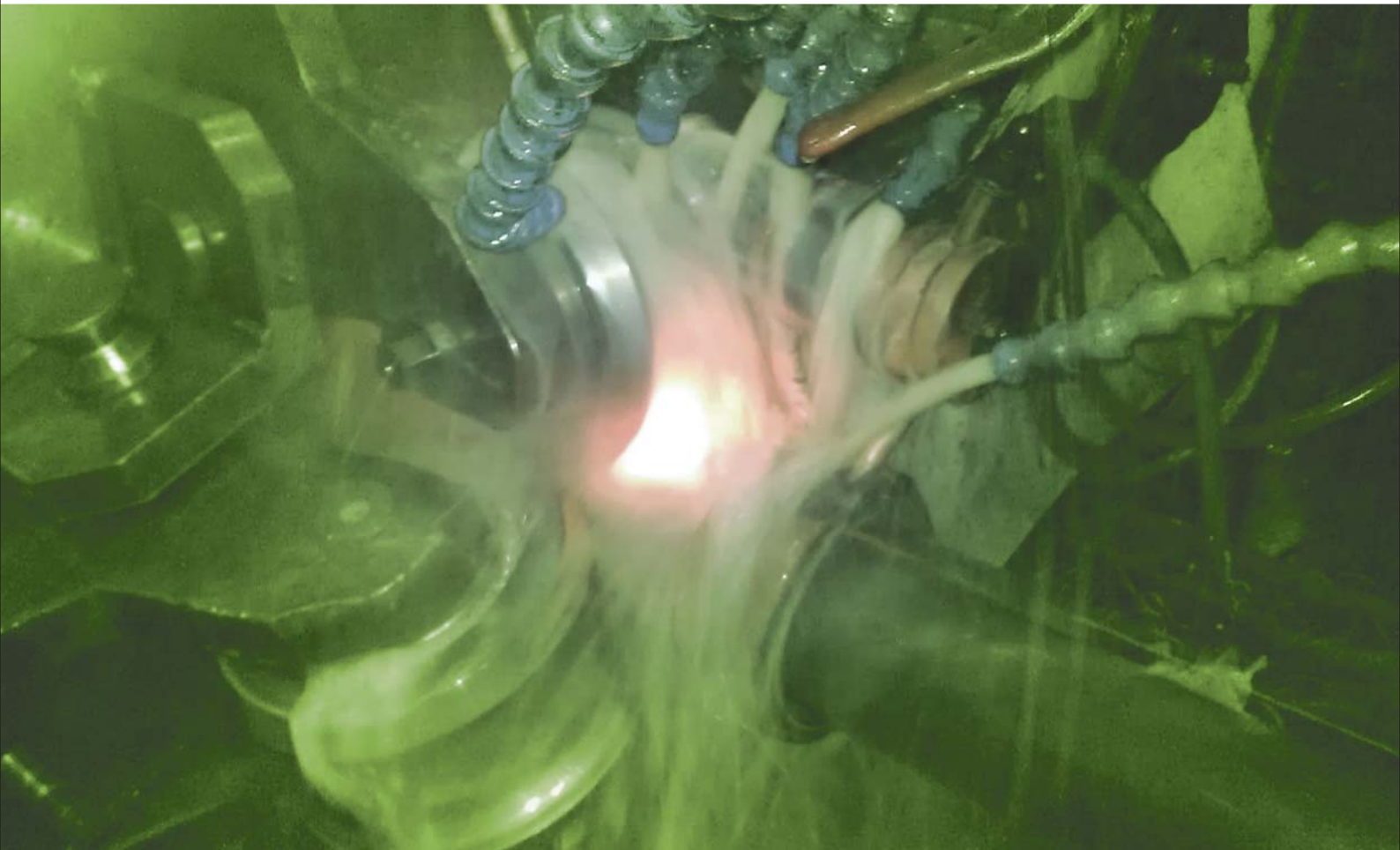


LUBRICANTS
FOR TUBE
PRODUCTION



BELGIN



Member of:



BELGiN provides for the usage of various industries a wide product portfolio over 1000 different products under 32 main groups ranging from metal working fluids, greases, corrosion preventive and engine oils to specific industrial lubricants.

