



**ITR MIDDLE EAST FZCO**  
a USCO company

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**PRODUCT LINES**



## THE COMPANY

USCO started off in 1989 with trading activities specializing in spare parts for Caterpillar machines. In 1994 it took the first step towards creating what today is one of the vital and successful groups in the sector of spare parts for earth moving machines.

After taking over ITR, USCO also began manufacturing a variety of repair parts under the ITR brand name.

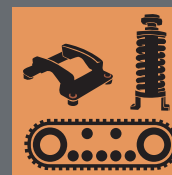
The evolution of the company and the ITR brand followed parallel roads. Acquiring new manufacturing and distribution enterprises in some key markets resulted in coherent and continual expansion of the product range. At the same time, USCO focused strongly on the logistic/distribution factors for a more rational technical/ production reorganisation and localisation.

USCO has in fact centralized undercarriage production to South Korea and China making investments and building structures that allow guaranteeing top quality standards, thus becoming one of the benchmark manufacturers on the market for undercarriage spare parts for earth moving machines.

ITR Middle East was founded in 2006 for the purpose of developing and distributing ITR products in the Middle East. A benchmark in the Middle-Eastern markets, ITR Middle East guarantees consistent stock levels and an excellent service thanks to a team specialists.

ITR Middle East distributes ITR undercarriage and GET components in the Middle East, in the Asian area of the Persian Gulf and in Eastern Africa from its new, 27,000 m<sup>2</sup> facility in Jebel Ali.

