





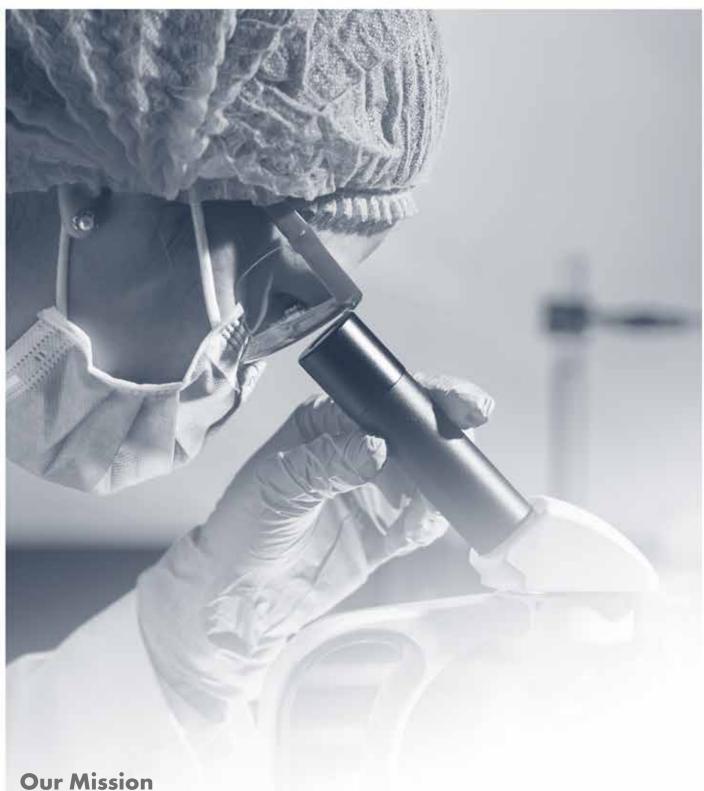




About

MYS specializes in providing efficient, cost-effective, value-packed solutions for various industrial applications and is known for presenting comprehensive commercial offers that meet the highest regulatory requirements while remaining competitive. At MYS, our specialized team of technicians work in harmony with our customers to find the most economically and environmentally viable solutions.





MYS stands for quality and reliable supply of services which are cost-effective, environmentally friendly, efficient and high compatible to geological conditions and machinery. Our staff work in synergy in a research-oriented environment that appreciates and promotes innovative solutions. MYS is known for timely delivery of solutions and provision of technical assistance throughout projects.



UGC

TBM tunneling without the use of chemicals is hard to imagine. At MYS, a wide range of highly efficient and cost effective TBM products designed specifically for use with all TBM variants and models throughout tunnel excavation are formulated which cater for different geological conditions and customer requirements.

In addition, our Professional UGC teams of technical services are on hand round the clock to offer specialist technical advice and troubleshooting to ensure the safety and optimal performance of tunnel boring machinery and personnel.







Main Bearing

Greases

One of the most important and costliest parts of the TBM is probably the main bearing. Therefore, it is imperative that this piece of machinery be kept in good condition by ensuring that it is properly sealed and well lubricated.

Main Bearing Sealant Greases

Experience has shown that most failures of TBM main bearings are related to a loss of lubricant or to the entire of contaminants such as water, mud and dust from outside. Our UGC GB protects the main bearing by preventing it from contact with such contaminants. Produced from highest raw materials and under the stringent standards, this product stands for quality and is Merkel certified.

Main Bearing Lubrication Greases

Our extreme pressure greases for TBM main bearings are packed with highly important features. They offer excellent mechanical stability in low and fast rotation speeds, heavy load carrying capacity and corrosion protection, strong resistance to washout and very good temperature stability. These greases are available in biogradeable and fire-resistance forms and come in several grades.



Main Bearing Greases



Main Bearing Greases



Ep2 Greases



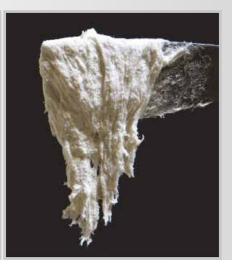
ITail Sealant

Greases

Tail sealants are injected continously between the rows of brushes to protect the TBM against the ingress of soil, water, grout or dust by sealing the tail brush system. MYS UGC G5 acts as a barrier to mortar, water and soil and is resistant to washout. Moreover, its seamless ability to adhere to any damp surfaces helps guarantee a good pressure control. This product is specifically designed to ensure the safety of the personnel, the environment and the equipment. This excellent sealant is partly based on renewable raw materials.







Tail Shield Greases

Tail Shield Greases



Foams, Polymers

and Additives

The geological conditions of the excavating site are seldom ideal. Therefore, soil conditioning is a must in ensuring the productivity and safety of tunneling activity. Injection of soil conditioners onto the tunnel face significantly modifies the charecteristics of the ground and helps transform it to obtain an effective pressure control in EPB TBMs. As a result, excavation can continue in greater safety when various factors including cutterhead torque, thurst force, clogging, dust, tools abrasion and wear affecting the TBM are minimized and controlled. Our additives and polymers help stabilize ground conditions by offsetting high water content or pressure effects in sharply graded soils. Besides, these polymers are specially engineered to have a minimal impact on the environment while being safe for the foaming system.





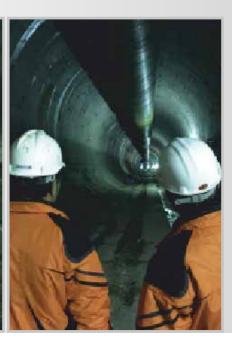


Injections

MYS manufactures and provides a variety of injection products which are used with TBMs for various tunneling applications including challenges such as strengthening geological fault zones by soil consolidation and rock stabilization, stopping water ingress, permanent sealing and waterproofing plus the filling of voids and cavities, etc. MYS UGC M products offer cosy-effective and efficient solutions for composite Shell lining, escape routes and utility caverns. Moreover, they effectively provide a barrier against compressed air loss in the cutterhead.









Concrete

Segments

During the production of concrete segments for tunnels, high early strength development is of key importance for concrete segment manufacturing. It is important that the concrete can be placed without the formation of hollows or voids. A wide range of concrete admixtures is available in MYS to cater for this requirement.







