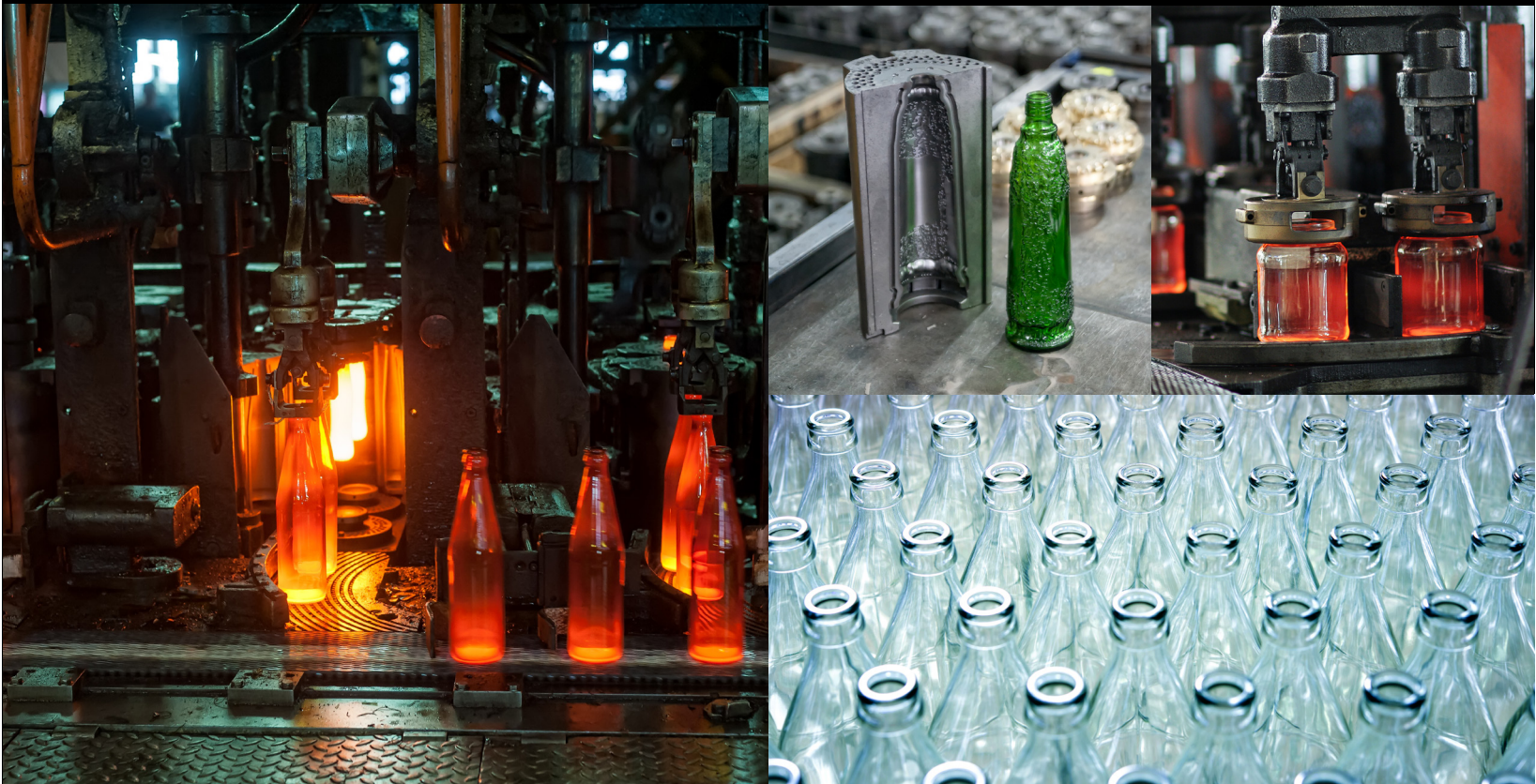


MOLYSLIP[®]

