

AL-RAYAN INTERNATIONAL HOLDINGS



**OUR SERVICE
CATALOGUE**



ABOUT US

Al-Rayan international Services has had a hand in a number of Hydraulic and industrial repair services since 2006, ranging from Electronics to Precision Machining Hydraulic engineering and everything in between.

With a growing number of repair operations throughout the GCC, Saudi Arabia , United arab emirates , Qatar . Al-Rayan international Services is capable of supporting you with complete industrial repair services on a global scale. With over 122 different manufacturers and over 122,000 unique part numbers being supported, you can rest assured that Al-Rayan International has the solution for you. Our capabilities within the Remanufactured Spare Parts division can market and sell excess/obsolete equipment all over the world.



SERVICE AND MAINTENANCE

Routine maintenance decreases your production downtime, increases quality and output, and provides a safe and efficient workplace. Let us develop a plan to help your products perform at optimum levels more consistently.

A customized preventative maintenance schedule can be created to meet any budget. OEM-trained technicians perform maintenance onsite, per the manufacturer's guidelines and recommendations, while letting the customer decide which equipment is serviced.



HYDRAULIC SEAL FABRICATIONS

Hydraulic seals are an integral component of most hydraulic systems. Usually made of a soft, flexible elastomer that provides exceptional water and air sealing capabilities, hydraulic seals are ring-shaped and primarily designed to eliminate or limit the leakage of fluid moving within a hydraulic or pneumatic system. Hydraulic seals also play important roles in excluding contaminants from and appropriately pressurizing the overall hydraulic system.

Production

Hydraulic seals are generally made from elastomers, natural and synthetic polymers, which possess weak molecular attraction and highly elastic properties. Two major sources for hydraulic seals are rubber and plastics (including PTFE, such as Teflon, and polyurethane). Other elastomer materials used to fabricate seals include butadiene, nitrile, butyl, and silicone. Seals made with these and other elastomeric materials are usually fabricated through extrusion, although Teflon seals are sintered in an oven from a powder form.

Seals may also be made from non-elastic materials such as felt and leather. Some particular types of hydraulic seals (e.g. bonded seals) are made from metallic materials (including brass, bronze, aluminum, carbon steel, and stainless steel). All of the metal materials used to create seals may be plated or galvanized for added oxidation protection and strength. The adhesion between the rubber material and metal of a bonded seal is created via chemical bonding.

HYDRAULIC SEAL FABRICATIONS

A powerful complete CNC system for manufacturing seals of up to 520 mm (20.5 inches) in diameter Equipped with an effective 8-position turret for rapid tool change and short set-up times

The quality of a finished seal is always the result of successful interaction between the properly suited material and the seal's design. Seal Maker's systems are perfectly harmonized to each other. In addition to the "standard series", Seal Maker also has the option of modifying a seal according to the exact requirements an application calls for.

Our polyurethane semi-finished products particularly stand out due to their high quality material and show a prolonged service life in many applications compared to other seal and semi-finished product manufacturers.





Color	Description	Trade Name	Application Temp.
■	PU red	U500-R95	-30 to +125°C
■	PU petrol	U505-P79	-25 to +100°C
■	PU light green	U510-G88	-30 to +115°C
■	PU orange	U520-OR95-HT	-30 to +135°C
■	PU light blue	U530-B95-LT	-50 to +105°C
■	PU violet	U540-VI95-CR	-30 to +115°C
■	PU dark red	U550-GM 95	-30 to +125°C
■	PU blue	U570-D57	-30 to +125°C
■	PU grey	U580-D57-G	-30 to +125°C
■	PU green	U203-G95	-30 to +105°C

SEALING MATERIAL



Polyurethanes play an important role in today's sealing technology. They have gained an important market share in the global seal market and are mainly used as piston and rod U-rings, wipers and composite seals. We are able to offer to our customers a wide variation of polyurethane compounds, our manufacturing technology guarantees the development of excellent physical properties during polymerization with results in an outstanding material quality.



Elastomers are widely used in sealing technology due to their thermal and chemical resistance, but have been replaced in many applications by today's polyurethane materials. Nevertheless they will maintain to play an important role in the sealing industry and remain to be the only solution for many applications. Seals made of rubber elastomers are mainly used as rod and piston U-rings, compact seals, O-rings and as preloading elements in composite seals.