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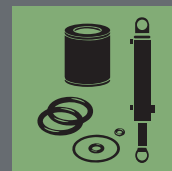
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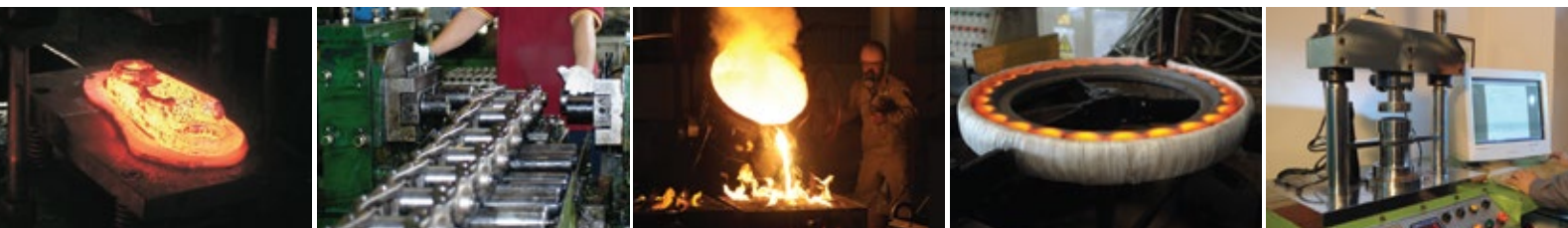
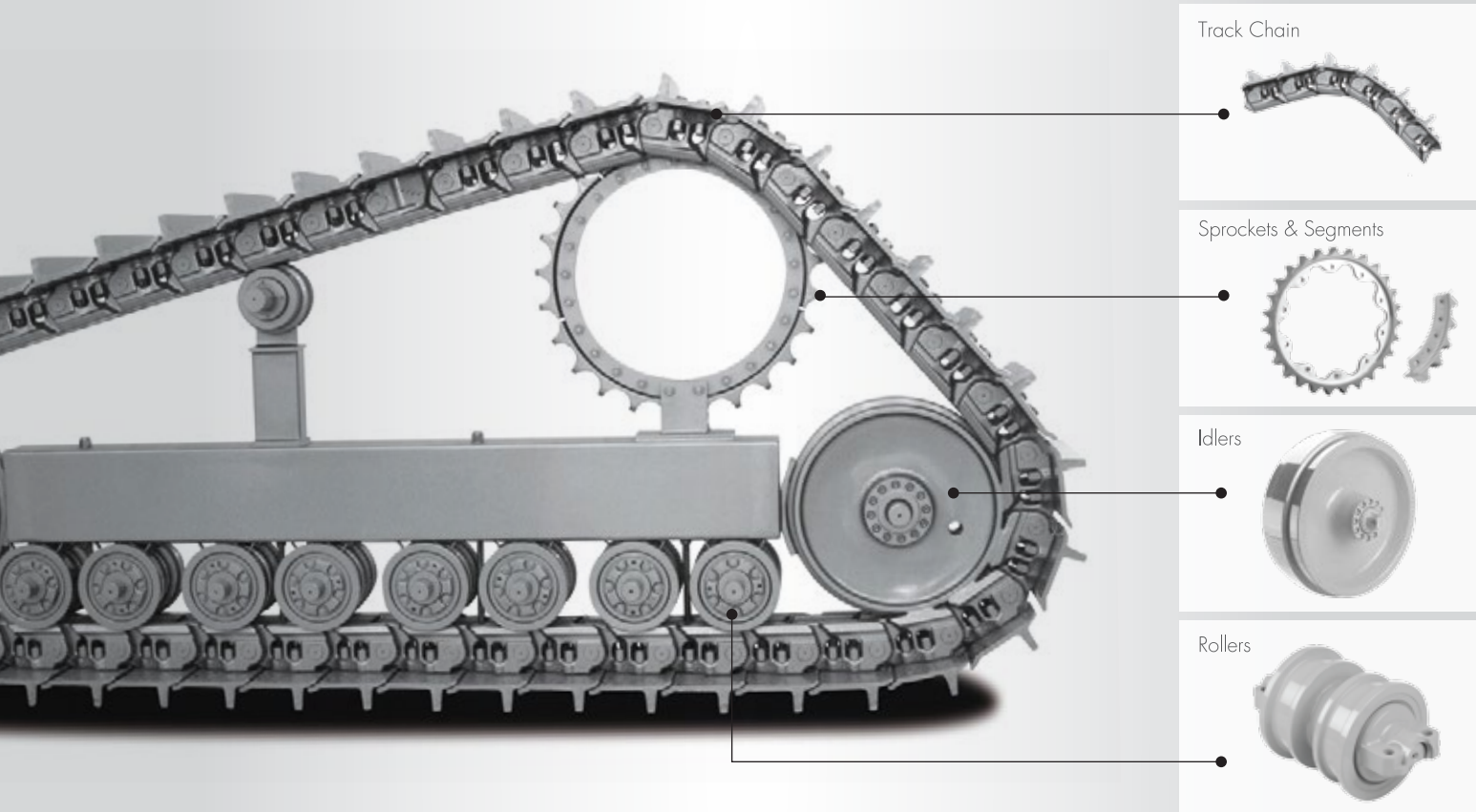
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# UNDER CARRIAGE



ITR undercarriage components are conceived, designed and engineered by USCO's engineering and R&D departments, utilizing the latest CAD systems and in collaboration with partner universities. ITR broad product coverage includes track chains, rollers, sprockets, idlers, shoes and segments produced in the Asian manufacturing facilities.

ITR undercarriage product line is entirely managed in-house. Starting with the purchase of the raw materials, through component design, to component machining, heat treating and throughout the entire assembly process up to and including final inspection. Numerous quality controls are carried out starting from raw material purchasing based on the know-how and expertise in the field of metallurgical processes and materials.

## ENGINEERING & PRODUCTION

Engineering and R&D departments are located in Italy, South Korea and China. Each manufacturing plant have a specific know-how on the locally produced components while Italian Engineering head office coordinates all activities.

## PRODUCT COVERAGE

The ITR undercarriage product line offers the most complete range available in the market, which includes standard excavator and dozer applications along with a full range of undercarriage components for asphalt, drilling and logging machinery. Production flexibility and design expertise also places ITR undercarriage line in a good position to provide 'custom-manufactured' products for special applications.

## TRACK ADJUSTER

ITR offers a wide range of complete Track Adjuster Assemblies for use on a wide range of popular excavator applications.

