

GRODAL

A Metal working fluid specialist

SPECIALTY INDUSTRIAL LUBRICANTS

COOLANT | REMOVAL FLUIDS

HEAT TREATING FLUIDS

PROTECTION FLUIDS

FORMING FLUIDS



TRUST THE LEADER IN SURFACE FINISHING

PRODUCT PORTFOLIO:

Sustainable solution for all metal working needs.

The metalworking industry covers a great variety of processes for the fabrication of metal parts. GRODAL Lubricants offers a full range of oils for all your applications to optimise machining performance and prolong the service life of your tools.

Quality machining and finish
Smaller cutting forces
Compliance with regulations

Lower level of rejects
Longer tool life
Safety user comfort

Less fluid consumption
Lower energy consumption
Environmental friendly

COOLANT | REMOVAL FLUIDS

CUTTING FLUID:

Basic function of coolant is to reduce friction between tool and work piece, as well as to reduce and dissipate heat in the machining area. Grodal offers complete range based upon the application, Composition, metal & operating conditions as follows:

Based on application :

- Neat or Straight – GRODAT STCUT series
- Soluble (Water emulsifiable) – GRODAL CUTSOL series

Based on composition :

- Mineral, Semi synthetics & Fully synthetic.

Grinding Oil : GRODAL GRIND series specially designed grinding & machining metal & glass.

Honing Oil : GRODAL HONE series Specially designed for Honing & super finishing



PROTECTION FLUIDS

RUST PREVENTIVE OIL:

It is used to protect components previously exposed to water containing machines and grinding coolants, cleaners or water rinses, stored indoor in humid conditions. Grodal offers complete range based upon the application, Composition, metal & operating conditions as follows:

Solvent based : **GRODAL RPSB** series

Oil Based : **GRODAL RPOB** series

Water emulsifiable based : **GRODAL RPWB** series



FORMING FLUIDS

DRAWING OIL :

Based on the nature of application, drawing ratio – Fine, Intermediate, RBD & type of metal, GRODAL offers complete range of custom formulated specialty categories as follows:

- Deep Drawing • Copper tube drawing • Aluminum wire drawing
- MS/SS wire drawing • Copper wire drawing

For other standard forming fluids, offered in the range based upon the metal working operations are as follows:

Stamping oil • Vanishing oil • Blanking oil • Rolling oil



TREATING FLUIDS

QUENCHING OIL | HEAT TRANSFER FLUIDS:

Grodal offers the complete range of products for tempering or heat transfer applications based upon the metal, rate of cooling, hardening conditions etc.,

- GRODAL Thermquench series • GRODAL Polyquench series (Water based)
- GRODAL HT series



General Industrial oils offered by GRODAL for other lubricating applications are as follows:

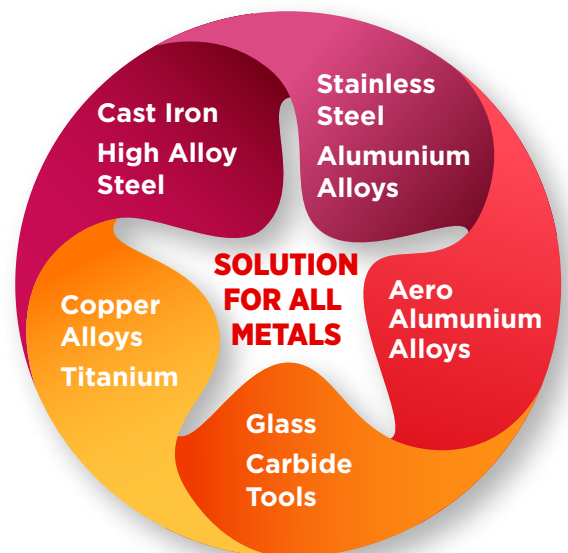
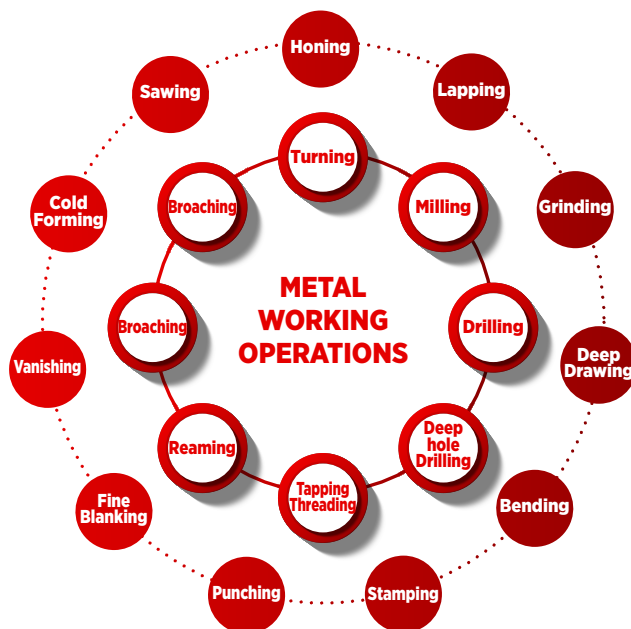
High performance Hydraulic oils • Industrial Gear oils • Vacuum pump oils
• Textile Spindle oils • Way Slide oils • EDM oil • High Temp. Chain oil • Gen. Machinery oil
Other custom Industrial Lubricants.