BELGiN produces its products in its modern plant, which operates under SGS ISO 9001-TSE ISO 9001 quality system certificate and laboratory certificate in the scope of TS EN ISO/ IEC 17025 standard. This plant boasts a production with the state-of-the-art technology as well as fully automatic, computer controlled operations, founded on 7800 m² closed area within 25000 m² open area at the Gebze Organized Industrial Site.

RENOL, GENERAX, BORTEX, GRESON, CUTTEX and CORES products produced at world standards , are used successfully in linearly welded pipe production industry and in other various industries.

With its sectoral experience and awareness, **BELGiN** provides its customers best quality products for tube production industry with its technical support after sale.



METAL WORKING FLUIDS

RENOL branded fully synthetic metalworking fluids designed especially for grinding operations, they are formulated with a well-balanced additive content which consist of chemicals to increase operation performance, strong emulsifiers and corrosion, foam and microorganism preventive chemicals.

GENERAX and **BORTEX** branded conventional and semi-synthetic metalworking fluids are produced to meet all the challenging demands of the metal machining industry. They are formulated with high quality base oils, emulsifiers and additives.

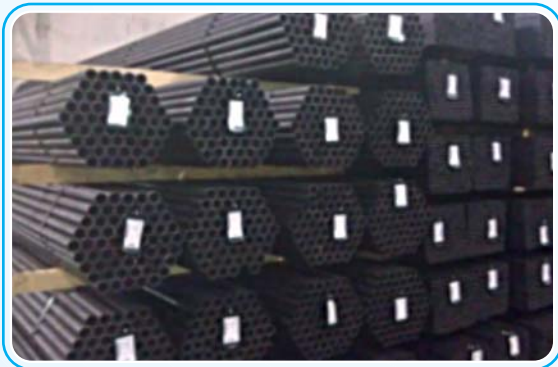


GREASES

GRESON greases are produced under 8 main groups as calcium, sodium, lithium, lithium complex, calcium complex, bentonite, polyurea and silica greases, at different consistencies and performance levels, to meet the entire requirements of the industry. With the anti-wear, EP and antioxidant additives; **GRESON** greases ensure industrial machinery operates reliably and provide the protection across a wide range of conditions.

NEAT CUTTING OILS

CUTTEX branded metalworking oils are produced to meet all the challenging demands of the metal machining industry. **CUTTEX** series are comprised of best quality base oils and additives to give maximum level of performance in neat cutting oil applications. With the anti-wear and EP additives, they can be used in machining for hard and alloy metals. **CUTTEX** series; maximize tool life and ensure high quality surface finish, so they reduce maintenance costs and increase productivity.



CORROSION PREVENTIVE OILS

CORES corrosion preventive oils, produced at worldwide standards, are used successfully in primarily steel-iron manufacturing industry, also in automotive and spare part production industries for intermediate storage and finished materials protection and also in other various industrial sectors. **CORES** series are designed with taking into account all the conditions encountered during usage, besides our knowledge and experience about temporary coating, corrosion and protection against corrosion.



METAL WORKING FLUIDS USED AT WELDED TUBE PRODUCTION

BORTEX 2000-BORTEX 2000M are semi-synthetic, biostable metalworking fluids with very stable semi-transparent emulsion appearance. They are formulated with well-balanced additive contents which consist of high quality mineral based oils, emulsifiers and corrosion, foam and microorganism preventive chemicals. They build lubricating films resistant to high pressures and loads for all kind of operations of ferrous metals. They are successfully used in operations, such as machining, grinding, pipe and tube industry in which especially effective corrosion prevention and washout characteristics are required.



GENERAX 2000 SERIES-GENERAX 85 T are semi-synthetic metalworking fluids that make transparent emulsions with water. They can be used successfully in grinding processes and in cutting operations without extreme loads and in linearly welded tube production sector. They have also very good detergent power, helping both the machine and material surfaces to be clean. They prevent bacteria, fungi and yeast formation due to their additives and don't irritate the skin thanks to their regulated pH levels.

METAL WORKING FLUIDS USED AT WELDED TUBE PRODUCTION

RENOL SF 3/B-RENOL SF 5 are fully synthetic grinding fluids, which are form transparent florescent emulsions with water. Due to their colorless, transparent emulsions, they provide ease of seeing the tools and machined parts during grinding operations without any problems. They also increases lifetime of grinding wheel and grinding period by preventing the hone formation in pores of grinding wheels. They have very good corrosion protection properties. Additionally, they keep the machined surface and emulsion clean by transporting the chips to the emulsion tank. They are highly resistant to bacterial and yeast growth and don't irritate the skin thanks to their regulated pH level.