Thermoplastics complete the range of our sealing materials and are mainly used for back-up rings, guide rings, bearings, bushes and engineered parts. Many have outstanding resistance to high temperature and chemicals, offer excellent sliding properties and can absorb high radial forces. Therefore they are often referred to also as engineering plastics.



READYMADE SEAL KITS

We provide readymade OEM seal kits for as follows

TATA-HITACHI | HYUNDAI | L&T-KOMATSU | BEML | KOMATSU | JCB | KOBELCO | SAMSUNG |
DOOSAN | DAEWOO | VOLVO | CATERPILLAR | SANY | TATA | MAHINDRA | ESCORT | ESCORT | HM |
TEREX-VECTRA | L&T-CASE | ACE | CASE-POCLAIN | DAEMO | SOOSAN | ATLAS-COPCO | FURUKWA |
KRUPP | MONTA-BERT | DNA-ROCK-BREAKER | Others | More...



WE FIX YOUR HYD PUMPS,MOTOR,STEERING UNITS VALVES Etc.

We specialize in repairing hydraulic pumps, motors and valves from leading manufacturers.

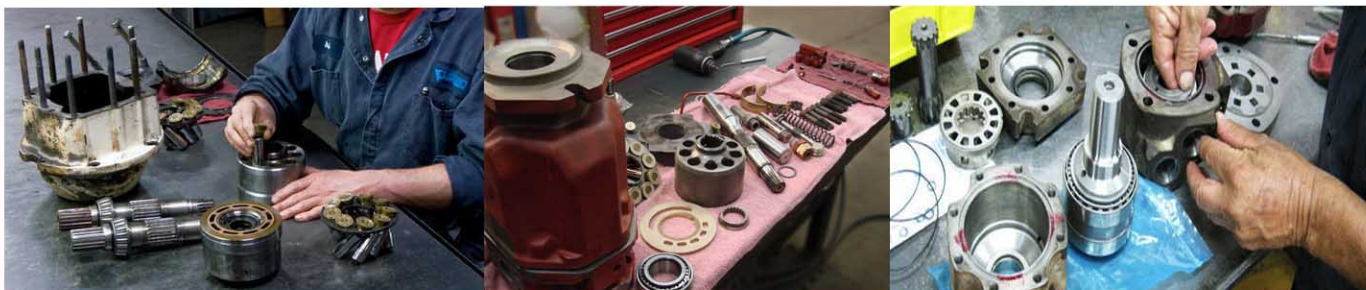
Proudly, we use genuine parts and aftermarket parts, in our repairs we service all brands such as:

- Sauer Danfoss
- Eaton
- Vickers
- Kawasaki
- Bosch
- Rexroth
- Hydromatik
- Komatsu
- Parker
- Caterpillar
- Denison
- Linde



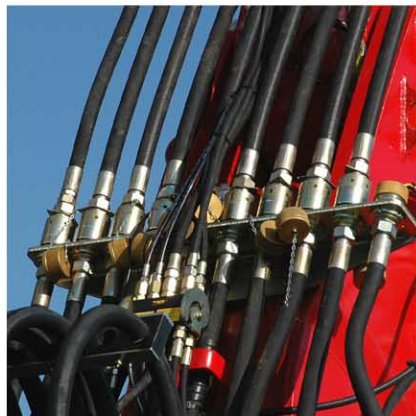
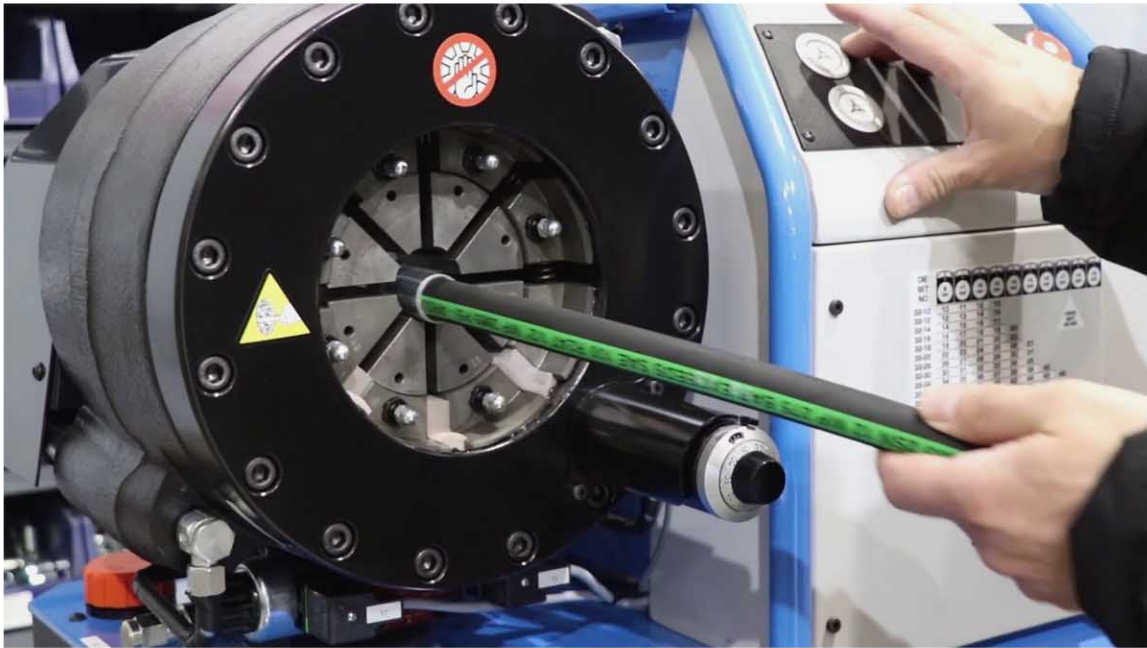
We know how important it is to get your hydraulic systems back up and running in proper working condition.

