



**WITMANS**  
ADVANCED FLUIDS

# KIRTILAL

*Metalworking LLP*

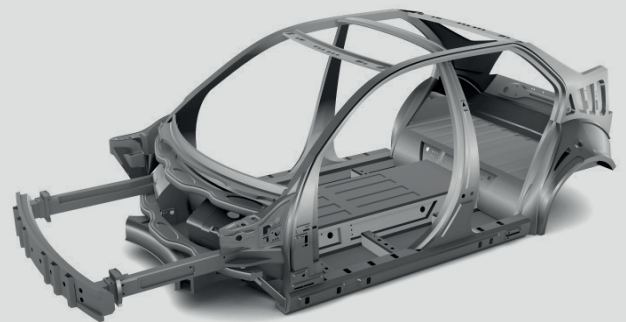


## LUBRICANTS FOR CHIPLESS PROCESS

- ▶ METAL FORMING
- ▶ TUBE FORMING
- ▶ COLD HEADING

## SPECIALITY CHEMICALS

- ▶ AUTOMOTIVE FLUIDS
- ▶ METAL WORKING FLUIDS
- ▶ CONSUMER PRODUCTS



## WATER & EFFLUENT MANAGEMENT

- ▶ WATER TREATMENT SOLUTIONS
- ▶ WASTE WATER TREATMENT
- ▶ INTEGRATED TOTAL WATER SOLUTIONS

## INDUSTRIAL PAINTS

- ▶ PRIMERS
- ▶ INDUSTRIAL PAINTS
- ▶ ANTICORROSIVE PAINTS



YOUR AGILE PARTNER IN  
**TOTAL MANUFACTURING PROCESS**

Shop Metalworking Fluids & more at  
[www.kirtilal.com](http://www.kirtilal.com)

# ONE STOP SOLUTION PROVIDER FOR TOTAL COST OF OWNERSHIP

WITMANS ADVANCED FLUIDS is one of the leading industrial specialty lubricant manufacturer providing solutions to all metal working applications by value added products and technology in collaboration with leading multinational companies from Europe and America.

WAF India is a subsidiary of an Indian Company - Witmans Industries Private Limited, established in 1989 an ISO 9001:2015 certified company, having major market share in textile industry.

With a strong ethical business standards, Witmans as a leading brand is home to highly-adaptive and innovative solutions in the field of Metal Working Fluids, Cutting Tools, Lubricants, Industrial Paints, Water and Effluent Treatment Plant.

Leading lubricant  
manufacturing  
company in India

**150+**  
EMPLOYEES



**1989**  
FOUNDED

The mesmerising culture and employee engagement results in high retention of the employees in our organisation

## WHY CHOOSE US?



### REACH COMPLIANCE

Our European counterparts produce REACH compliant. Our products are Boron, Formaldehyde and secondary amine free.



### PRODUCTIVITY ENHANCEMENT

We provide the latest technology to achieve visible improvement in your productivity.



### ZERO DISCHARGE

Reducing hydrocarbon footprint through minimum disposal into environment.



### RESEARCH & DEVELOPMENT

Providing Custom based solutions for all technical challenges

Manufacturing Specialty  
Industrial Lubricants  
in Automotive, Metal  
Working Fluids, Industrial  
Paints, Water Treatment  
Plants and Equipment

**02**  
LOCATION

More than 75% market  
share in textile lubricants  
and exports to various  
countries. Annual  
turnover of 300 crore

**2018**



**25+**  
YEARS OF  
EXPERIENCE



Two Manufacturing  
Plants Located at DAMAN  
(Union Territory Of India)  
& at WADA, Dist. Thane in  
Maharashtra



**>80%**  
BUSINESS  
RETENTION



Joint ventures/ collaboration  
with European and US  
Manufacturers OEST,  
tribo-chemie and Lubritalia Spa

## OUR APPROACH TOWARDS REDUCTION OF TOTAL COST

Zero Liquid Discharge ETP & STP

Minimized Chemical Cost

Deploying Whisker-Reinforced Ceramic Technology

Total Fluid Management

Data Monitoring System

Effluent Treatment  
Solutions

Equipment and Chemical  
Management Solutions

Anti-Corrosive  
Solution

Industrial Paints and  
Coatings

**WE OWN  
PROCESS TO  
REDUCE YOUR  
COST**

Water Treatment  
Solutions

Industrial & Speciality  
Lubricants

Specialized Tooling  
Solutions





**WITMANS**  
ADVANCED FLUIDS

**BASICALLY INNOVATIVE**



## OUR MANUFACTURING FACILITY

Witmans was established in 1989 with a sole aim to produce high quality lubricants & cater to the needs of various industries. The company is engaged into manufacturing of various types of performance lubricants, Plasticizers & specialty coating.

Our state of the art manufacturing plants are located at Daman & Wada, Maharashtra. For the past 25 years Witmans is successfully developing specialty lubricants and serving the global manufacturing industry.

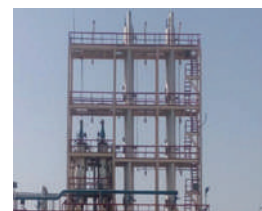
### LUBRICANTS & SYNTHETIC ESTER DIVISION

- Factory built on 25000 Sq. Mtr land in prime industrial area of Daman
- State Of Art blending plant to produce about 50,000 Mt of Oils and Lubricants per annum
- State Of Art Esterification plant to produce about 4000 Tonnes of various grades of Esters per annum
- State Of Art product development laboratory
- Storage Tanks of Capacity 5000 Mt.
- Fully automatic blending filling operations based on SkadaPlcSystems.

### PAINT & PROTECTIVE COATING DIVISION

- Factory built on a land of 2 acres at Wada, Maharashtra
- Underground Solvent Storage tank of 100kl
- Production Capacity of 200kl/ per month
- State of the Art Modern Machinery

Reservoir capacity for raw material and finish material storage 8100 mt



Esterification plant with 18 meter column designed to produce a maximum of 4000 mt of low tan synthetic esters



Processing capacity – 23 blending kettles, supporting in producing 50,000 mt oil per annum



Well equipped laboratory for product development and product testing, controlled laboratory tests.



Dedicated team of R&D Specialists, technical & quality control and highly efficient modern age product testing machines



## OUR PRODUCT RANGE

### SPECIALITY CHEMICALS

We manufacture a wide speciality of chemicals with optimum performance suiting your needs. We manage what we supply, with our people and equipment.



