

# Remanufacturing for Professionals



# Who we are?

We specialize in remanufacturing, which means factory repair - the results of this process are components repaired in accordance with the manufacturer's standards. A combination of genuine parts, tools and skilled employees with advanced quality control allows us to obtain the final product at a quality and technical level identical to a brand new component. This fact confirmed by our customers, who are professional independent services, but also authorized services.

## How we stand out?

Using the most modern machines and component remanufacturing technologies, we can guarantee our Customers of the highest quality of services. During the process we use genuine spare parts.

By implementing processes in accordance with the requirements of ISO 9001:2015, we aim to maintain the high quality of our services and products. We are constantly monitoring and improving our procedures moving towards maximum process optimization.

Fulfilling its assumptions, we also try to provide our clients with the highest level of service by our advisors technical at the Customer Service Office and sales representatives in the field.

Due to the fulfillment of many rigorous standards, we have obtained the status of an **Authorized Service Center of Delphi** and **VDO** in the field of repair of fuel system of diesel engines and the highest level of authorization by **Bosch - Bosch Diesel Center**.

We have **ISO** certificate for „Regeneration and sale of automotive parts“. Our company has implemented and applies a Quality Management Systems compliant with the requirements of **ISO 9001:2015**.



Scan for more info



# Conditions of delivery

A broad and professional workforce in combination with the maximum use of logistic possibilities, allows for quick and efficient execution component repair process.

Cooperation with leading courier companies ensures delivery of our products throughout **Europe** even within **24 hours** from the moment of placing the order.

# Terms of Business

The main activity of the company is remanufacturing supplied components.

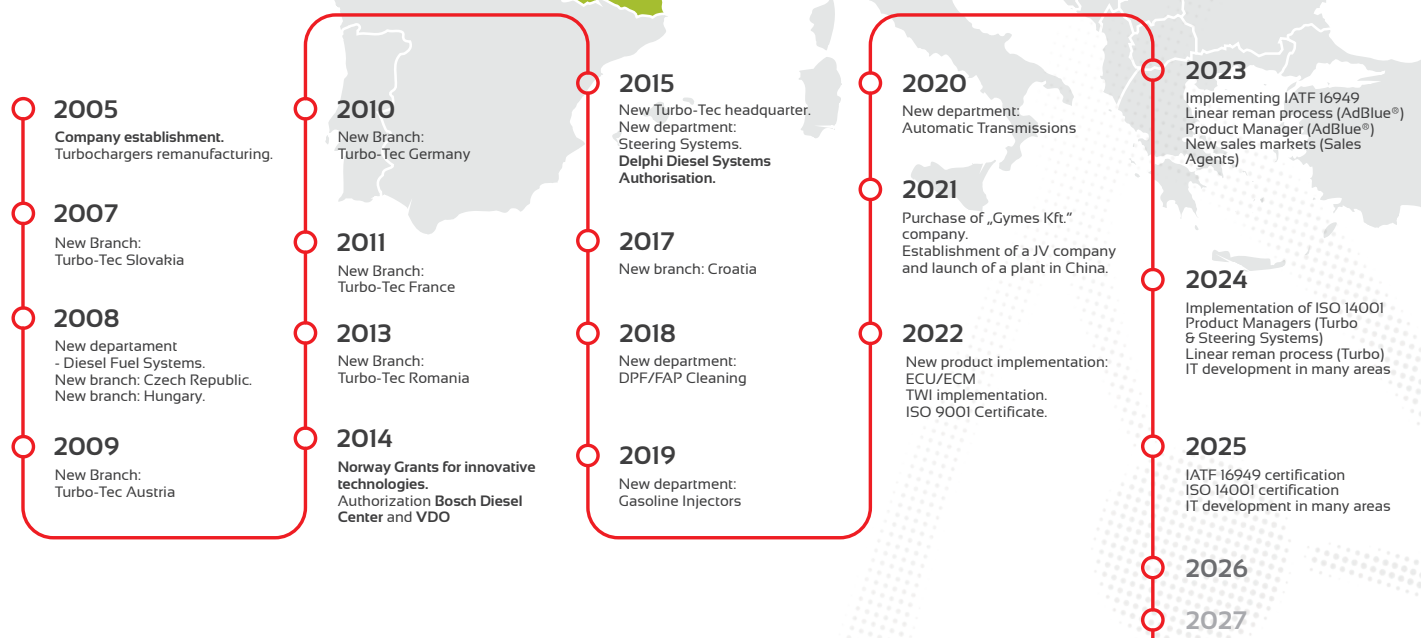
We also offer the purchase of remanufactured products.

In this case, it is necessary to return the old one, damaged part.

The offer is complemented by the possibility of purchase brand new components.

# You can find Turbo-Tec in 10 countries:

- Germany
- France
- AustriaH
- Poland
- Hungary
- Czech Republic
- Slovakia
- Romania
- Slovenia
- Croatia





# Starters

Our offer includes remanufacturing of starters used in passenger cars.

We are capable of remanufacturing most starters installed in vehicles offered on the European market.

Each starter in the remanufacturing process is disassembled into parts, which are then cleaned. The next step involves a detailed assessment of wear and the technical condition of all components. All damaged, worn out, or crucial parts for the proper operation of the starter are replaced with new ones. After assembly, the starter undergoes load tests to verify its performance parameters. A proper technological process, high-quality spare parts, and final checks of the starter's performance parameters ensure its correct operation after installation in the vehicle.



We remanufacture starters from leading manufacturers such as **Bosch, Valeo, Denso, Magneti Marelli,** and others.

NEW





# Alternators

We specialize in remanufacturing alternators for passenger vehicles, covering the majority of car models offered in the European market.