Hence, we deliver repaired pumps and motors only after using a state-of-the-art testing rig at standards setting of the manufacturer and providing repairs with test reports backed up by our warranty.



HYDRAULIC HOSE FABRICATIONS

Dies designed for variable diameter applications present the challenge of accuracy, of course. The dies can only bottom out on their smallest setting, which may not always be helpful for any hose or fitting the shop offers. Crimp machine designers had to engineer a method to stop the crimping procedure at the desired size accurately. No technician is skilled enough to stop the hydraulic pump by feel with 0.002 in. accuracy or better.



FABRICATION OF NEW OR DAMAGED PISTONS

By providing honing services, our clients will benefit from notable advantages such as correcting ovality, restoring scratched surface, reduce downtime, cost reduction, operational excellence, guaranteed working functionality, warranty-backed.



HONED PISTON TUBE AND CHROME RODS

Honed Tube is well known as hydraulic cylinder tube in industries. Honed Tubes/ Skived & Roller Burnished Tubes are the most important material of manufacturing hydraulic cylinders

We produce honed steel tubes and skived roller burnished tubes used for hydraulic cylinder or pneumatic cylinder with high quality & good prices. Imperial sizes & metric sizes available.

Honed Tube & Piston Rod

We are engaged in offering Honed Tube, which is extremely praised in the market. Owing to high demand, professionals make these products in varied patterns. We are engaged in offering high-quality of Piston Rod

As one of the leading hydraulic cylinder honing tubes suppliers and manufacturers, Datong has been supplying and exporting honed tube for almost 15 years.

Hydraulic & pneumatic machinery

manufacturing & Trading firm engaged in making available a wide range of hydraulic and pneumatic machinery part to huge clientele base