GREASES USED AT WELDED TUBE PRODUCTION

GRESON LIT EP SERIES are lithium soap greases blended with mineral oils and enriched with extreme pressure additives. They are long-life multipurpose industrial greases, that are resistant to water, corrosion, rust and oxidation. They are used in high loading bearings, vertical shaft applications, electrical motors and also in automotive applications. The recommended operating temperature range is from -20°C to 130°C.



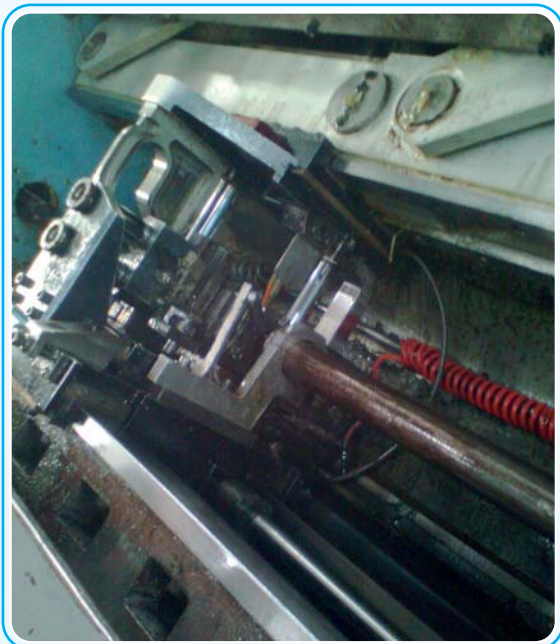
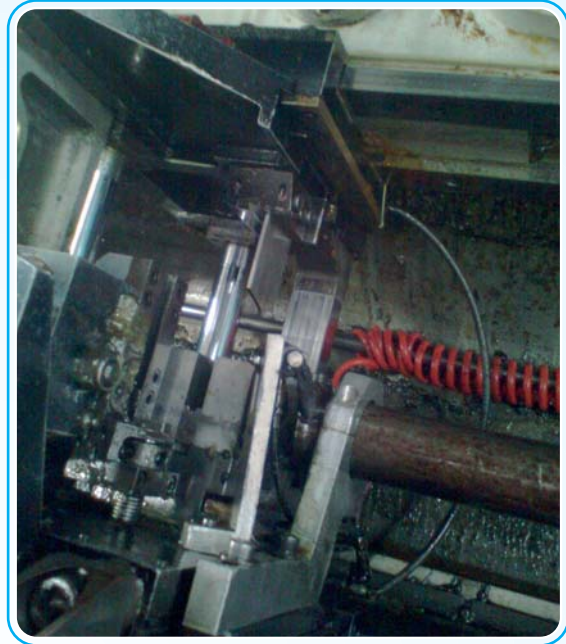
GREASES USED AT WELDED TUBE PRODUCTION

GRESON LK SERIES are lithium complex soap based, high performance long-life greases containing EP additives. These greases provide excellent protection against water, oxidation, rust and corrosion and they are superior to calcium based and lithium based greases, because of its excellent mechanical stability and high temperature endurance. The recommended operating temperature range is from -20°C to 180°C .



GRESON GEP 72 is a special new technology grease, based on lithium-calcium complex thickeners. It contains antioxidants and anticorrosion additives. It has excellent anti-wear and extreme pressure properties due to the bismuth additive technology and can carry heavy loads under difficult conditions. It is water-resistant because of its thickener structure, can maintain its structure and has adhesion even at severe water flush. The recommended operating temperature range is from -20°C to 200°C .

CUTTEX GBS is a high performance metal working oil which is blending highly refined base oils with high performance additives like anti-wear and extreme pressure. It has a high additive ratio and low oil mist. It is used in machining for high-alloy and alloy steels. It is used with success in the most difficult operations such as broaching, threading and cut-off operation for pipe production industry.