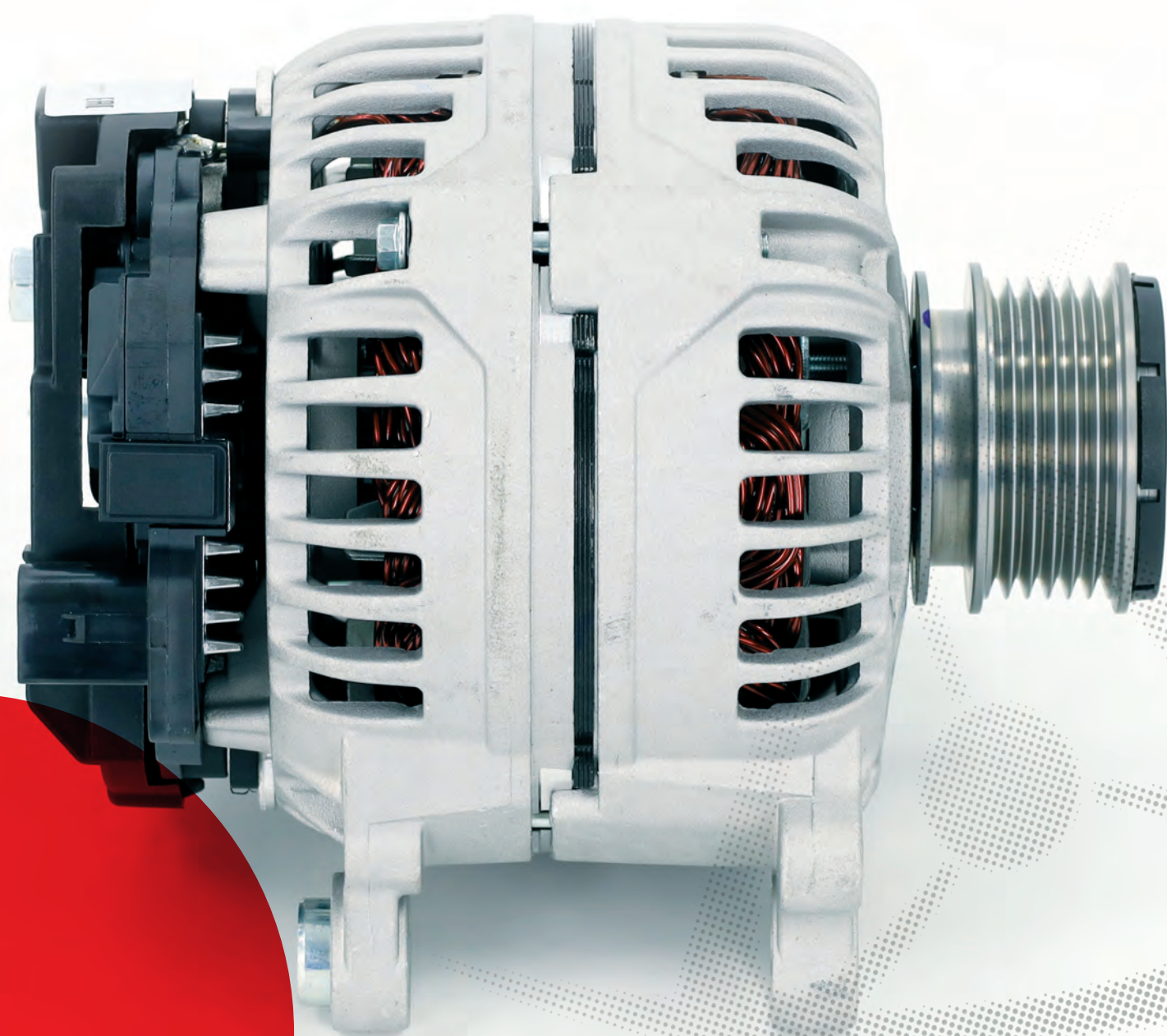
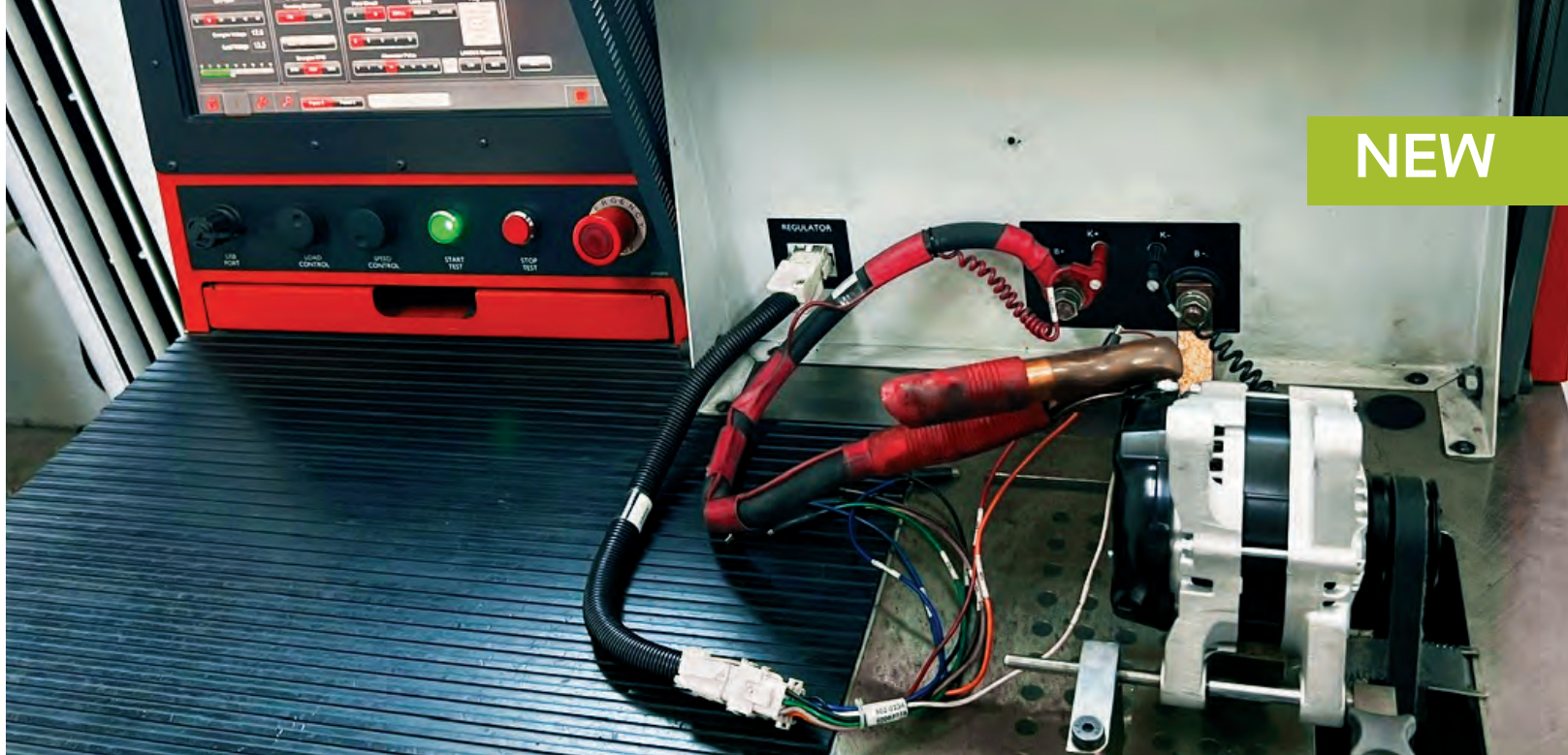
During the remanufacturing process, each alternator is first disassembled into parts, which are thoroughly cleaned. Next, we precisely assess the level of wear and the condition of all components. Any damaged, worn out, or crucial components essential for the proper functioning of the alternator are replaced with new ones. Once reassembled, the alternator undergoes load tests to verify its operational parameters. Through a precise process, using high-quality spare parts, and conducting rigorous final tests, we ensure that the alternator operates perfectly after installation in the vehicle.

