

# GRODAL

A Metal working fluid specialist



**NEXT GENERATION TECHNOLOGY LUBRICANT**



**SPECIALTY  
INDUSTRIAL  
LUBRICANTS**



**CUTTING  
FLUIDS**



**QUENCHING OIL  
(POLYMER/OIL)**



**RUST  
PREVENTIVE  
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:**

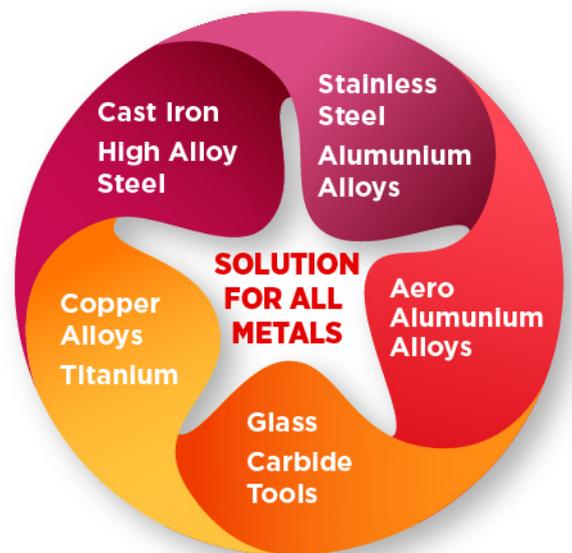
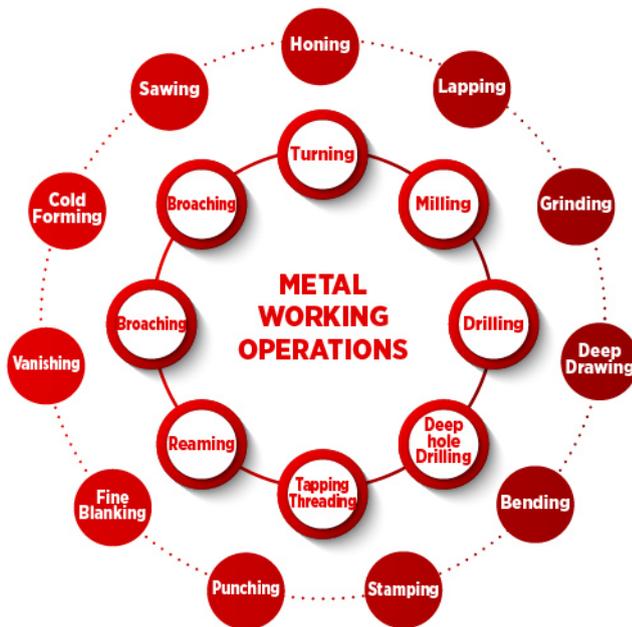
- High performance Hydraulic oils
  - Industrial Gear oils
  - Vacuum pump oils
  - Textile Spindle oils
  - Way Slide oils
  - EDM oil
  - High Temp. Chain oil
  - Gen. Machinery oil
- Other custom Industrial Lubricants.

**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:

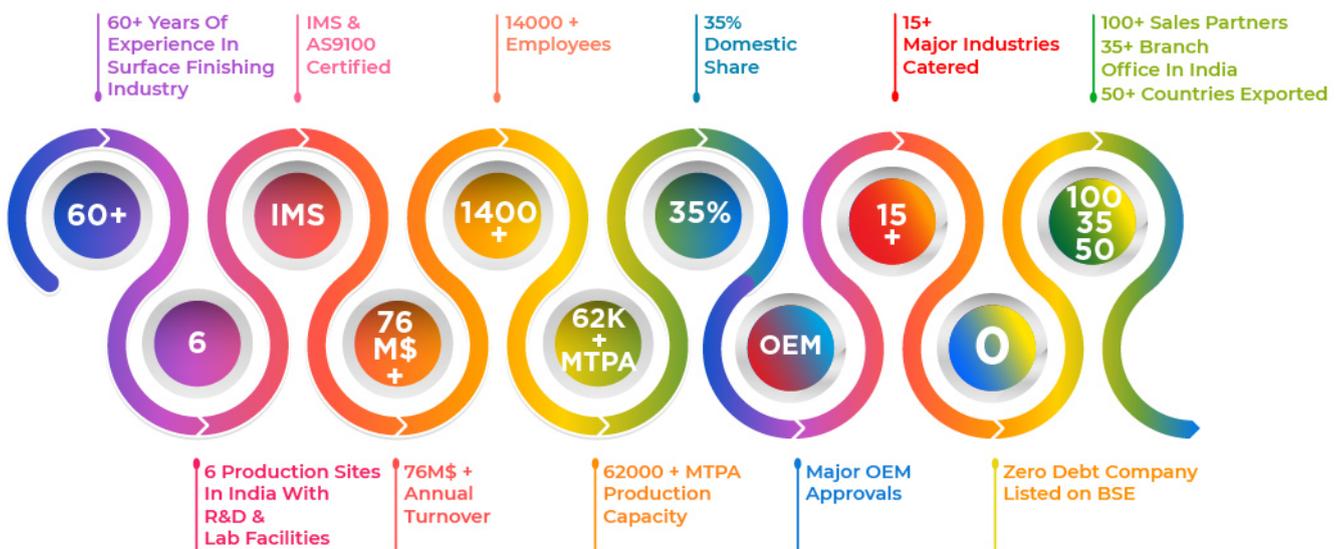
To be in top 2 in all our businesses on the strength of our people and values.

### 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