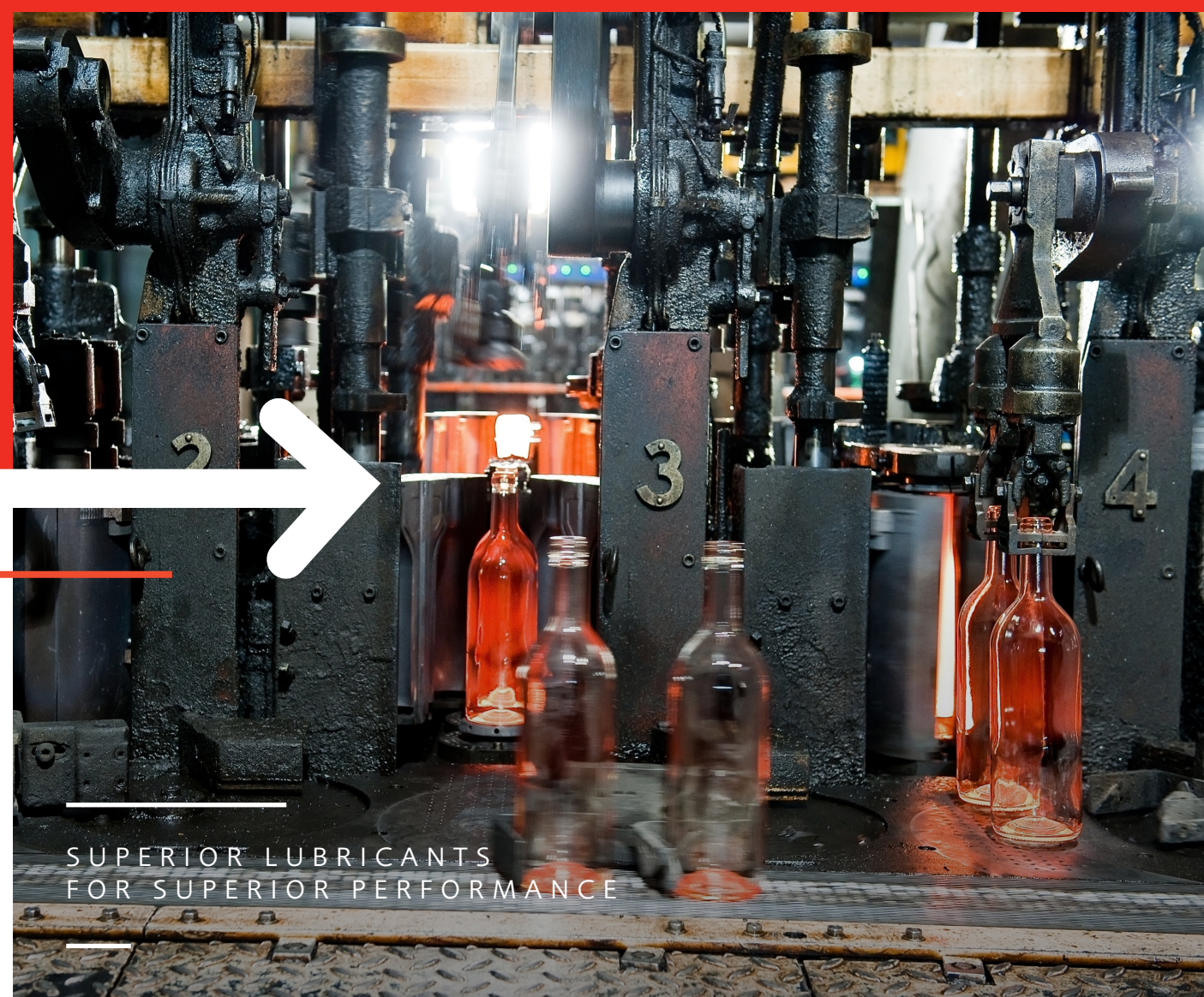
Leading the way in glass lubricant technology



SUPERIOR LUBRICANTS FOR SUPERIOR PERFORMANCE



Molyslip® is an independent, UK-based developer and manufacturer of specialist industrial lubricants. Operating for over 80 years, and exporting to over 60 countries world-wide, Molyslip has a long-standing history of delivering world-class service and superior-performance products.



SUPERIOR LUBRICANTS
FOR SUPERIOR PERFORMANCE



PRE-COATS

Thin dry film coatings for blank and finish moulds to ensure excellent gob loading and optimised production efficiency.

SHEAR SPRAY LUBRICANTS

The Glasstek shear spray lubricants are designed to extend shear blade life, improve shear cut performance, provide corrosion protection, and reduce shear marks whilst optimising delivery efficiency.

DELIVERY LUBRICANTS

Also known as "scoop oils" and "gob accelerator" lubricants, the Glasstek range of wet and dry delivery lubricants are specially developed to reduce friction, improve cleanliness and ensure consistent delivery of the gob to the mould.

TRANSFER COATING

Formulated specifically to prevent product damage and reduce thermal shock, the Glasstek range of transfer coatings optimise production and ensure bottle consistency.

IS MACHINE LUBRICANTS

The Glasstek range of IS machine lubricants has been developed to withstand the extreme temperatures found in glass manufacturing operations ensuring consistent lubrication, protecting against corrosion and wear whilst minimising carbon build-up.