We remanufacture alternators from leading manufacturers such as **Bosch, Valeo, Denso, Magneti Marelli,** and others.





NEW





# Automatic transmissions, torque converters, valve body/mechatronics

We offer professional remanufacturing of the following types of automatic transmissions used in passenger and delivery vehicles:

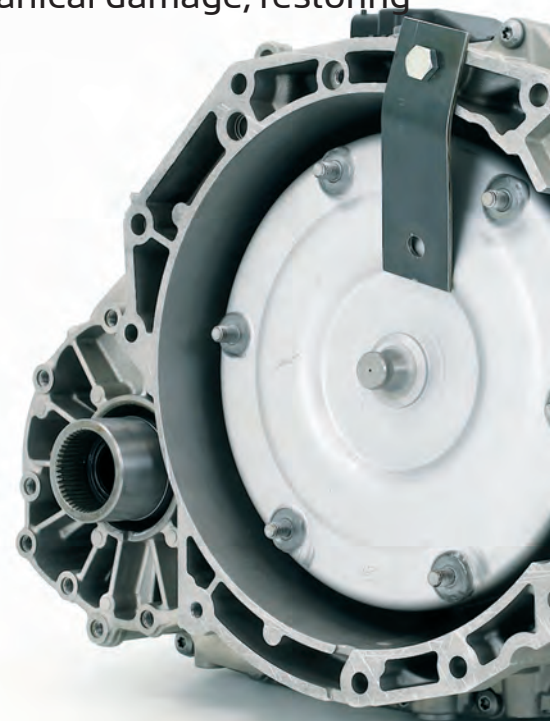
- **Classic automatic transmissions with torque converter**
- **Dual clutch gearboxes (DCT/DSG)**

During the remanufacturing process, all components are thoroughly checked for mechanical or electric/electronic damage. All defective components are replaced with new ones, and the rest is thoroughly cleaned.

We also offer remanufacturing of torque converters and hydraulic control units (valve body/mechatronics).

Remanufacturing involves replacing (or repairing) all damaged components as well as other key components such as bearings and seals. Each remanufactured converter is tested to check for leakage and balancing.