#### AUTOMOTIVE FLUIDS

Engine Oil  
Gear Oil  
Transmission Oil



#### METAL WORKING FLUID

Water Miscible Coolants  
Neat Cutting Oil  
Quenching Oil  
Forging Lubricants  
Die Release Lubricants  
Washing Chemicals  
Rust Preventive Oil  
Steel Rolling | Aluminum Rolling  
Cold Heading | Forming Lubricants



#### CONSUMER PRODUCTS

Fire Resistant Hydraulic Fluid  
Industrial Gear Oil  
Air Compressor Oil  
Spindle Oil  
Rubber Processing Oil  
Hydraulic Oil  
Tap Life Enhancer Paste  
Anti Weld Splatter Spray

### INDUSTRIAL PAINTS

We formulate customized industrial paints and coating suits for various purposes.



#### PRIMERS

Polyurethane Primers  
High Build Epoxy Primers  
Epoxy Primers  
Red Oxide Primers  
Red Oxide Zinc  
Chromate Primers  
Itch Primer for Aluminum Coatings



#### INDUSTRIAL PAINTS

Casting Sealer  
Pipe Coating Lacquer – Black/Clear  
Coal Tar Epoxy Paints  
High Build Black  
Bituminous Paints  
Thinner  
Anticorrosive Paints

Epoxy Paints Two Pack/ Single Pack  
Chlorinated Rubber Paints  
Polyurethane Paints  
High Build Epoxy Paints  
Synthetic Enamel Paints  
Q. D. Enamel Paints  
Heat Resistant Paints 250°C – 500°C  
Aluminium Paints, Paste & Medium  
Polyurethane Lacquer

### LUBRICANTS FOR FORMING & COLD FORGING

WAF in collaboration with Oest GmbH & Kemino SpA introduce forming lubricant innovation technology to Indian manufacturing industry to cut down operations cost.



#### FORMING - PLATINOL - VARIOL

PLATINOL SF- vanishing oils for punching and bending  
PLATINOL B – Chlorine and VOC – free forming oils  
PLATINOL B 800- Forming Oils for automotive manufacturing  
ROBINOL- Lubricants for Tube Processing  
VARIOL CU & ST - Lubricants for Massive Forming



#### COLD HEADING

VARIOL OFF  
HFDU Esters, Chlorine and Sulphur Free Lubricants

### WATER WASTE MANAGEMENT

Delivering up to 95% of water back into the system.

With zero discharge leading to minimum waste and minimum chemicals.



#### WATER TREATMENT SOLUTIONS

Water Softener  
Dealkaliser  
Capacitive Deionisation (CDI)  
Continuous Electro Deionisation System  
Two Bed Demineralisers (DM)  
Mixed Bed Demineralisers (MB)  
Reverse Osmosis Plant



#### WASTE WATER TREATMENT

Effluent Treatment Plant (ETP)  
Sewage Treatment Plant (STP)



#### INTEGRATED TOTAL WATER SOLUTIONS

Zero Liquid Discharge System  
Recycling System

## AUTOMOTIVE ENGINE OILS

Your engine is a complex machine with hundreds of moving parts that operate under a wide range of temperatures and stresses. The oil you select needs to be equally capable of coping with such operating conditions to provide engine protection against wear, corrosion and buildup of dirt and carbon deposits. By carefully selecting the best oil for your vehicle, you can improve engine performance, extend engine life and reduce emissions. Witmans Advanced Fluids engine oils are manufactured from selecting premium quality hydro treated (group II) and hydrocracked (group III) base oils and special additives to meet the highest performance level.



### BENEFITS

- Better lubrication at both hot and cold temperatures
- Potentially increased horsepower and torque due to reduced friction
- Enhanced cleanliness and superior engine protection
- Increased stability and endurance – the oil lasts longer and needs to be changed less frequently
- The potential for improved fuel economy

Engine oil typically consists of about 80% base oil and 20% performance additives. The performance additives include anti-wear additives, antioxidants, dispersants and detergents that keep the engine clean, and viscosity index improvers that ensure the oil maintains an optimum viscosity throughout the engine's operating temperature range. The base oil carries these additives to where they are needed, and provides vital cooling to engine components, by drawing away heat.

Base oils can be either mineral or synthetic, and engine oils can contain all-mineral or all-synthetic base oil, or a mixture of the two.

## AUTOMOTIVE GEAR OILS

WAF Automotive Gear Oils are extreme-pressure lubricants designed for automotive gear cases. They are designed to meet the needs of on-highway and off-highway vehicles including passenger cars, trucking, agricultural, construction and industrial equipment.

Available in a range of SAE viscosity grades for use in modern heavy duty automatic transmissions, they provide extended durability in cold temperature environments and protection during high temperature operations.

Gear oil is a lubricant made specifically for transmissions,



### BENEFITS

- Improved wear and oxidation resistance in extended drain service
- Provide reduced fluid friction for greater efficiency and less down time for oil changes
- Available in a wide range of SAE viscosity grades
- Excellent pumpability at cold temperatures

transfer cases, and differentials in automobiles, trucks, and other machinery. It is of a high viscosity and often contains organosulfur compounds.

Our Comprehensive Gear oils deliver the range of performance you need, from standard mineral oils to high performance synthetic oils.

Our range of high-performance gear oils provide protection against the harmful effects of friction, keeping your gearboxes efficient for longer.



## WATER MISCIBLE COOLANTS

Witmans Advanced Fluids products are backed by state-of-the-art R&D with a technology centre dedicated to the latest developments in the field. Our expertise in this field supports customers to get the best out of their machines

### WATER SOLUBLE OILS ARE DIVIDED INTO

#### MINERAL OIL BASED COOLANT

These Product comes with Good Lubrication capacity & High resistance to Bacterial Growth. They are the least expensive and are the most widely used in general machining of Ferrous & Non-ferrous Metals.



and tools, and so optimize their economic efficiency, productivity and machining quality. We provide a range of services to customers including fluid monitoring and coolant management to assist users in getting the most out of our lubricants.



#### SEMI-SYNTHETIC COOLANT

Semi-synthetic coolants are metalworking fluid concentrates that contain a small amount of oil (usually less than 30%) and other additives. When mixed with water, they form a translucent fluid. It provides excellent bio-resistance for long life in both individual sumps and large central systems.