SPECIALITY APPLICATION LUBRICANTS

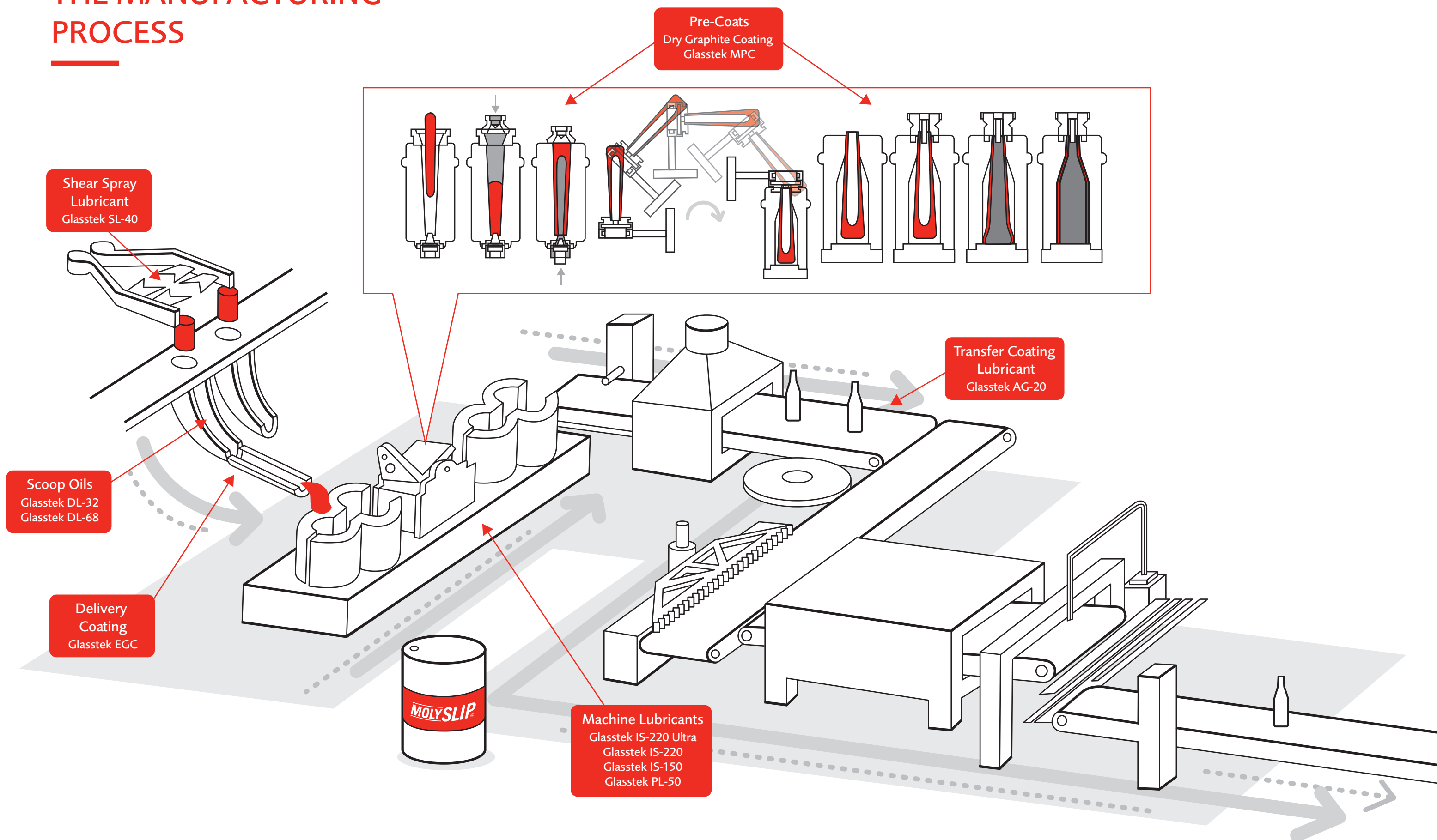
To compliment the extensive hot-end range of lubricants for the glass manufacturing industry, Molyslip offers a full range of speciality high performance lubricants developed to extend the life and maintenance intervals of all other key equipment in the glass manufacturing process.

The manufacturing of glass containers presents some of the most severe challenges to both the machines and lubricants used in their production. Molyslip Glasstek is a comprehensive range of high-performance lubricants formulated for the glass container manufacturing industry. Each product is developed to address the specific requirements of glass industry applications and is designed to increase efficiency and optimise machine performance.