TIPPING SOLUTIONS

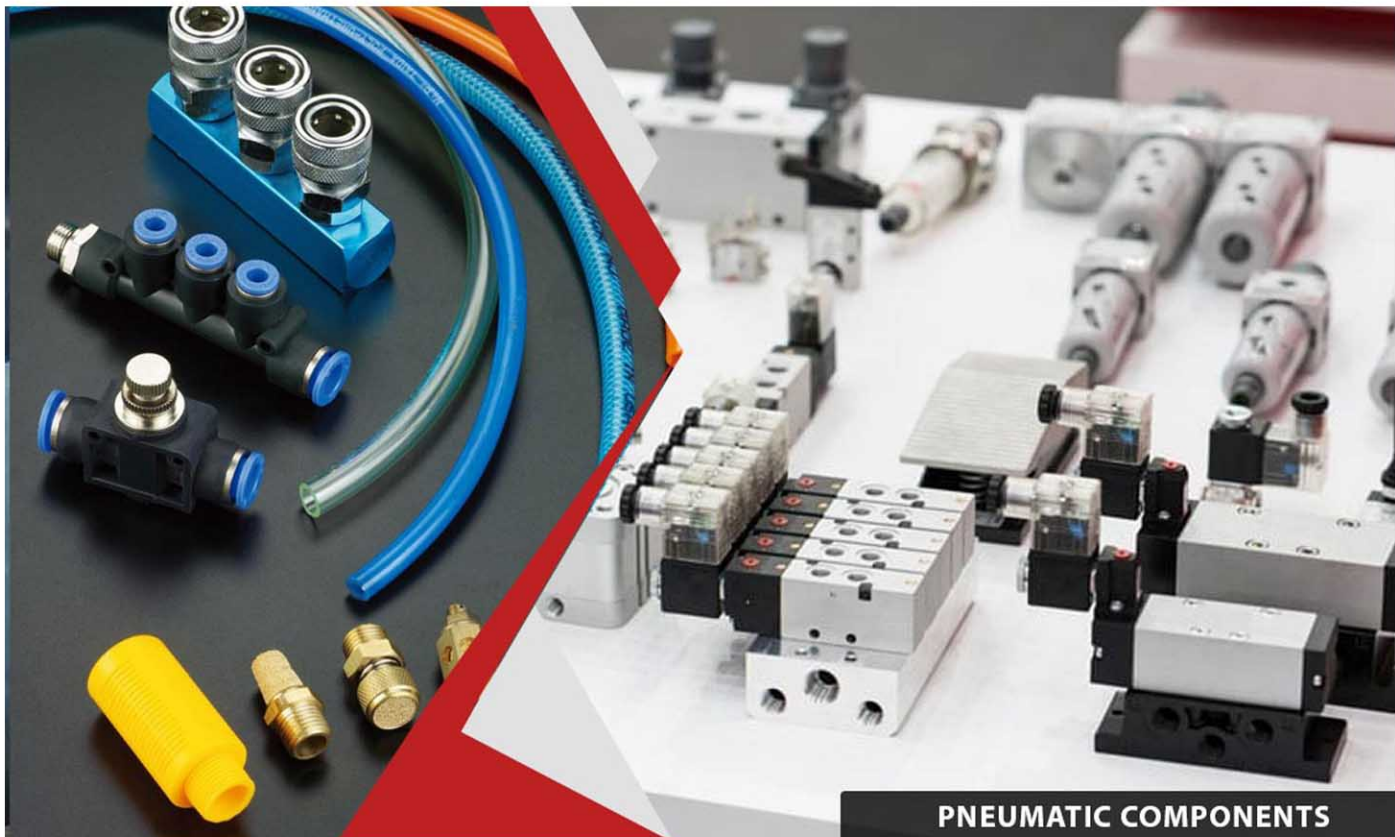
Our 5 stage series telescopic cylinders are engineered for rugged reliable operation. With major design improvements over other competitors' cylinders like a bleederless design, a low friction dual lip rod seal and having all stages chrome plated and roller burnished for smoother operation, increased scratch and impact resistance, rust/corrosion and fretting resistance and greater stability.



PNEUMATICS

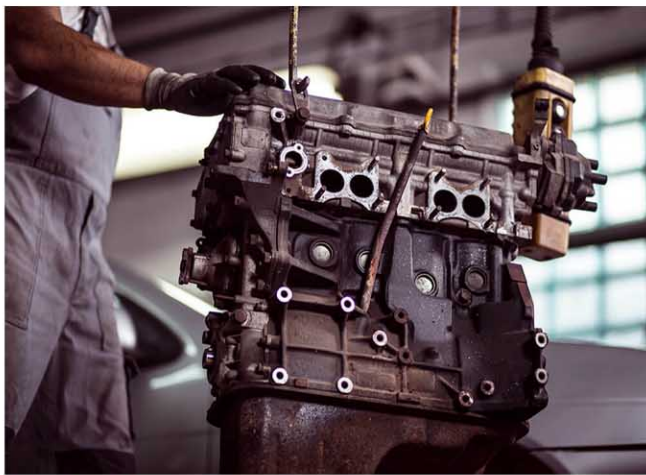
A pneumatic system is a system that uses compressed air to transmit power. Usually, a centrally located compressor provides power to cylinders, rotary actuators, and other pneumatic devices through a system of tanks, pipes and valves.

