



### THE RANGE INCLUDES:

#### 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

Chlorine free, translucent green emulsion, suitable for medium grade materials for both cutting and grinding.

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

#### ULTRACUT® 370 Plus

Ideal for light/medium machining/grinding of ferrous materials, in particular cast iron. Forms a translucent green micro-emulsion.

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.**



### THE RANGE INCLUDES:

#### ULTRACUT® 540

Extreme pressure, high performance neat oil cutting fluid.

Part code
51415

#### ULTRACUT® 550

Maximum performance, EP neat oil cutting fluid

Part code
51619

*Available in 200L & 1000L*





## MAXIMUM LIFE CUTTING FLUIDS

All TRI-Logic<sup>®</sup> 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<sup>®</sup> ML SYSTEM

Chlorine free, multi purpose cutting fluid offering maximum sump life. Suitable for machining ferrous and non ferrous materials.

**Part code** 51809 **Size** 200L



#### TRI-LOGIC<sup>®</sup> EP SYSTEM

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<sup>®</sup> ALX SYSTEM

A maximum life, multi-purpose fluid suitable for all grades of aluminium, through to the tougher alloys. High performance on difficult aluminium processes such as roll tapping.

**Part code** 52159 **Size** 200L



#### TRI-LOGIC<sup>®</sup> HPX SYSTEM

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. Offers excellent surface finish.

**Part code** 51979 **Size** 200L



#### TRI-LOGIC<sup>®</sup> FE SYSTEM

Multi purpose cutting & grinding fluid for ferrous materials, especially suited to cast iron.

**Part code** 52159 **Size** 200L



### High performance machine tool lubricants:

2

#### TRI-LOGIC<sup>®</sup> H046 SYSTEM

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

**Part code** 52195 **Size** 1000L

#### TRI-LOGIC<sup>®</sup> H032 SYSTEM

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

**Part code** 51949 **Size** 200L



#### TRI-LOGIC<sup>®</sup> VG68 SYSTEM

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

**Part code** 52123 **Size** 20L  
**52129** 200L



### Tapping fluid that fortifies cutting fluid:

3

#### TRI-LOGIC<sup>®</sup> RTD<sup>®</sup> SYSTEM

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

**Part code** 53003 **Size** 350ml  
**53006** 5L  
**53008** 20L



# ULTRAGRIND™/ULTRAFORM™

ROCOL®

## 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

**OFFERS DILUTION RATIOS UP TO 70:1**



### THE RANGE INCLUDES:

#### ULTRAGRIND® 430

Ideal for light to medium surface, centreless and cylindrical grinding operations.

Part code	Size
51503	20L
51509	200L



#### ULTRAGRIND® Premium

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

Part code	Size
51182	20L
51189	200L

#### ULTRAGRIND® Carbide

High performance synthetic carbide grinding fluid.

Part code	Size
51719	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® 1050

Low residue forming lubricant.

Part code	Size
6103	20L
86109	200L

##### ULTRAFORM® 1030

High performance forming lubricant.

Part code	Size
86083	20L
86089	200L

### THE RANGE INCLUDES:



#### WATER EXTENDABLE FORMING OILS:

##### ULTRAFORM® 2030 Plus

High performance light/medium duty EP forming lubricant.

Part code	Size
86013	20L
86019	200L

##### ULTRAFORM® 2015

High performance medium/heavy duty EP chlorine free forming lubricant.

Part code	Size
86099	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

**ROCOL®**

**Ultracare®**

# ULTRACUT® & TRI-LOGIC® SELECTION CHART

PRODUCT	EMULSION COLOUR	FLUID TYPE & TYPICAL DILUTION RANGE WITH WATER	CUTTING PERFORMANCE / MATERIAL SUITABILITY				
			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® 250 HW	Milky White	Soluble Oil Up to 35:1 Cutting	▶▶	▶▶	▶▶	▶▶▶▶	▶
ULTRACUT® EVO 255	Milky White	Soluble Oil Up to 40:1 Cutting	▶▶	▶▶	▶▶	▶▶▶▶	▶▶▶
ULTRACUT® 255 HW	Milky White	Soluble Oil Up to 35:1 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® 370 PLUS	Translucent Green	Semi-Synthetic Up to 60:1 Cutting Up to 70:1 Grinding	▶▶	▶▶	▶	▶▶▶▶	▶
ULTRACUT® 320	Semi Translucent Blue	Semi-Synthetic Up to 40:1 Cutting Up to 60:1 Grinding	▶▶	▶▶	▶▶	▶▶▶▶	▶▶▶
ULTRACUT® 620	Opaque Blue	Soluble Oil Up to 40:1 Cutting	▶▶	▶▶	▶	▶▶▶▶	▶▶▶
ULTRACUT® 390H	Translucent Green	Soluble Oil Up to 40:1 Cutting	▶▶▶▶	▶	▶	▶▶▶▶	▶
ULTRACUT® 550	Amber Oil	Neat Oil	▶▶▶▶	▶▶	▶	▶▶▶▶	▶▶▶▶
ULTRACUT® 540	Dark Amber Oil	Neat Oil	▶▶▶▶	▶▶	▶	▶▶▶▶	▶▶▶
TRI-LOGIC® ML	Semi Translucent	20:1 - 30:1	▶▶	▶▶	▶	▶▶▶▶	▶
TRI-LOGIC® EP	Semi Translucent	20:1 - 30:1	▶▶	▶	▶	▶▶▶▶	▶▶▶▶
TRI-LOGIC® ALX	Milky White	10:1 - 25:1	▶	▶▶▶▶	▶▶▶▶	▶▶▶▶	▶▶▶▶
TRI-LOGIC® HPX	Milky White	15:1 - 30:1	▶	▶▶▶▶	▶▶▶▶	▶▶▶▶	▶▶▶▶
TRI-LOGIC® FE	Translucent Green	30:1 - 40:1	▶▶▶▶	X	▶	▶▶▶▶	▶

▶▶▶▶ Optimum Performance   ▶▶ Very Good Performance   ▶ Good Performance   X Not suitable

If you require help selecting a product, contact ROCOL® direct on: +44 (0) 113 232 2700.



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