Maintaining proper track tension is critical to receiving satisfactory track life. Adjusters are designed to absorb shock, provide proper track tension and protect idlers and track systems.

ITR Adjusters are engineered to provide proper tension, excellent service in demanding applications and extreme operating conditions.

Manufactured to rigid quality standards and inspected to ensure a proper fit & function in the field.



## TRACK GUARDS

Track Guards protect rollers and links from damage and deformation. They are designed primarily for use in high-impact underfoot conditions. They keep out large rock and material preventing the overload to undercarriage to reduce wear and damage.

ITR recommends track guards only when the excavator is being used in rocky working conditions (not in normal working condition) as they are specifically designed for this.

The track guards are fabricated using Q435/Q235 material and can be customised as per the plate thickness requested by customer depending on the application. ITR can provide both "Weld On" and "Bolt On" types.



## RECOIL SPRINGS

ITR offers Recoil springs for a wide range of Excavators and Dozers. The recoil springs included in the Track adjusting assembly helps in maintaining a proper required tension on the track chain assembly.

ITR recoil springs are manufactured at high quality standards thus providing the exact fitment and best desired service in all operating conditions.





All ITR GET products are engineered and designed in the Group's R&D and Engineering departments, where technical know-how combines with extensive practical experience.

Quality controls conducted by ITR personnel at the facilities of certified manufacturers and upon entry to the Group's warehouses guarantee a high quality process and product.

The ITR GET line comprises all those components required for manufacturing, reconditioning and servicing blades for bulldozers, buckets for excavators, skid loaders and loaders.

The extremely varied mix includes blades, end-bits, profiles, armored bars and wear buttons, sidebar protectors for buckets, heel shrouds, lip shrouds, teeth, adapters and all those components required for excavation or leveling, like rippers or blades for graders.

The ITR GET line offers solutions compatible with a wide range of models, types of machines and customized applications.



## UNIK

ITR UNIK LINE has been conceived and designed for those applications where high penetration, impact resistance and increased wear life are essential.

UNIK presents 6 unique features:

- Innovative and modern self-sharpening design to ensure excellent performance and high productivity
- Reinforced pocket structure
- Increased side pin protection
- High impact resistance
- Selected steel composition
- Extended wear life

To design our special tip line we conducted a strict FEM (Finite Elements Method) analysis, considering that stress can be found under three different load conditions (TIP Load, Normal Load, and Lateral Load). The purpose of our project was to reinforce the design in order to minimize the peak stress values in all conditions. In other words, that means No Breakage and Better Distribution of Steel.



## BUCKET

ITR offers a product line that covers a wide range of all applications. ITR buckets designed and manufactured from High strength abrasion and wear resistant steel provide the best resistance and wear life. Our full range of excavator buckets suit up to 110 tones class machines.

ITR buckets come with extensive additional internal and external plantings to withstand most hostile conditions. Buckets can be fitted with ITR bolt-on edges, teeth, adapters, segments, corners and side-shrouds to maximize product's reliability, excavation, performance and economical efficiency. Available in any configuration to suit most of your applications and requirements.



## BUCKET LINKS

ITR's heavy duty bucket linkages are developed to respond to market trends and are manufactured for a wide range of excavators. The links are produced using Q345 plate and designed to provide excellent performance. The pins bushing can be included made from C45 steel and are heat treated to 56 Rockwell hardness to ensure the best overall performance.



## HAMMER

ITR "UEH" is an environmental friendly hammer series, which offer low noise level, high impact power and is the ideal demolition breaker tool for the urban area and the heavy duty applications. ITR Breakers have been engineered applying the latest technology. The coexistence of powerful energy and functional design makes the ITR breakers your first choice.





# REPAIR PARTS

ITR repair parts coverage is considered the most extensive and complete product range of repair items available in the market. Throughout the last 40 years, the ITR repair parts coverage has grown and expanded through customer demand, constant market analysis and strategic acquisitions.