The design of any pneumatic system must always include safe stop functionality in order to halt dangerous motion. Safe stop also prevents the machinery activating unexpectedly from a resting state. Other pneumatic safety controls must include:



MECHANICAL REPAIR

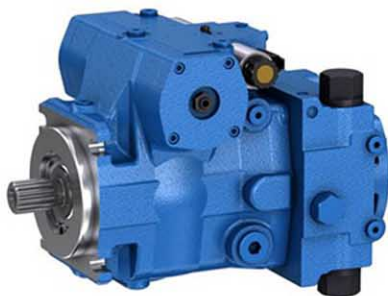
Gear Boxes/Gear Reducers , Air compressors, Petrol and Diesel Engines overhaul
Hub & Radiators maintenance



Rebuilding Pumps & Motors

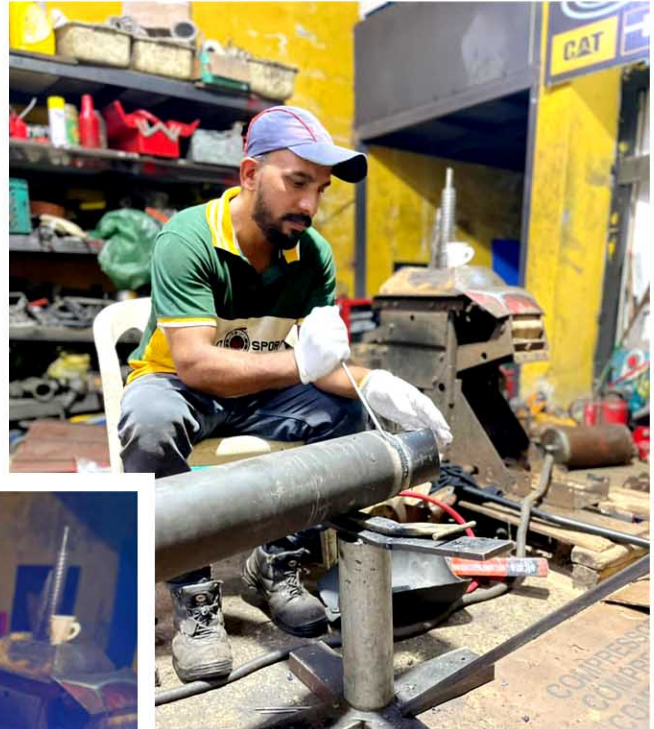
We service hundreds of hydraulic pumps and motors every week. Every unit is completely disassembled and evaluated so that we can identify possible root causes of failure. Damaged parts are replaced or remanufactured, and the unit is rebuilt. The final product is load tested to confirm that it performs to OEM-specific standards before being painted and packaged for return.

Common Brands: Bosch Rexroth, Calzoni, Denison, Oilgear, Parker, Racine, Staffa, Tokimec, Tokyo Keiki, Vickers, and many more.



Rebuilding a Hydraulic Cylinder

When compared to total cylinder replacement, rebuilding your hydraulic cylinder may be the best long-term option. Rebuilt cylinders offer you a more affordable way for high-quality component replacement with a potentially longer lifespan than cylinders that have undergone numerous repairs. Rebuilt cylinders also have quick turnaround times to keep your mobile and industrial machinery up and running.



RE SEALING HYDRAULIC CYLINDER

Every day, we speak with a variety of clients who have been resealing hydraulic cylinders themselves, in an effort to reduce costs and downtime. However, recently we have also received an influx of calls from the same clients, who seem to be regularly suffering from “seal failures” and “leaks”. We understand that speed and money are huge motivational factors to reseal in house so we have written this article to further the knowledge of our clients.



AUTOMOTIVE AFTERMARKET SPARE PARTS FOR PASSENGER CARS

When it comes to engine technology we have a comprehensive range of **spare parts** for passenger cars – suitable for all European, Japanese, American and Asian vehicles.