#### SYNTHETIC COOLANT

They do not contain mineral oil base or petroleum. Instead, they are formulated from the alkaline organic and inorganic compounds alongside additives to prevent corrosion. They function well in their diluted form. Synthetic fluids offer the best cooling performance.

#### BENEFITS

- REACH Compliant Product Platform
- Better Surface Finish
- Lowering Tool Cost
- Better Corrosion Protection
- Improved Machine Cleanliness
- Assured Return on Investment



\* WAFPL Offers a product range which are Boron-free, Formaldehyde-free & Secondary Amines-free.

## NEAT CUTTING OILS

Compared to water-mixed coolant lubricants, where the water content provides maximum cooling action, this becomes less important in non-water miscible cooling lubricants in favour of higher lubricating action. The performance of cutting oil is determined by the viscosity and by the content and effectiveness of the active additives.

Neat Cutting Oil is a range of highly refined transparent, inactive cutting oils with extreme pressure properties. These cutting oils are specially developed for wide range of machining operations. They are blended from highly refined high viscosity index mineral oils and carefully selected

additives. Our products are designed to provide excellent heat removal, fast stock removal, Extended tool life and superior finish.

Extreme Pressure (EP) additives such as chlorine and sulphur have been added at various levels to neat oils to provide increased tool life and improve surface finish. However, to meet environmental requirements and higher benchmarks in performance, we have developed high-performing, environment-friendly neat cutting oils with synthetic ester-based, chlorine and sulphur-free cutting oils.

### APPLICATIONS

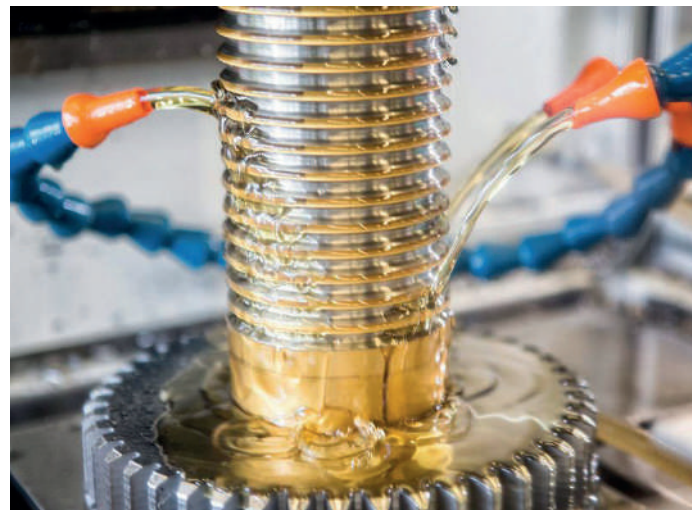
- Deep Hole Drilling
- Broaching
- Gear Cutting - (Hobbing/Shaving/Shaping)
- Grinding
- EDM Oils
- Lapping
- Blanking/Vanishing
- MQL



### Spray Mist Lubricants for Minimum Quantity Lubrication (MQL)

For machining operations where a circulating medium for cooling & chip transport can be omitted, the MQL technology can provide opportunities for cost reduction and/or productivity increase under favourable conditions.

The lubricating aerosol can be provided through one channel or two channel spray systems. In individual cases, this can also be provided in combination with CO<sub>2</sub> or N<sub>2</sub> cooling.



### WAF OFFERS

- Products with higher metal removal rates & maximum dependability
- Our NCO product basket offers a wide range of viscosity (2 Cst to 50 Cst at 40°C)
- Flash point >230°C
- Copper corrosion (1a to 4c)
- Synthetic ester and vegetable ester-based oils for better performance
- Less-mist additive products



## QUENCHING OILS & POLYMERS

Quenching oils are designed for rapid or controlled cooling of steel or other metals as part of a hardening, tempering or other heat-treating process. Our rich experience in product development ensures that our product range is more than capable of meeting the latest industry advances.

Our WITQUENCH range includes Slow, Medium & Fast Quenching Oils as per customer requirements.

### THIS PRODUCT RANGE COVERS ALL QUENCHING PROCESSES

- Batch Furnace
- Vacuum Furnaces
- Pit type Furnaces
- Open Tank Furnaces

### POLYMER QUENCHANTS

Offer multiple advantages compared to other quenching media in case of technology, environment, health and safety. Witmans Advanced Fluids polymers are all non-flammable, non-toxic, provide freedom from the smoke, fume and fire hazards frequently associated with mineral oil based quenchants.

### TYPES OF POLYMER QUENCHANTS

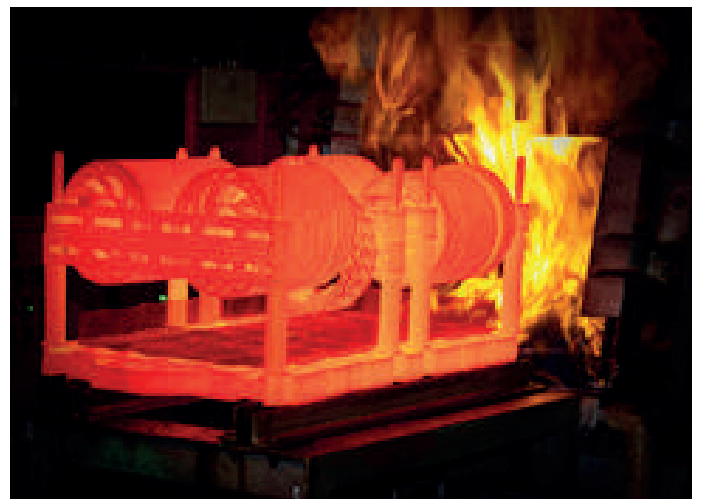
- PAG = Polyalkylene glycol
- PVP = Polyvinyl pyrrolidone

Our experts will advise you on adapting the concentration, temperature and agitation of the baths in order to eliminate cracking and stress distortion phenomena and resolving any other issues.