## QUALITY

Quality makes the brand. The essential characteristic that makes the ITR repair parts stand out lies in the numerous quality controls carried out at the production plants, at the supplier's premises and when the products come into ITR distribution hubs. Broad expertise covers the entire complexity of the production process from die-casting to heat treatments to the assembly

## PRODUCT RANGE

ITR is well known for providing the most extensive coverage of repair parts in the industry. The product range includes engine parts, hydraulic parts, filtration components, transmission, final drive parts along with frame parts.



FRAME PARTS



TRANSMISSION CLUTCH &  
FINAL DRIVE PARTS



ENGINE PARTS



HYDRAULIC PUMPS PARTS

## FILTERS

Air filter – It prevents contamination of intake air which mixes with fuel before combustion

Oil filter – Provides clean lubricant oil thus reducing premature wear and tear in all frictional parts (piston, cylinder) thus giving maximum fuel economy.

Fuel filter – Keeps fuel clean which will prolong injector life and maintain higher fuel efficiency.

Transmission filter – It ensures that transmission fluid is clean and the transmission boxes clog free for better performance.

Coolant filter – Keeps coolant system clean.

Also available are air/oil separator & fuel/water separator.



## PINS & BUSHES

ITR range of pins & bushing for excavators & loaders. ITR pins & bushes are characterized by improved strength, shock resistance and reduced wear and tear.

ITR can provide dotted, electroplated in addition to normal bushing. Also available are Chrome finish pins. Material used for bushes is 40 Cr steel and for pins it is 45# steel.



## HYDRAULIC CYLINDERS

ITR hydraulic cylinders are truly world class and manufactured using advanced production techniques. ITR cylinders are available for a wide variety of excavator, loader, and dozer machine models.

Our full range of excavator cylinders suit up to 100 tons class machines.



## BREAKER TOOLS

ITR is one of the leading suppliers of breaker tools and parts. With its advance technology, thorough knowledge & experience ITR has grown up in the hydraulic breaker industry.

ITR breaker tools are made with high quality steel & heat treatment processes which provide great wear resistance and exceptional breaking power.

Strict quality control is maintained on ITR tools manufacturing processes to achieve an optimum between hardness and textile properties which reduces the possibility of breakage.

Thus we ensure our customers with higher service life, quality pricing and prompt delivery.



## BREAKER PARTS

With its continuous advancement in breaker parts technology accumulation now ITR breaker parts have gained customer confidence.

The Parts production facility includes advanced heat treatment equipments, processing equipments & measuring instruments which provides products that are highly reliable & durable.

ITR can provide the complete range of parts like, cylinders, piston, chisel stop pins, seal kits, through bolt, bushes and front covers for all the major hydraulic breaker manufactures.



## HYDRAULIC SEAL KITS

Hydraulic seals are made of teflon and rubber and are used in construction equipment. They are developed for used hydraulic cylinder market.

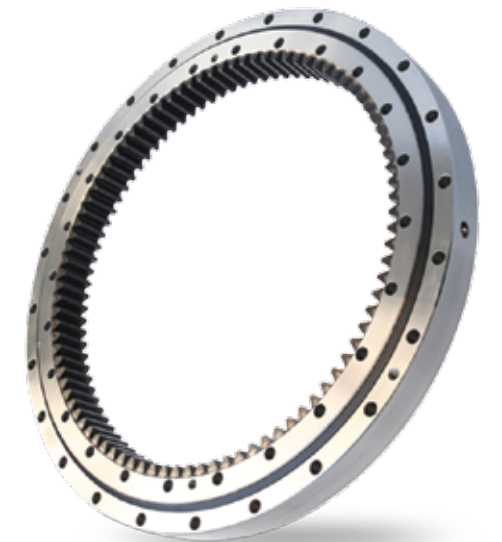
The seal kits include rod seals, buffer rings & dust seals which perform the most important function of preventing dust contamination & any leakage in the hydraulic circuits of construction equipment.