EXPERTISE ON METALLURGY – MACHINING – MWF

Metalworking companies face challenges today as never before. Under increasing pressure to reduce costs and environmental impact, they are also dealing with new highly engineered materials, creating new requirements in manufacturing processes and metalworking fluids. At this critical point in time, we are the long-term partner for manufacturers seeking to anticipate-and overcome-these challenges. We are committed to

offering innovative solutions to help our metalworking customers run more efficiently today and reap the opportunities of the future. GRODAL offers unique solutions that optimize performance for various metal working operations & materials.

Our expert engineers shall assist you to choose the right product for right application to give high performance & optimum cost benefits.



FROM INNOVATION TO IMPACT

- R&D recognized by the Indian Council of Science and Technology since 1977
- Extensive R&D center, enhanced with a full-scale pilot plant and state of art testing facilities extended to product performance & application testing
- Green technologies and backward integration
- Tailor made innovations of Industry firsts to our credit
- Around 70+ Highly qualified, experienced & talented pool of Research & Quality professionals
- Storage & handling guidance

CORPORATE PROFILE:

Grauer & Weil (India) Limited (also known as Growel) was established in 1957, a market leader and specialist in providing turnkey solutions and an integrated one point solution provider for all surface treatment needs viz., Industrial & specialty metal working lubricants, Electroplating chemicals, High performance paints, Engineering plants & equipment including Effluent Treatment & Waste Recovery Systems.

Growel entered into Technical collaboration with European technology to offer a wide range of specialized lubricants and oils for varied industrial applications, manufactured in India and marketed under the brand name 'GRODAL'.

VISION:

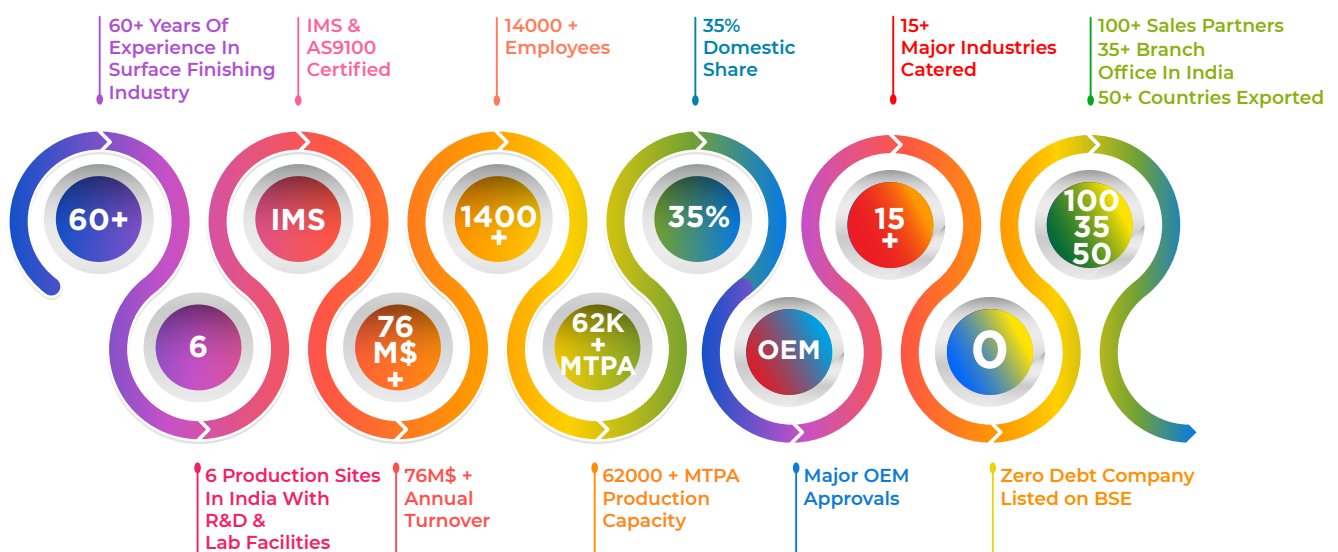
To be in top 2 in all our businesses on the strength of our people and values.

MISSION:

To be a predominant global player in the field of Surface finishing which invokes pride in all our stakeholders through Innovation, Customer centricity, Fair trade practices, Integrity, Sustainability and Care for our planet.

CORE VALUES:

- Build to last • Responsible
- Company in Motion • Relationship Quality



Tool Manufacturing
Auto components
Aerospace
Aluminum
Steel
Glass



Automotive & Heavy Equipment
General Manufacturing
Wire & Cables
Tube & Pipe
Die Casting
Bearings

STATE OF ART MANUFACTURING:

West India: Dadra & Nagar Haveli - Plating Chemicals & Paints,
Vapi - Chemical Intermediates, Paints & Lubes, Alandi - Engineering
North India: Barotiwala - Lubes & Paints, Jammu - Plating Chemicals



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CHEMICALS | ENGINEERING | PAINTS | LUBE | REAL ESTATE