

CIMCOOL[®]
FLUID TECHNOLOGY



Metal Working Fluids

**EVERY
DROP**

is worth it!

**PRODUCT
CATALOGUE**



COMPANY PROFILE

CUMI HISTORY

CUMI, pioneered the manufacture of Coated Abrasives, Bonded Abrasives, Metal Working Fluids and Super Abrasives in India in addition to the manufacture of Super Refractories, Electro Minerals, Industrial Ceramics and Ceramic Fibers. With strategic global alliances and state-of-the-art manufacturing facilities spanning the Southern Asian region, China, Russia and Africa, CUMI has achieved a reputation for quality and innovation.



CIMCOOL HISTORY

Cimcool is a leading world wide specialist in the supply of Metal Working Fluids. Environmental issues, Health & Safety aspects and the drive to reduce total costs are key elements in the development of our products.



Cimcool is focused on “ Total Production Process” approach and benefits the customers in 3 ways:

- Lower annual costs
- Higher quality parts
- Safer working environment



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Water Solubles Broadly classified into Semi-Synthetic, Synthetic, Emulsions.

Semi Synthetics

CIMSTAR & CUMIMICRO S Range of Semi Synthetic Products are industry leading products, with a broad range of machining and grinding fluids which are recommended for general purpose and medium- to heavy-duty operations. Ideal for ferrous and many non-ferrous metals, These Products commonly contain a low to moderate amount of mineral oil (25 - 50%) and are semitransparent when mixed with water. These are especially popular in applications that require long fluid life and cleanliness. These products can handle a wide range of applications and plant environments. They are particularly well suited for both individual machines and central system applications because of their broad range of operating capabilities.



- Cimstar 560
- Cimstar MB602C
- Cimstar 506
- Cimstar 156
- Cimstar SIR



- Cumi Micro S930
- Cumi Micro S942

Applications: General Purpose Grinding and Light Duty Machining & Turning



Synthetics

CIMTECH & CUMITECH Series of synthetic products improve both machining and grinding applications without using mineral oil. These products are designed to provide clean, low foaming, synthetic metalworking fluids. These qualities translate to significant advantages in machine performance and product quality. These can be applied for both heavy- and light-duty grinding and machining operations while providing superior results on ferrous and non-ferrous metals. These products are formulated to reject tramp oil, Withstand High water Hardness Tolerance, Good Cooling & Washing Action while providing a transparent fluid.



- Cimtech D14 / D18
- Cimtech 10
- Cimtech D16C
- Cimtech A31
- Cimtech BF921R
- Cimtech 500



- Cumisynth C442
- Cumitech C462 TC
(Specially Designed for Carbide Grinding)
- Cumitech 550



Applications:

For Grinding applications like Roll Grinding, Face Grinding etc., with large area of contact. A31 / Cumitech 550 is for Aero Space and Heavy duty machining applications.

Emulsions

The CIMPERIAL & EMSOL Range of products are designed and tested in the most challenging applications. Designed for heavyduty machining and grinding on both ferrous and non-ferrous metals, CIMPERIAL & EMSOL soluble oils offer long fluid life, corrosion protection, high lubricity, low foaming characteristics and excellent rancidity control. Specialty formulations contain extreme pressure additives providing for enhanced machining and grinding performance capabilities in the most difficult applications



- Cimperial HD812
- Cimperial 946080
- Cimperial 856
- Cimperial 946010



- Cumi Emsol E1310
- Cumi Emsol E1310S



Applications: Heavy Duty Machining & Turning



Neat Oils

Milpro and CUMILUBE SL Series are high performance Specially designed products blended from highly refined mineral oil to give Superior Part Finish and Dimensional Stability, Excellent tool life, good filterability. Products are free from Sulfur and Chlorine. Products are available in all Low, Medium and High Viscosities for various applications.



- Milpro LV10, LV15



- Cumi Lube SL950

Applications:

Honing, Gear Hobbing, Shaving, Broaching, Gear Grinding, Thread Grinding, Profile Grinding, CBN Grinding Low Viscous oils for Light Duty applications and High Viscous oils for Heavy Duty applications.