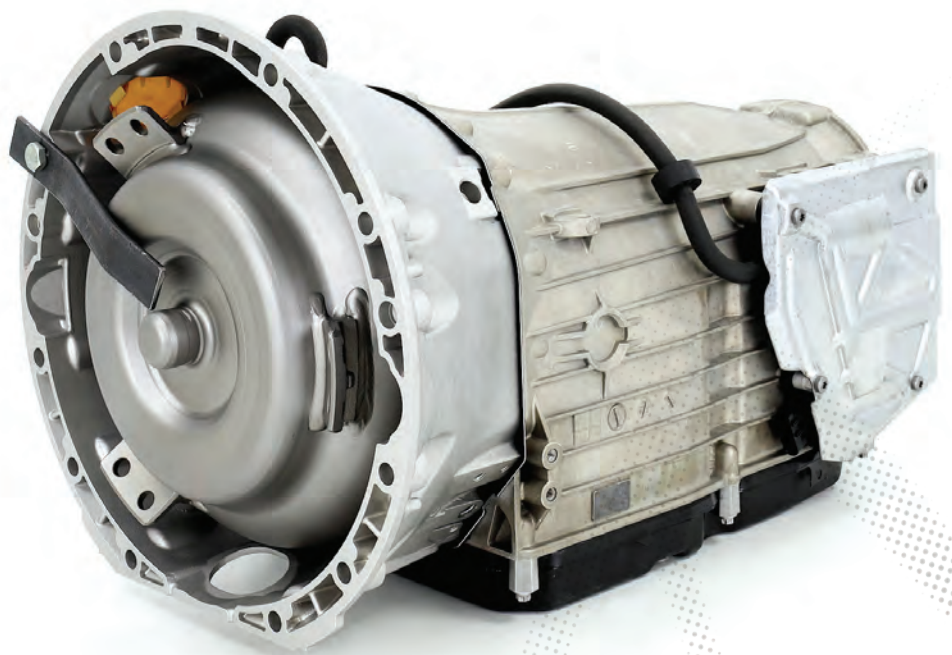
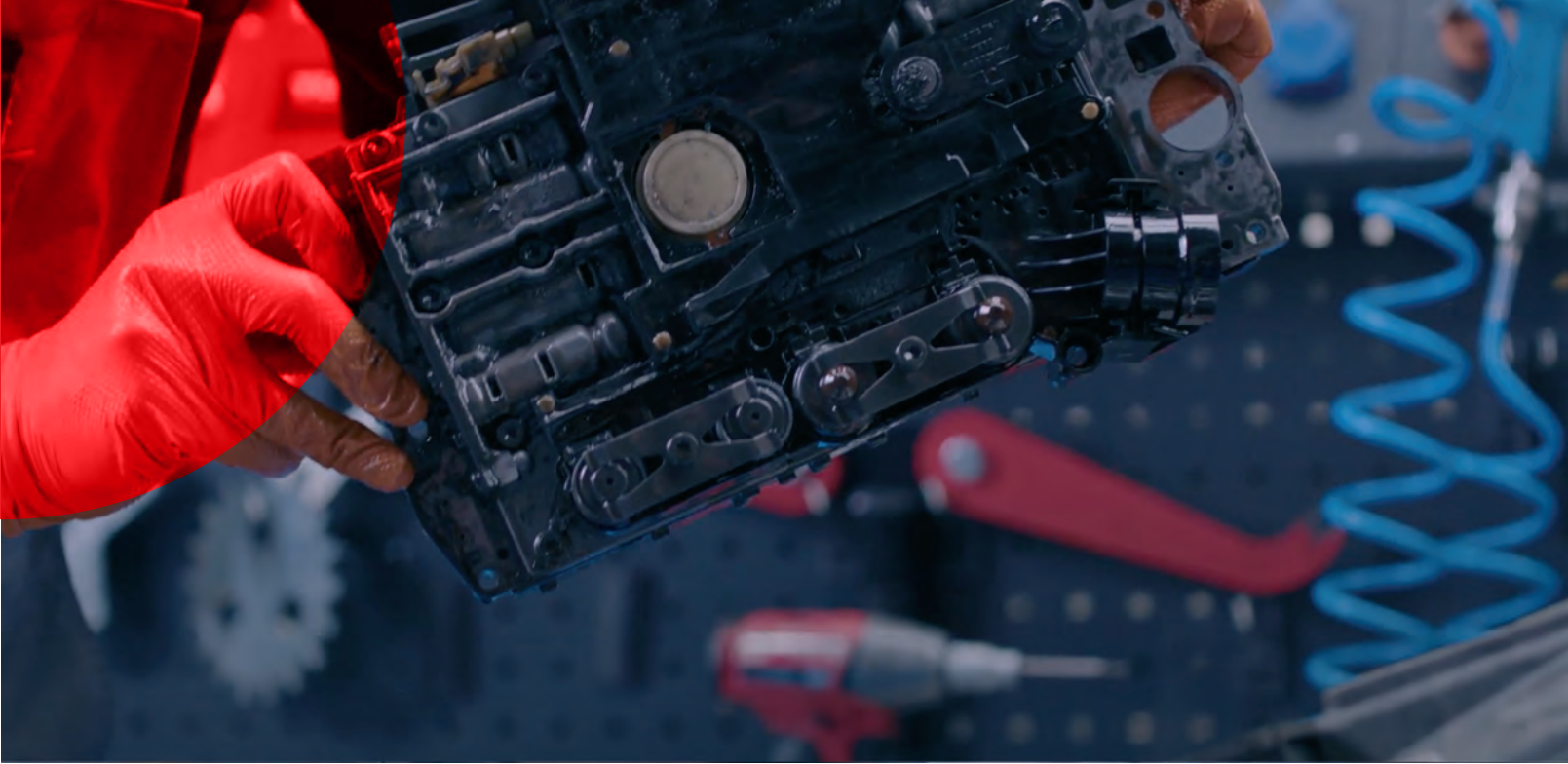
Hydraulic control units are tested on a special bench. After a negative test result, it is usually possible to repair the electronic and/or mechanical damage, restoring the full functionality of the valve block/mechatronics.



We do remanufacture automatic transmissions of the most popular manufacturers, such as:

**ZF, Jatco, Getrag, Aisin,  
General Motors (Hydramatic), Mercedes.**





Scan for more info



# AdBlue® Tanks (SCR)

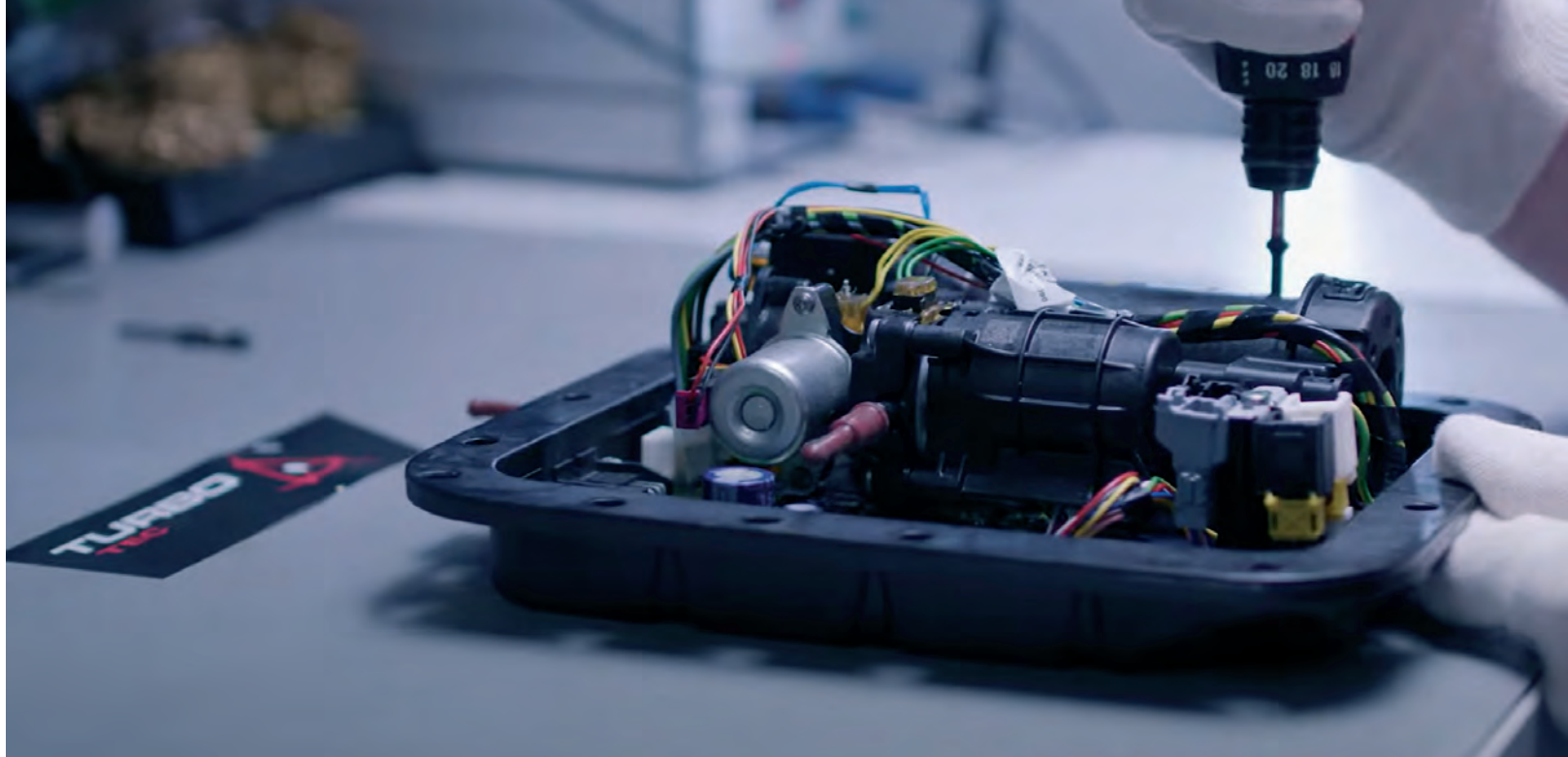
Systems reducing the amount of nitrogen oxides in exhaust gases have become an indispensable element of modern solutions diesel engines.

The SCR system can cause trouble for the vehicle user because it is sensitive to insufficient quality AdBlue® agent, presence of even a small admixture of another fluid (e.g. diesel) in the system and low temperatures. There are also faults in electronic components of the system.



We specialize in the professional repair of various models of AdBlue® tanks used in **PSA/Stellantis** passenger and commercial vehicles. We are developing our offer in this area successively, and the list of available references is constantly growing.





Scan for more info



# Gasoline injectors

## Cleaning injectors in a gasoline engine?

Yes, especially petrol direct injection engines are exposed to consequences resulting from injector malfunction. Accumulating sediment in combination with high temperature in the engine cylinders may cause improper fuel atomization, and consequently a malfunction or even a failure of the engine. An alternative to expensive injector replacement for new ones, there is a thorough cleaning and a fuel spray test. Advanced proces allows for the removal of carbon deposits and other impurities, which improves the efficiency of fuel atomization and the shape of its stream. It is often possible to restore the injector to full efficiency, if there is no mechanical or electrical damage. Here's what you can gain from our service cleaning and checking the correctness of injector spraying:

- you restore the original engine power,
- you eliminate knocking combustion, which may consequently damage the engine,
- you will be able to save fuel.

We clean and test injectors from indirect (MPI/PFI) and direct (GDI/TSI) injection systems.

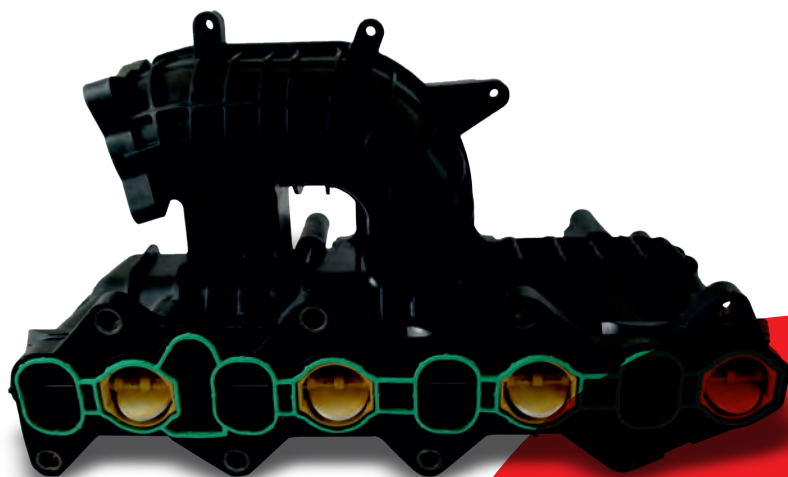


# Cleaning engine parts

Complex service repairs require precision and cleanliness. Often contaminated parts or additional components may be the cause of a failure or make diagnostics much more difficult. We will clean professionally parts of the engine and its accessories to ensure the success of your work. Appropriate selection of the cleaning method (or a combination of different methods) will avoid component destruction and obtain the best results, thanks to which it is possible to effectively remove accumulated oil or soot, as well as difficult to remove sinters. We have a whole range of possibilities - from traditional workshop washers, through ultrasonic cleaners, a specialized line for thorough cleaning made by Dürr, up to abrasive cleaning in sandblasting processes, shot blasting and others.