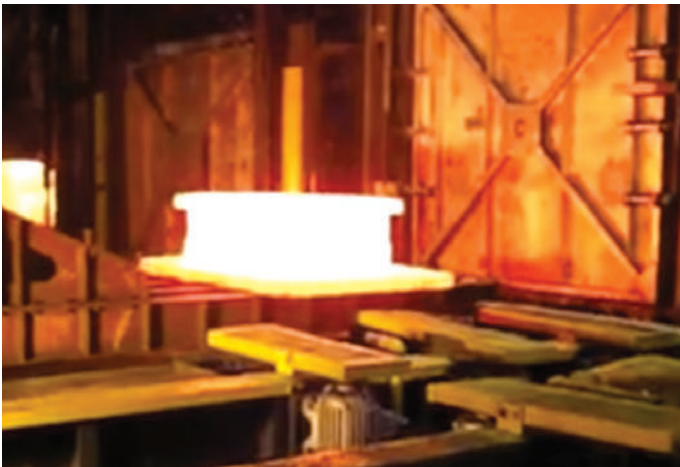
#### WAF OFFERS

- Strong resistance to oxidation
- High flash point to reduce fire hazards
- Environment-friendly products



#### WAF OFFERS

- Wide range of cooling properties and flexibility of quench speeds by changing the concentrations
- Elimination of the risk of fire and smoke
- Reduction in costs
- Reduced oxidation, providing longer lifespan
- After Polymer quenching, no cleaning is needed

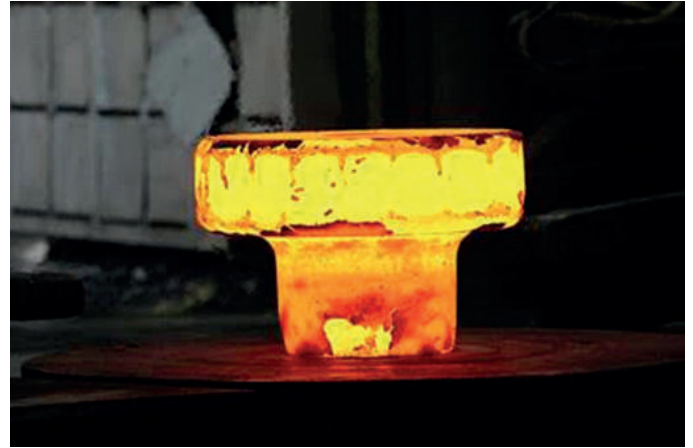


# FORGING LUBRICANTS

Individual, customized solutions are our strength. With our selected product range we can respond to every challenge. We analyse problems in minute detail to recognize the issue. Our experts are ready to tackle even the most complicated challenges.

## GRAPHITE LUBRICANT

WAF offers smokeless water-based graphite die release lubricant designed to meet the request of warm & hot forging industry. Our products are especially effective for precise part forging and highly automated facilities, which require graphite lubricants of premium quality.



### WAF OFFERS

- Graphite dispersion for a wide range of applications
- Very good wetting and adhesion of the lubricating film
- Combination of various types of graphite influences the metal flow during forming
- Recommended for precision forging, where perfect dimensional accuracy of the forgings is required
- No buildup in the engraving or on the tool frame



## SYNTHETIC LUBRICANT

It is graphite free synthetic water miscible warm & hot forging die lubricant. It can be sprayed or applied manually. Oil and graphite-free synthetic forging lubricants are used for relatively simple forgings and warm forging applications.

### WAF OFFERS

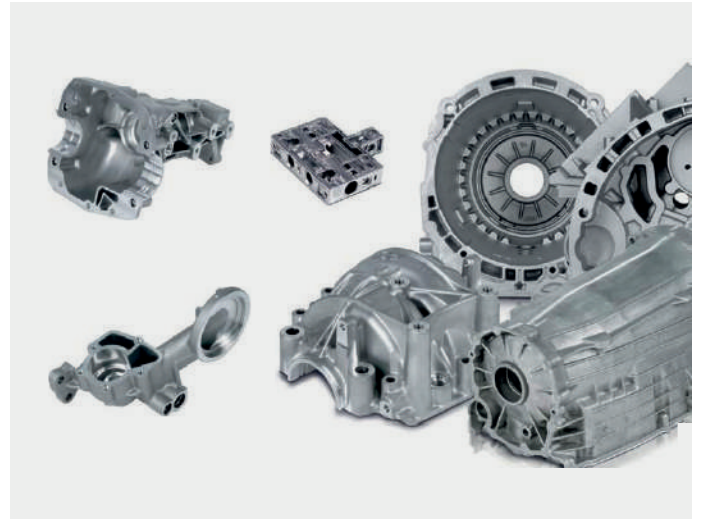
- Graphite-free
- During the forging process there is no odor nuisance caused by released organic propellants
- Good lubricating and separating effect even with complex forgings
- Increased cleanliness in production
- Usually no problems in downstream processes



# DIE LUBRICANTS

Enter the world of release agents and lubricants. Products with “quick and easy release” for pressure die casting. Individual, customised solutions are our strength. Manufacturing a wide range of products, we can cope with most challenges. We analyse problems down to the last detail, recognise the remit and can tackle even the most challenging problems.

- ▶ Our industry experts know the field of high pressure die casting, working side-by-side with our customers on their shop floors to understand their specific process parameters and challenges. We have developed innovative die lubricants that allow die casters to produce more parts in less time at higher quality and lower per piece cost.
- ▶ Our products can be used with variety of application equipment's including manual, stationary and automated systems.
- ▶ We deliver state-of-the-art die spray systems that ensure optimum die lubrication and long service life.