Cleaners

CIMCLEAN and CUMICLEAN series of System and Part Cleaners are designed for Cleaning Machines, Central Systems, Coolant Lines, Produced Jobs etc. It removes slime, dirt, oil and hard water residue, thereby enhancing the life of the metal working fluid. All products are Water Soluble Alkaline Cleaners which can work at Ambient Temperatures giving a huge savings on Power Consumption.



- Cimclean 50
- Cimclean PC230
- Cimclean PC340
- Cimclean PC410
- Cimclean FC910



- Cumiclean CWF 242
- Cumiclean CWG 222
- Cumiclean CWNF 244

Applications:

Part Cleaners, System Cleaners, Floor Cleaners
Ultrasonic and Spray Washers gives excellent results.
Can be used for High pressure washing of Fuel Injection Components also
Compatible with the complete Cimcool range of removal and forming products.

Rust Preventives

CIMGUARD & CUMIGUARD Series are Rust Preventives to give Rust Protection on jobs. These are Oil & Solvent Based to give both Indoor, Outdoor & Sea worthy Protection from 6 months to 24 months. This can give a coverage of 25 – 80 Sq. Mtr / Ltr. Dewatring Type Rust Preventives also available.



- Cimguard DW
- Cimguard 20
- Cimguard 40
- Cimguard 80
- Cimguard 90



- Cimguard 140E

Applications:

For all jobs after Machining, Turning, Grinding, Forming. Can be used for In process as well as Finished Goods ready for Dispatch



Forming Fluids

The MILFORM and CUMIFORM Series of stamping and tube bending fluids provide solutions to a wide variety of metal-forming applications. These superior lubricants include evaporative lubricants, straight oils, soluble oils and clean-operating synthetics. These products are developed to optimize tool life, part quality and cost efficiency. Evaporative products leaves almost nil residues on the Formed Products.

Types

Solvent Based (Evaporative Type) - For Light & Medium Duty Applicaitons

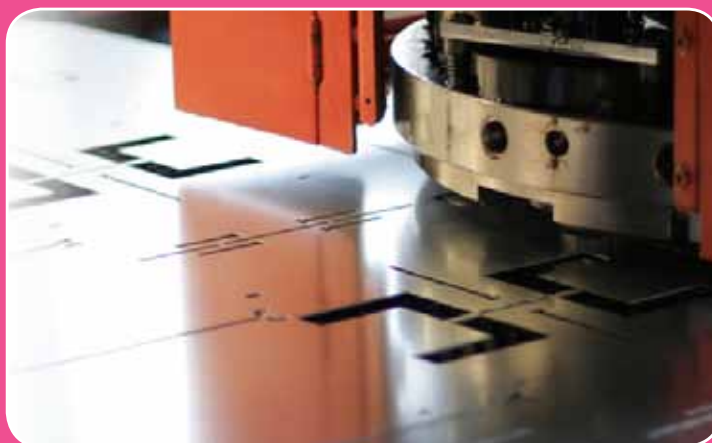
- Milform 2108
- Milform 2220
- Milform 2315
- Milform 2408
- Milform 2600
- Cumiform 1006

Oil Based – For Light & Heavy Duty Copper Tube Bending

- Milform 91
- Milform 94

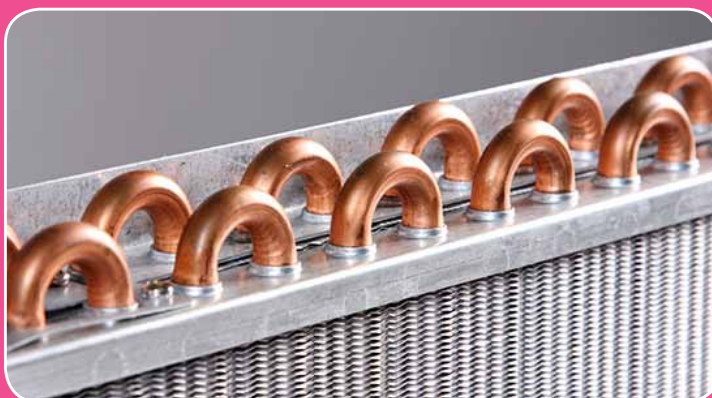
Water Soluble – For Heavy Duty Punching

- Milform 645



Applications:

For Ferrous as well Non Ferrous applications. HVAC Industries for Aluminum Fins Punching, Tube Bending, Electrical Laminations, Coins Punching, Blanking, Tube Forming, Drawing, Profile Stamping.



Equipments



Mix Master



Ta Kit



Oil Wheel



Refractometer



PH Meter

Industries Served



AEROSPACE



AUTOMOTIVE



GLASS



HVAC



MARINE



MEDICAL



TUBE & PIPE



WINDMILL



WIRE DRAWING



murugappa



● **AHMEDABAD**

No.303, Mahalaya, Near Hotel President, Off C.G.Road, Near Municipal Market, Navrangpura, Ahmedabad - 380 009.
Tel. : 079-3008 2582, Fax : 079-3008 2583

● **BANGALORE**

N-706, Manipl Centre, No.47, Dickenson Road, Bangalore - 560 042.
Tel. : 080-3077 0600 / 0601 Fax : 080-2558 4785

● **CHENNAI**

81, Vetrivinayagar Koil Street, Thiruvaleeswarar Nagar, Thirumangalam, Anna Nagar, Chennai - 600 040. • Tel. : 044-3013 2488 2488-94 Fax : 044-3013 2493

● **NEW DELHI**

Param Tower, Second Floor, 11/5-B, Pusa Road, Opp. Telephone Exchange, New Delhi - 110 005. • Tel. : 011-3090 1903

● **GURGAON**

Plot No. 2315 / 23-B, Old Delhi Road, Opp. Payal Cinema, Behind Karim Restaurant, Gurgaon - 122 001, Haryana. • Tel. : 0124-222 1085 / 6 / 7 Fax : 0124-222 1088

● **KOLKATTA**

Shrachi Tower, Unit 1-A, First Floor, 686, Anandpur, Kasba (PO), Kolkatta - 700 107.
Tel. : 033-3023 8060-69 / 3023 9671-75 Fax : 033-3024 9673

● **LUDHIANA**

P.No.172, BXV Street, No.6, Guru Nanak Motor Market, G.T.Road, Miller Ganj, Lundhiana - 141 003. • Tel. : 0161-3028 415-424 Fax : 0161-3028420

● **KOCHI**

Post Box No.1, Kalamssery Developed Plot (PO), Kalamassery - 683 109.
Ernakulam District, Kerala. • Tel : 0484-3023501-2 Fax : 0484-2532019

● **MUMBAI**

P.B.No.962, United India Building, III Floor, Sri Pherozhalah Mehta Road, Mumbai - 400 001.
Tel : 022-31920221-226 Fax : 022-22662289

● **PUNE**

Plot No.106, Shruthi Enclave, Near Telco Road, Udyam Nagar, Pimpri, Pune - 411 018.
Tel. : 020-3917 0032-38 Fax : 020-3917 0030

● **SECUNDERABAD**

Golden Hawk, Plot No.1-8-208, Door No.106 & 107, P.G.Road, Secunderabad - 500 003.
Tel. : 040-3052 3233-39

JAMSHEDPUR

Mobile : 086038 58363

NAGPUR

Mobile : 098230 89990

UTTAR PRADESH (UP)

Mobile : 095602 00025

INDORE

Mobile : 095840 87555



CARBORUNDUM UNIVERSAL LIMITED

REGISTERED OFFICE:

Parry House - 6th Floor, No.43,
Moore Street, Chennai - 600 001.
Tel: +91 44 3000 6171 Fax: +91 44 3000 6191
email: rajeshkumarpb@cumi.murugappa.com

www.cumiabrasives.com