ITR seal kits use upgraded raw material which provides enhanced heat resistance and tensile strength. Ideal groove design helps in acheiving smooth oil flow and excellent performance at intense environments.



## SLEW RINGS

ITR is a leading supplier with specialisation in design, development & manufacturing of slew rings. ITR manufacturing facility have advanced CNC manufacturing, CNC Quenching & Testing equipments which are required for delivering slew rings with the best quality standard & highest precision.



## UNIVERSAL JOINTS

ITR universal joints are made of special Chrome Molybdenum Alloy steel. Journal cross, Bearing caps are forged and heat treated which gives high strength and high load bearing capacity.

The seals made of special rubber provide greater grease retention & prevent dust intake even at high working temperatures. Needle bearings used are Heavy duty. Thus ITR universal joints provide better fitting at the best required specifications.





## TYRES

ITR, pioneers in parts for tracked equipment's, introduces new product line for wheeled equipment's - off-the-road tyres. Being a renowned Italian based manufacturer of the earth moving equipment parts, ITR is now inspired to develop tyres for the extreme conditions in order to meet our customer's growing requirement. Brand loyalty is our strength, customer satisfaction our priority.

ITR tyres are specially designed for rough terrains, our product range covers complete construction and mining sector needs.

Rigid quality control covers every phase of the manufacturing process from testing the raw materials to the final product.

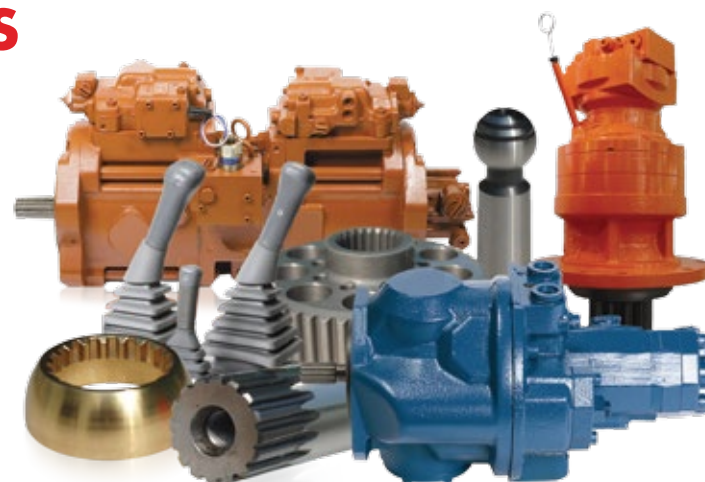
Tyres ensures durable casing, stable compounds, environment-based treads which provide solid traction, long life and excellent resistance to impact punctures.

Our professional expertise are dedicated in guiding you to choose the right tyre, cut out for the specific application at the highest level of customer satisfaction and after-sales support



## HYDRAULIC PUMP PARTS

ITR range of Hydraulic Parts and components which include pumps, motors and their repair parts like cylinder block, piston shoe sub assembly, shafts, valve plates, seal kits of popular models like Kawasaki, Komatsu, Caterpillar, Uchida, Rexforth, Eaton, Kayaba (Hitachi)...



## LUBRICANTS

ITR Lubricants and Greases, ITR has now in range the Engine oils, Transmission fluids, Gear Oils, Hydraulic Oils, Coolants & Greases for the complete range of construction equipments.

ITR ventured into the Middle East to establish a strong presence amongst other pre-existing players, building on the core strength and expertise.

The entire facility was engineered by ITR with enough provision made for a future expansion of the facility to increase its capacity. The unit also houses a fully equipped R&D wing which ensures consistent product quality



## FUEL TANKS

Tank made in linear polythylene, designed for fuel transport; it is equipped with the following fittings: filling plug with built-in air vent device, in-line filter, fuel transfer unit, automatic lockable fuel nozzle, integrated forklift pockets full tank handles for lifting and carrying (empty tank) and integrated recesses for securing with ratchet lashing straps during transport. All the fittings are made of materials compatible with diesel/petrol fuel.