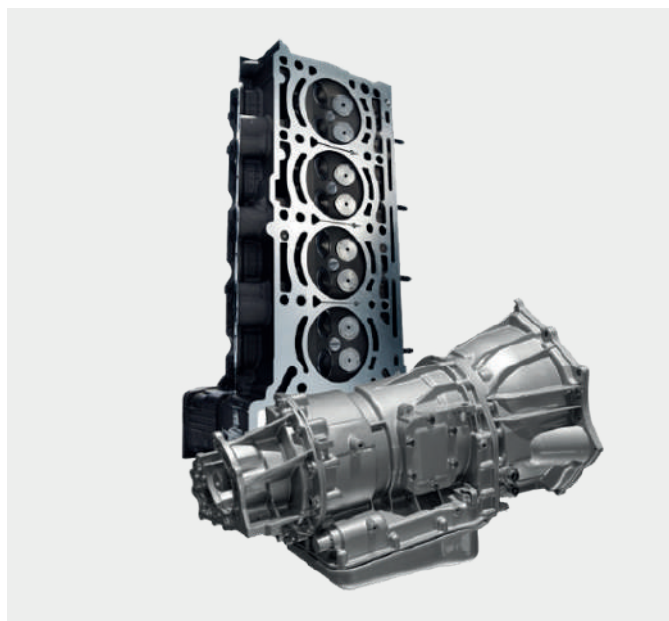
## OUR RANGE OF STANDARD PRODUCTS

### RELEASE AGENTS

- Waxfree
- Pigment-based
- Oil-based
- Paste-like

### PLUNGER LUBRICANTS

- Beads/ granules
- Oil-based



## WAF OFFERS

- Excellent wetting and lubrication properties
- Products offered are ideally suitable for conventional as well as micro-/minimal spraying
- Strong release power
- No build-up and bright castings
- Castings can be welded, painted and powder coated
- Clean dies and good die wetting properties
- No gas emission
- Reduces porosity and prevents metallization
- Forms a thin and homogenous lubricating film on the metal surfaces between plunger and shot sleeve



## WASHING CHEMICALS

WAF offers a range of high-performance industrial products for cleaning all types of process agents applied in cutting and non-cutting metal working operations. They are specially designed to achieve lower millipore values as per customer requirements.

For cleaning metallic surfaces for inline production, inter-stage & final cleaning, our extensive range of cleaners offers a wide selection, depending upon the operating temperature and pressure requirement of the application.

WAFs offer suitable aqueous and solvent-containing products for the various materials and cleaning processes involved in metal working.

### WAF OFFERS

- High degree of cleanability
- Lowered millipore values
- Residue-free surface finish
- Wide range of operating temperatures
- Low foaming tendency

### WATER SOLUBLE CLEANERS

It is neutral organic non nitrated & non silicate aqueous moderately foaming industrial cleaner, containing corrosion inhibitor for in process corrosion control. It can be used in spray & dunking application up to maximum 80°C bath temperature.



### SOLVENT BASED CLEANERS & EQUIPMENTS

It is a solvent-based, aroma-free cleaner for a broad range of applications in the engineering and electrical industries.

Solvent is a narrow fractional composition, does not contain aromatic compounds, having a weak smell. They are physiologically harmless, highly compatible and dry fast.



## RUST PREVENTIVE OIL

WAF provides a range of specially formulated rust preventive oils giving excellent protection in areas of high humidity and temperature. Dewatering, degreasing odourless rust preventive oils are available in a variety of grades, with varying film thickness for various end-use applications that match customer requirements. They are applied mainly by dipping, spray brush or circulation.

Rust preventive oils are applied to metals during a semi-finished or finished stage. They work by creating a protective coating around the metal, which prevents contact of the corrosive substance with the metal. Rust preventive oils are used to protect components previously exposed to water-containing machines, grinding coolants, cleaners or water rinses.



They are also used for the protection of metal parts and components stored indoor in humid conditions.

Rust protection oils contain corrosion inhibitors, which form a barrier film on the substrate surface. The inhibitors consist of polar molecules possessing water-repellent properties. The inhibitor molecules absorb the metal surface, forming a film protecting the part from the attack of oxygen, water and other chemically active substances.

### WAF OFFERS

- In-Process & Final Packing Rust Protection
- Dewatering Characteristics
- Non-hazardous, eco-friendly and environmentally safe
- Protection from rust during storage, both indoor as well as outdoor
- Easy to clean using common degreasers if necessary

## ALUMINIUM ROLLING

### HOT ROLLING

Lubro AL/H series formulation are specifically studied to allow:

- Reduced Friction & wear
- Stable Emulsion-Stable rolling conditions
- Protection from Corrosion
- High Antibacterial Polymer



### COLD ROLLING

Lubro AL/B & AL/F series for Aluminium cold rolling Additives used in Aluminium breakdown & Foil Mills. Lubritalia formulation are FDA & KOSHER approved. That Is there is use complaint for Food & Pharmaceutical applications.

- Reduced friction & wear
- Reduced surface defects & dishomogeneties
- No stain area after thermal treatments



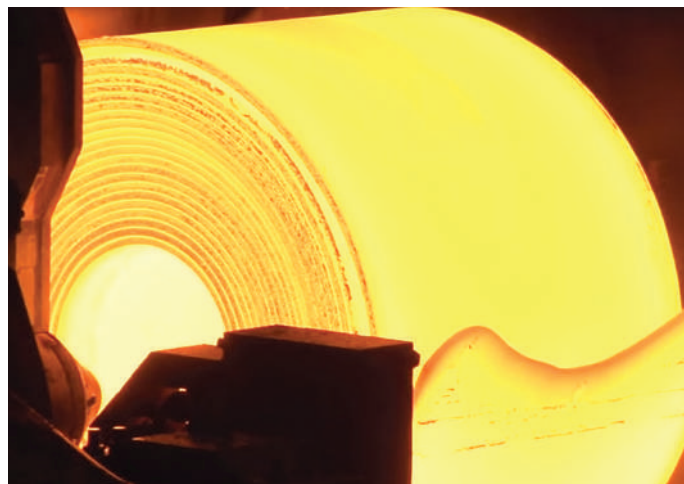
# STEEL ROLLING OIL

## HOT ROLLING

The Hot rolling process is demanding formulations that may provide benefits especially on the harder steel grades such as HSS or alloy steels. Lubritalia provides tailor made oils to provide such benefits.

### BENEFITS

- Reduced Roll Wear
- Reduced Energy Consumption Improved
- Surface Quality
- Consistent Money Savings



## PICKLING LINES

Lubro IB Series and Antiox Series Will Guarantee the following Benefits:

- Reduced Steel Consumption
- Reduced Acid Consumption
- Improved Surface Quality



## COLD ROLLING

Lubro DL Series Formulation are specifically studied to allow:

- Reduced Oil Consumption
- Improved Steel Cleanliness
- Reduced Forces and Loads
- Cleaner Housing and Floor



## PROTECTIVE OILS

Lubro DL Series Formulation are specifically studied to allow:

- Reduced Oil Consumption
- Improved Steel Cleanliness
- Reduced Forces and Loads
- Cleaner Housing and Floor





## COLD HEADING

Our products are used in warm forging, cold forming and thread rolling applications. Completely free of chlorine and sulphur, they can be used in ferrous, non-ferrous, aluminium and yellow metals. These products act as substitutes for the water-based emulsions used in cold forming equipment. These products are packed with additives to offer similar cooling to water without smoke and increased die life.