The Molyslip Glasstek range of hot-end lubricants specially formulated products for the IS machine, gob shear and distribution systems, delivery equipment, blank and finishing moulds and conveyors. In addition to the industry proven Molyslip maintenance ranges, we offer a comprehensive lubrication package to the modern-day glass manufacturer.

At Molyslip, science remains at the heart of our success and our purpose-built, state-of-the-art laboratories meet all the requirements for a 21st century lubricant developer, allowing us to produce premium products that repeatedly outperform the competition.

THE MANUFACTURING PROCESS



Pre-coats

Product Name	Description	Application
Dry Graphite Spray	Aerosol Spray. Resin bonded graphite blank mould pre-treatment.	Highly effective dry film release agent designed to provide consistency during machine set-up.
Glasstek MPC	Resin bonded graphite blank mould pre-treatment.	Highly effective dry film release agent designed to provide consistency during machine set-up.

Delivery Lubricants

Product Name	Description	Base Oil	Application
Glasstek EGC	2-Pack dispersion of graphite in high temperature epoxy resin.	Epoxy resin.	Highly resilient low friction chute & deflector coating reduces thermal shock and aids gob delivery/loading.
Glasstek DL-NF	Non-flammable water based delivery lubricant.	Synthetic.	Spray or drip feed scoop lubricant. Optimum application rate to specific job.

Shear Spray Lubricants

Product Name	Description	Dilution Ratio	Base Oil	Water Quality
Glasstek SL-40	Premium shear spray lubricant product.	Up to 1500:1 depending on gob weight.	Biodegradable natural oil.	Softened water recommended.

Scoop Oils

Product Name	Description	Base Oil	Application
Glasstek DL-32	Water white, low carbonisation delivery oil with a viscosity of ISO VG 32.	Highly refined white mineral oil.	Spray or drip feed scoop lubricant. Optimum application between 300 - 500 cuts.
Glasstek DL-68	Water white, low carbonisation delivery oil with a viscosity of ISO VG 68.	Highly refined white mineral oil	Non flammable water based delivery lubricant.

Transfer Coating

Product	Description	Application Rate	Notes
Glasstek AG-20	Water based graphite dispersion for spray or brush application to the conveyor belt and transfer plate.	Suitable for use up to +600°C.	Imparts a graphite film to reduce thermal shock and prevent container damage.

Machine Lubricants

Product Name	Description	Base Type	Notes
Glasstek IS-220 Ultra	Premium ISO VG 220 synthetic oil for all I.S. machine lubrication systems.	Synthetic	Extended lubrication intervals in the most extreme operational environments.
Glasstek IS-220	ISO VG 220 synthetic oil for all I.S. machine lubrication systems.	Synthetic	Optimised performance for most IS machine types and operating environments.
Glasstek IS-150	ISO VG 150 synthetic oil for all I.S. machine lubrication systems.	Synthetic	Optimised performance for IS machines operating at lower temperature or requiring an ISO VG 150 lubricant.
Glasstek PL-50	Low viscosity lubricant for plunger mechanisms.	Synthetic	50 cSt viscosity, ultra low carbon residue lubricant.

Speciality Application Lubricant

Product	Description	Application Rate	Notes
Conveyor Belt Chain			
OCL - E10	Fully synthetic high-temperature chain oil with high thermal stability.	Suitable for use up to +260°C.	Conveyor and drive chains, especially suited to inverted tooth chains.

Take Out Arm & Bearings - Conveyors & Cross Belts

Arvina XR2	Long-term lubricating grease based on PFPE oil and PTFE which has been specifically designed for high-temperature lubrication.	Suitable for use up to +260°C. Improved protection against oil separation and to ensure the reliability of the bearings.	Ensure any previous greases are fully cleaned and removed prior to application.
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Gob Distributor

Graphslip	Special high solid content paste provides excellent lubrication characteristics and anti-seize properties.	Suitable for use up to +1000°C.	Lubricates sliding areas and ensure consistent, accurate positioning, the use of high temperature paste is recommended for the gob distributor mechanism.
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Transfer Plate

Dry Graphite Spray	Synthetic PTFE multi-purpose and maintenance lubricant.	Spray directly onto the cold transfer plate for a thin and evenly dispersed surface coating.	Eliminates vibrations. 3-5 times longer life than slideway oils and requires no cleaning.
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MOLYSLIP®

**Molyslip® is a 21st century
lubricant developer, producing
premium products that
consistently out-perform the
competition**



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Molyslip is part of Bishopdale Group

SUPERIOR LUBRICANTS FOR SUPERIOR PERFORMANCE

**MADE IN
BRITAIN**



Certificate Number 1297
ISO 9001