CUTTEX 32-R is a high performance metal working oil which is blending highly refined base oils with high performance additives like anti-wear and extreme pressure. It preserves cutting tool against wear, providing creation of the solid layer on the upper surface due to its special additive technology. . It is used with success in the most difficult operations such as rubbing, drilling, milling and cut-off operation for pipe production industry.

CORROSION PREVENTIVE OILS USED AT WELDED TUBE PRODUCTION

CORES DF/5-CORES DF/10 are dewatering corrosion preventive oils used for the protection of the packed pipes and small pieces, the intermediate storage of the pieces which are wet-processed during galvanize operations and the protection of pieces during installation and production. They penetrate between the water on the surface and the metal piece and form a very thin oil film layer. They provide an economical solution due to low consumption.

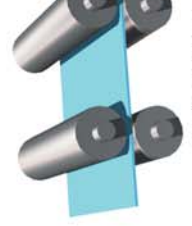


CORES DW-CORES DW/2 are special, solvent-based corrosion preventive oils with dewatering properties. They form a very thin waxy film layer which don't stick on the hands and can be easily removed by aqueous alkaline cleaning agents. They are used especially in the steel tube production industry.

CORES FO and FO-1 oils are dewatering corrosion preventive oils used for the protection of the wrapped small pieces and the pieces which are wet-processed during galvanizing operations.



ROLL UNFOLDING



FLATTENING



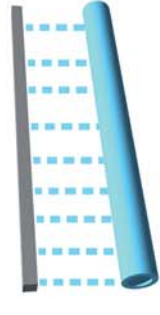
BAND SLITTING



STRAIGHTENER

BORTEX 2000
GENERAX 2000 M
BORTEX 2000 T
RENOL SF 3B
RENOL SF5

HIGH FREQUENCY INDUCTION



COOLING



CALIBRATION



FORMING

GRESON LK 2
GRESON LIT EP 22

WELDING ROLLS

GRESON GEP 72

SCRAPPING



SIZING

CORES DF 5
CORES DF 10
CORES DF 1
CORES FO

STORAGE - SHIPPING



LENGTH AND WEIGHT MEASURING



DEMAGNETIZATION



LENGTH CUTTING TURNING SAW

SAME LUBRICANTS THAT ARE USED AT INDUCTION PROCESS

STRAIGHTENING

CUT OFF

CUTTEX 32 R
CUTTEX GBS
WAYLUB



AUTOMATIC HYDROSTATIC TEST

BORTEX 2000 M
GENERAX 2000

LENGTH AND WEIGHT MEASURING



PRODUCT RANGE

- GRINDING FLUIDS
- WATERSOLUBLE METALWORKING FLUIDS
- HYDRAULIC OILS
- GREASES
- NEAT CUTTING OILS
- HONING OILS
- QUENCHING OILS AND FLUIDS
- HEAT TRANSFER OILS
- CIRCULATION AND LUBRICATION OILS
- CORROSION PREVENTITIVE OILS
- NEAT FORMING AND DEEPDRAWING LUBRICANTS
- SOLUBLE FORMING AND DEEPDRAWING LUBRICANTS
- SLIDEWAY LUBRICANTS
- INDUSTRIAL GEAR LUBRICANTS
- OPENGEAR LUBRICANTS
- HOTFORMING AND FORGING LUBRICANTS
- VARIOUS LUBRICANTS
- CLEANERS
- MOTOR OILS
- TRANSMISSION OILS
- PROSES OILS
- TEXTILE LUBRICANTS
- BIOCIDES
- ELECTRO EROSION FLUIDS
- INJECTOR ADJUSTMENT FLUIDS
- SHOCKABSORBER OILS
- MOULD RELEASE LUBRICANTS
- COMPRESSOR LUBRICANTS
- MARINE OILS
- COMPLEMENTARY AUTOMOTIVE PRODUCTS
- CHAIN OILS



BELGIN MADENİ YAĞLAR TİC. ve SAN. A.Ş.

Gebze Organize Sanayi Bölgesi (GOSB), İhsan Dede Cad. No: 125, P.K. 1003, 41480 Gebze - Kocaeli - TÜRKİYE
Tel: +90 262 751 02 92 PBX - 751 01 90 Faks: +90 262 751 01 98 - 751 06 67
e-mail: info@belginoil.com www.belginoil.com