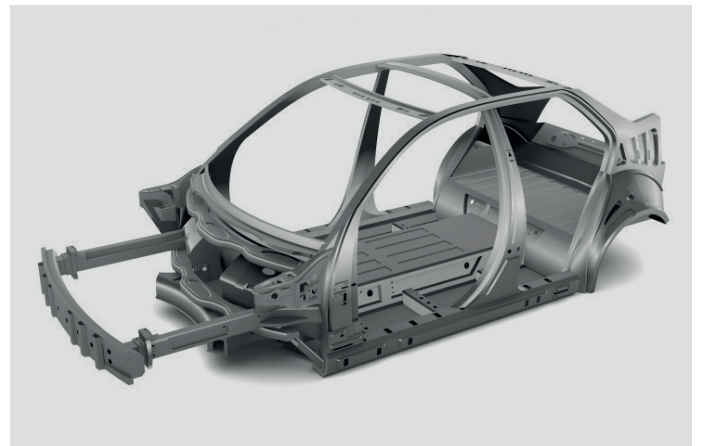
### WAF OFFERS

- Cold heading dual purpose coolants, chlorine free
- EP deep drawing high viscosity index compounds
- Chlorine-free deep drawing and stamping products

These lubricants prevent material build-up on and adhesive wear of the tools, allowing complicated shapes to form from even difficult materials. All common forming processes such as full forward, sideways or hollow reverse pressing can be managed with these lubricants.

## FORMING LUBRICANTS

Forming lubricants for automotive manufacturing present a special challenge. In addition to the forming performance, development has to meet various additional requirements: they have to be washable, compatible with the metal adhesives used, paint systems, different welding processes and many others.



### WAF OFFERS

- High forming performance
- Reduced film thickness and consumption
- Easy to wash off
- Compatible with cathodic dip coating and metal adhesives
- Weldable

## FIRE RESISTANT HYDRAULIC FLUIDS

Hydraulic equipment operating near heat sources such as molten metal, open flame under extreme heat conditions are prone to fire hazards. In such conditions, in order to provide safe working conditions, fire resistant hydraulic fluids are used as an alternative to combustible mineral-based hydraulic oils. This product is used for all hydraulic units, machines or plants operating in hazardous conditions, such



### WAF PRODUCT RANGE

Fire Resistant Hydraulic Fluid (HFC - Water Glycol)

Fire Resistant Hydraulic Fluid (HFD-U - Ester based)

as naked flames, high temperatures, or where there is a high risk of fire from potential leakage. WAF devotes considerable resources to develop formulations to reduce these risks.

### WAF OFFERS

- It has high viscosity index, oxidation stability, thermal stability and anti-corrosion protection

### APPLICATION

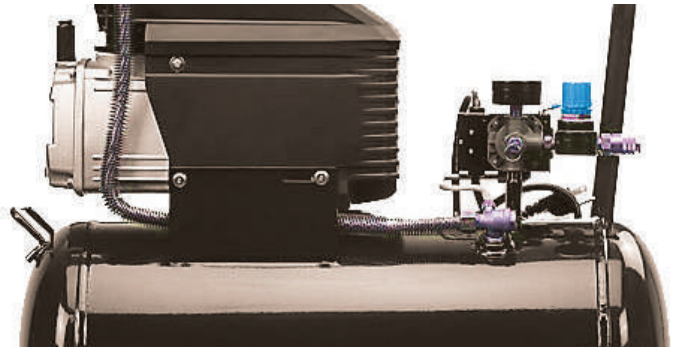
- Steel & Aluminum manufacturing
- Die casting

## AIR COMPRESSOR OIL

Compressor Oil has been formulated from highly refined paraffinic base oils and high performance additives to provide outstanding lubrication in a variety of rotary and reciprocating air compressors. All ISO viscosity grades are formulated with outstanding oxidation performance, wear protection, resistance to rust and corrosion, rapid water separation and foam control.

### WAF OFFERS

- Outstanding resistance to oxidation and thermal degradation
- Excellent rust and corrosion protection
- Provides anti-wear protection
- Rapid release of foam and air release control
- Oil with lower pour point upto -250°C



Compressor Oil is designed to provide long service life in most compressor applications. The thermal stability and oxidation resistance of these fluids can help to maintain cleaner compressors, thereby enabling longer running periods between scheduled maintenance and oil changes.

The outstanding anti-wear and corrosion protection are designed to enhance equipment life, while reducing maintenance requirements.

## INDUSTRIAL PAINTS & COATINGS

An industrial coating or paint is typically defined by its protective, rather than its esthetic properties, most industrial coatings are 'protective', i.e., they are used for corrosion control of steel or concrete, but this is a complex market segment with numerous different areas.

We are also one of the leading industrial coatings manufacturers providing customized painting services.



### WAF PRODUCT RANGE

- |  |                                       |
|--|---------------------------------------|
| • Anticorrosive Paints                   | • Heat Resistant Paints 250°C – 500°C |
| • Epoxy Paints Two Pack/Single Pack      | • Aluminum Paints, Paste & Medium     |
| • Chlorinated Rubber Paints              | • Polyurethane Lacquer                |
| • Polyurethane Paints & Primers two Pack | • Casting Sealer                      |
| • High Build Epoxy Paints & Primers      | • Pipe Coating Lacquer – Black/Clear  |
| • Red Oxide Primers                      | • Itch Primer for Aluminum Coatings   |
| • Red Oxide Zinc Chromate Primers        | • Coal Tar Epoxy Paints               |
| • Synthetic Enamel Paints                | • High Build Black Bituminous Paints  |
| • Q. D. Enamel Paints                    | • Thinner                             |

\* We also formulate customized and tailor-made industrial paints and coatings suitable for various applications.