STEERING & SUSPENSION



NVH



ENGINE MANAGEMENT



ELECTRICS



ENGINE TIMING



DRIVETRAIN



ENGINE THERMAL MANAGEMENT



ENGINE COMPONENTS



WHEEL FASTENING



AIR-CONDITIONING & HEATING



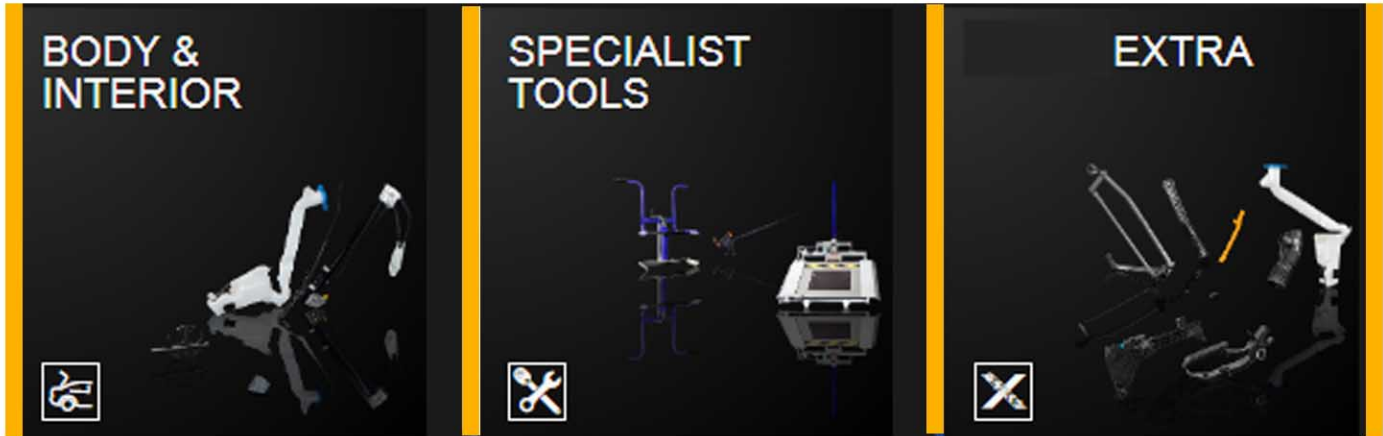
BRAKING



FLUIDS



BEST CHOICE FOR SPARE PARTS



THE BRANDS WHICH WE DEAL WITH



PRE OWNED LUXURY CARS & RENTAL

Experience exotic car rentals from the brand known for award-winning customer service. Our goal is to meet your needs and exceed your expectations.

The extensive range of approved pre-owned cars we stock have all been carefully selected and meticulously prepared.

Our Price Guarantee ensures our vehicles are the most competitively priced on the market.

We offer you the choice to buy a premium used car online, which we can deliver to your home. In addition, a Click and Collect service is available.

Our range of finance packages can be tailored to your individual requirements, granting greater flexibility.

Each of our vehicles undergo a full HPI check, ensuring your investment is protected.



RAYAN RESORTS AND CAFE

The Rayan Resort in Wayanad is conveniently located in Kalpetta,(ambalavayal) the heart of Wayanad. Rayan Resorts India Pvt. Ltd managed by Rayan Resort is one of the few premium luxury resorts situated away from the city crowd yet very close to the city.

Wayanad as a destination offers varied things for a tourist to do. One may find the right activity to suit one's taste here – from a leisurely sight-seeing to an action packed and adventurous trek up Chembara peak.

Come stay with us and experience Wayanad – one of the few untouched hill terrains in the western ghats.



Our café that primarily serves coffee of various types, e.g. espresso, latte, and cappuccino.



TOURISM AND TRAVELS

KOCHU's HOLIDAYS offers the best tours & travel experience with unique prices. Book the best tours packages for any domestic & international destination of your choice.

Booking a travel package when it comes to travelling to new parts of the country or the world is a practice that has slowly gained a lot of popularity. Today, whenever it is about planning a holiday trip, many people have a preferred travel portal in India that is best for their specific needs. Owing to the faith bestowed in our travel services by our patrons,

We at KOCHU's HOLIDAYS World understand that now a days, travelling has become much more than just visiting a new destination. That is why each of our vacation packages offers you the respite that you anticipate from a holiday. As a well-informed traveler, it is only right to expect more from your travel company in India (KERALA) - we strive to ensure the same for our customers. It is no longer about only conveyance and accommodation. For those who enjoy travelling, the best travel packages are those which can offer them holistic holiday experiences. That is exactly what you get when you opt for the best travel company KOCHU's HOLIDAYS World.



VEHICLE WASHING AND DETAILING

Professional car detailing is the art and the craft of cleaning and restoring a vehicle to like-new condition. Car detailing services are much more precise and labor-intensive than getting a car wash. A car wash is normally an automated system that a car passes through to clean the exterior. Professional auto detailing is always done by hand, and includes exterior and interior car detailing services.





INDUSTRIAL NEEDS, AUTO SPARE PARTS, TRAVEL&TOURISM,PRE-OWNED VEHICLES,
CAR RENTAL,RESORTS AND CAFE



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