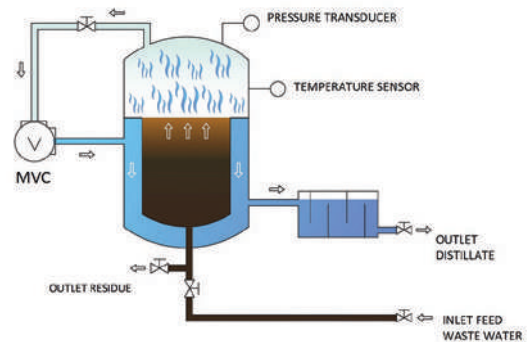
## CUTTING EDGE ZERO LIQUID DISCHARGE SYSTEM

Do you produce environmentally hazardous process water in your manufacturing unit? Do you spend a lot for hauling and ensuring safety disposal of the toxic wastewater?

If you do, then it's time you start using Our Zero Liquid Discharge System, the most effective and eco-friendly method for treating industrial process water.



A cutting-edge Zero Liquid Discharge System turns industrial process water into clear, fresh, distilled water that could be re-used in the industrial process in a fast, cost-effective, and eco-friendly manner.



### WAF OFFERS

- Unique patented technology
- Treats the process water within the plant
- Ensures zero liquid discharge
- Save on wastewater hauling costs, meeting the stringent ZLD norms

## WATER TREATMENT SOLUTIONS

### WAF OFFERS

- Water softeners
- Dealkaliser
- Capacitive Deionisation (CDI)
- Continuous Electro Deionisation System
- Two Bed Demineralisers (DM)
- Mixed Bed Demineralisers (MB)
- Reverse Osmosis Plant



## WASTE WATER TREATMENT



### WAF OFFERS

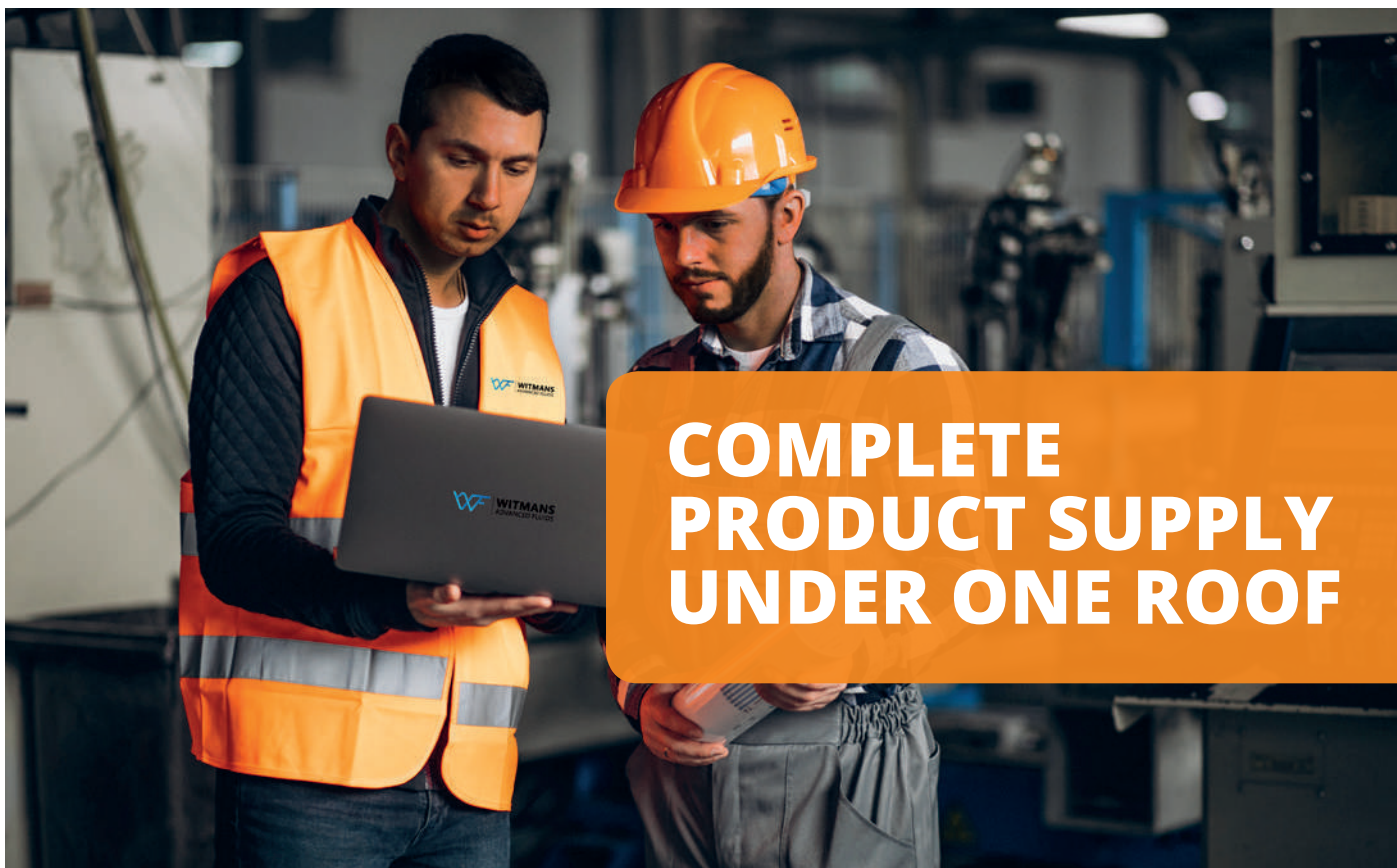
- Effluent Treatment Plants
- Sewage Treatment Plants

We at WAF are determined to provide the right solutions at the right cost. WAF offers effluent treatment systems for various types of industries.

Our experience in dealing with diverse industries makes it possible to offer techno-economically optimum solution for treating industrial waste water. Among the major industries we serve are automobile, engineering and chemical industries.

In consultation with carefully selected technological partners, we proudly offer the latest in treatment technologies to protect our environment. Some of the solutions we have provided to our customers are unique and one of the kind in the industry.





#### CUSTOMIZED SOLUTIONS



Innovations start with Ideas. New Ideas grow where creative thinking is encouraged. This principle has priority at WAF. Our Experienced application and product development team continuously work with your team in understanding your challenges and expectations and accordingly we make sure that the chemistry is right to fit perfectly to your purpose and condition to deliver your expectations.

#### CONVENTIONAL, SYNTHETIC, SEMI SYNTHETIC, BIO-DEGRADABLE.



The majority of Lubricants in the market are based on Mineral Oil. Most of the Synthetic Base Oils also have their origin in the Crude Oil Chemistry. The Reserves of Crude – oil are, however, limited. WAF JV with OEST Germany enable to introduce OEST modern and future – proof products –utilizing all available resources. Environmental Compatibility has always been important consideration

#### CONCEPTS FOR ENVIRONMENTAL COMPATIBILITY



The topic of Climate protection is currently of special significance. WAF makes an important contribution here as well: Lubricants based on renewable raw materials with counter balanced Co2 account are available for variety of applications – from industry down to small equipment lubrication at the end user. In Every Instance, excellent performance at reasonable price guarantees economical use.

## FIND OUT HOW WAF CAN BE YOUR AGILE PARTNER IN **TOTAL MANUFACTURING PROCESS**



**CALL US  
TODAY**



**1800 266 8326**

[info@wafpl.com](mailto:info@wafpl.com) | [www.wafindia.com](http://www.wafindia.com)

# INNOVATIVE COOLANTS WHICH CAN SAVE YOUR COSTS!



## COOLANTS

COLOMETA S

Fully synthetic grinding solutions

COLOMETA PA

High-performance emulsions

COLOMETA BF

Boron-free coolants

LUBRO EMUL

High-performance bio-stable fluids

## MEBA

MEBA

Cutting oils for general machining

MEBA G

Grinding oils

MEBA SP

Spray mist lubricants for MQL

MEBA GTL

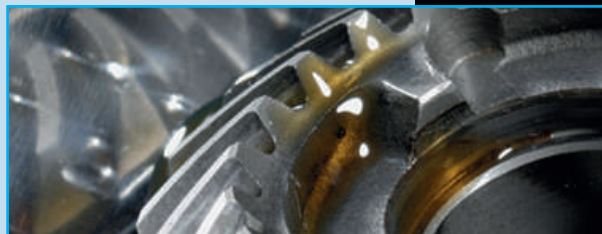
Gas to liquid technology

## SYSTEM SUPPLIER

Machine lubricants, cleaners and  
corrosion protection

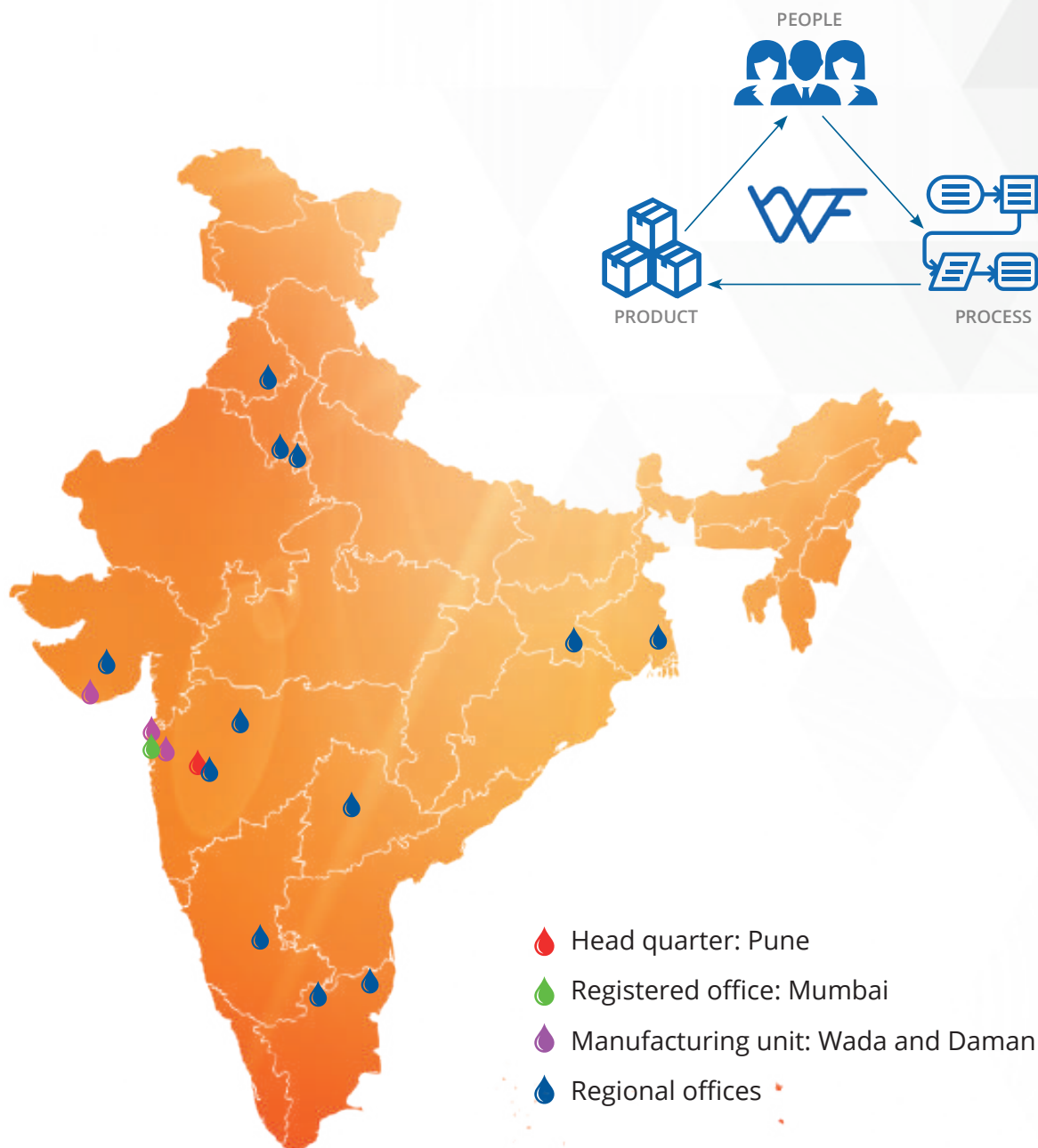
Monitoring and service

Total fluid management





# CUSTOMER CONNECT



## WITMANS ADVANCED FLUIDS PRIVATE LIMITED



Nyati Emporium, S. No. 105, 5th Floor, Office No. 510  
Bangalore-Mumbai Highway, Baner  
Pune- 411045, Maharashtra



+91 9766539310 | +91 9830755528 | Toll Free No.: 18002668326



info@wafpl.com



www.wafindia.com