We clean, among other things:

- rails (reservoirs) of high pressure injection systems,
- intake manifolds (with or without swirl flaps),
- exhaust gas recirculation (EGR) valves,
- intercoolers (charge air coolers), intake pipes and hoses
- exhaust gas coolers
- other elements of the engine or its accessories







## Cleaning the particulate filters and catalysts

Modern exhaust systems are complex devices, the efficiency of which is essential for safety and trouble-free operation of the vehicle.

Faults caused by the filling of diesel particulate filters and catalytic converters do not have to be related to them an expensive replacement. Professional cleaning of such elements allows you to restore them to full efficiency and performance. Thanks to the possibility of measuring the level of filter contamination before and after the cleaning, we can assess the real level of contamination and the effectiveness of the process.

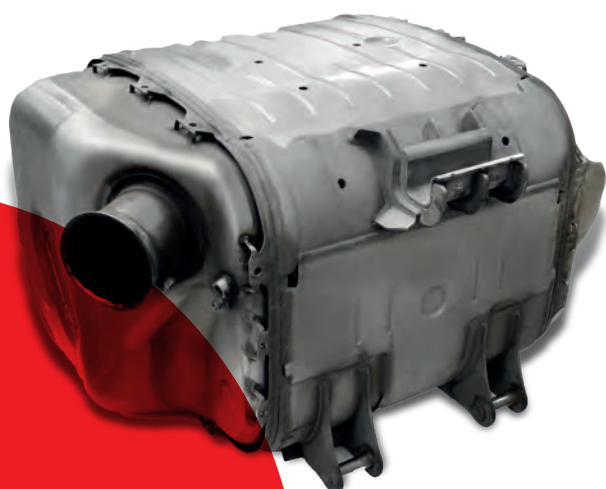
As part of our services, we clean the following elements:

- **catalysts from gasoline and diesel engines,**
- **particulate filters, „dry“ (DPF/GPF) and „wet“ (FAP),**
- **SCR / Denox catalysts.**

The method of cleaning the particulate filter we use compared to the so-called service regeneration has many advantages:

- **no increased mechanical load on the engine caused by high speed operation during the forced regeneration process,**
- **no increased thermal load on components in the exhaust system (turbocharger, catalyst, particulate filter core),**
- **no need to change engine oil, which is required after service regeneration.**

Importantly, you can only clean undamaged components, so before the cleaning proces we will do inspection of their condition, and in the case of mechanical damage, we can offer replacement damaged cartridges to brand new ones that meet all the requirements of the manufacturers.



Scan for more info



# Steering racks and power steering systems

The offer of remanufacturing of power steering racks, columns and power steering pumps covers most common solutions in Europe.

Steering racks from passenger cars and vans in each we can help in such cases. We deal with the remanufacturing of steering racks and electro-hydraulic power steering pumps from manufacturers such as:

**ZF, TRW, KOYO/JTEKT, SMI, VISTEON, NEXTEER, NSK, HITACHI.**

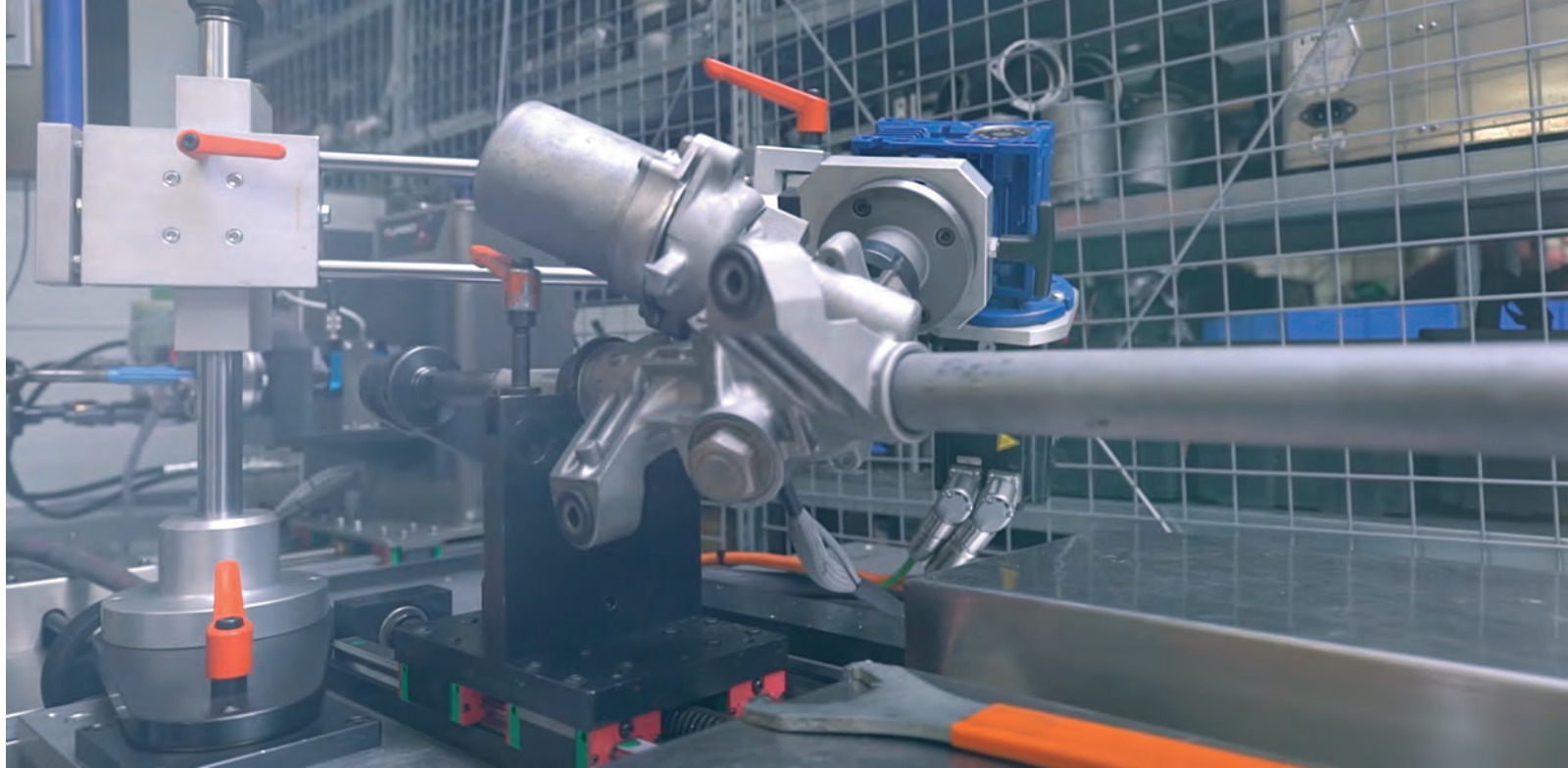
We offer:

- racks without power steering,
- racks with hydraulic power steering,
- racks and columns with electric power steering
- electro-hydraulic power steering pumps (EHPS / EPHS).



All steering components undergo rigorous testing prior to shipment to ensure that that the shipped product is functional and, above all, safe. We send steering racks equipped with new rods and rack boots so the product is ready for installation in the vehicle.





Scan for more info



# Diesel injection systems

Regardless of whether the injection system is from a passenger car, delivery vehicle, truck, whether from a construction or agricultural machine, we can help you repair it. We always start with a test, to check the condition of a injector, unit injector or high pressure pump.

The test, confirmed by measurable parameter results, ends with a valuation and repair proposal. Using genuine spare parts and rigorous procedures with the equipment certified by manufacturers of injection systems allows us to prepare the product, which, after remanufacturing, meets all standards and parameters, analogous to a brand new product.



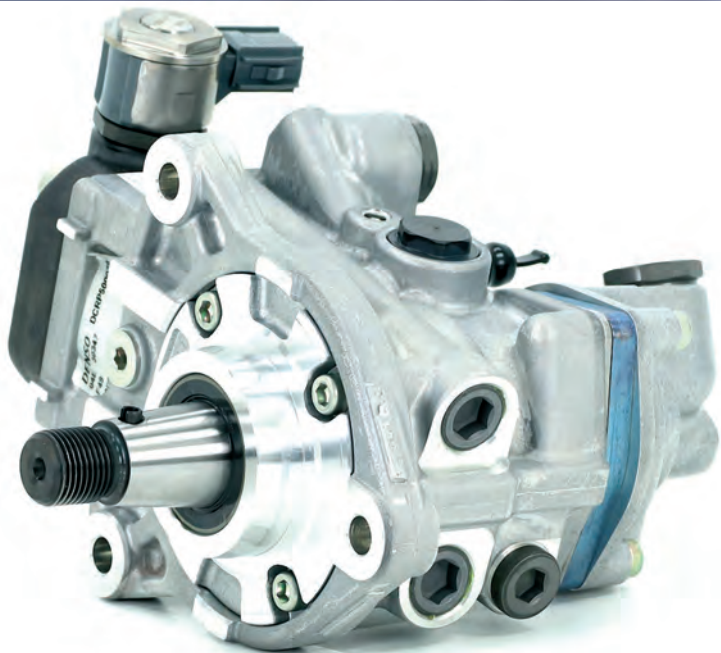
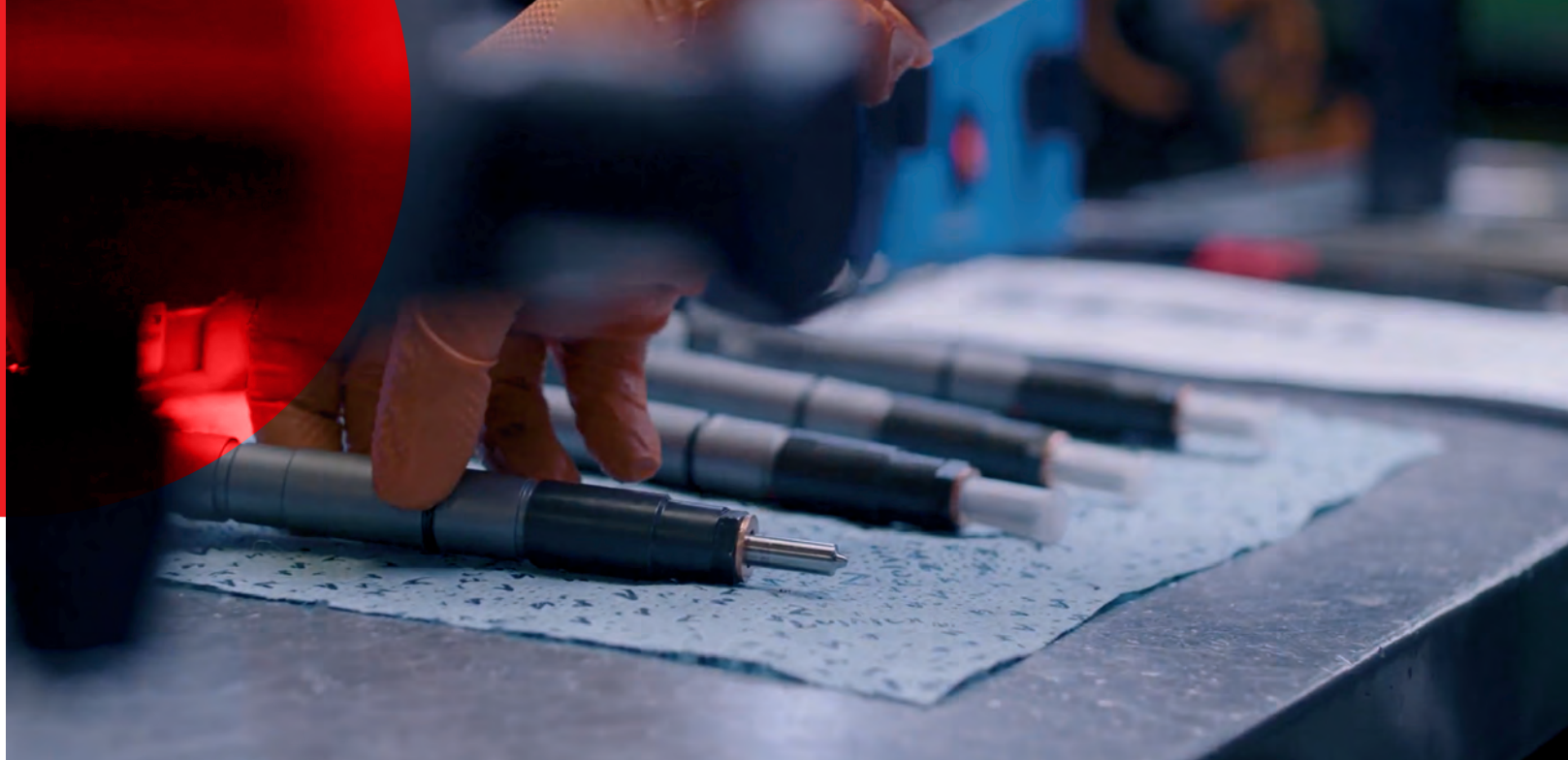
We are **Delphi and VDO / Continental** authorized diesel injection systems service. We also have the highest level of authorization from **Bosch - Bosch Diesel Center**. We offer, among others:

- Bosch VP29 / 30 and VP44 distributor injection pumps,
- Delphi DP200 / DP300 distributor injection pumps,
- Bosch (PD / UIS) and Delphi (EUI) unit injectors used in passenger cars and vans, trucks and utility machines,
- Bosch, Delphi, Siemens VDO / Continental and Denso Common Rail high pressure pumps,
- Bosch, Delphi, Siemens VDO / Continental and Denso Common Rail injectors,
- Bosch (PLD / UPS) and Delphi (EUP) single-section pumps and Delphi SMART injectors

Scan for more info







Scan for more info



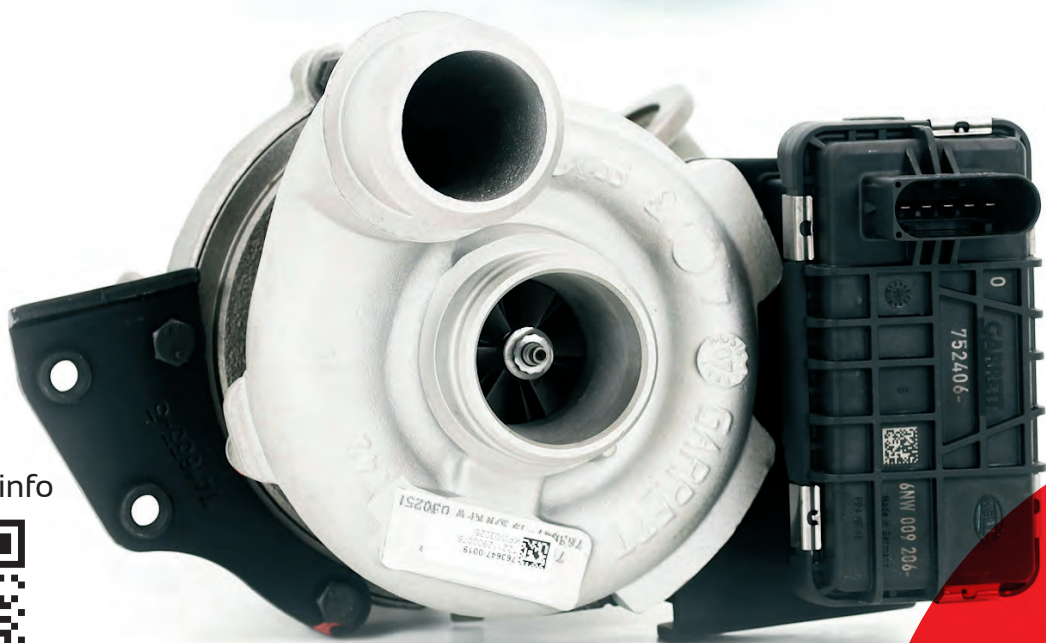
# Turbochargers

Our offer of turbocharger remanufacturing applies to all types working in internal combustion engines. Does not matter if the turbocharger comes from a passenger car, delivery truck, truck or construction machine or an agricultural machine, we can handle it.

We are aware of the complexity of issues related to turbocharger faults, so each time we focus on only on the repair itself, but we will show the causes of the fault to help eliminate its source.

We deal with professional remanufacturing of turbochargers of all leading manufacturers, incl. **Garrett, BorgWarner Turbo Systems (KKK and Schwitzer), Mitsubishi, IHI, Continental, Bosch Mahle Turbo Systems, Holset.**

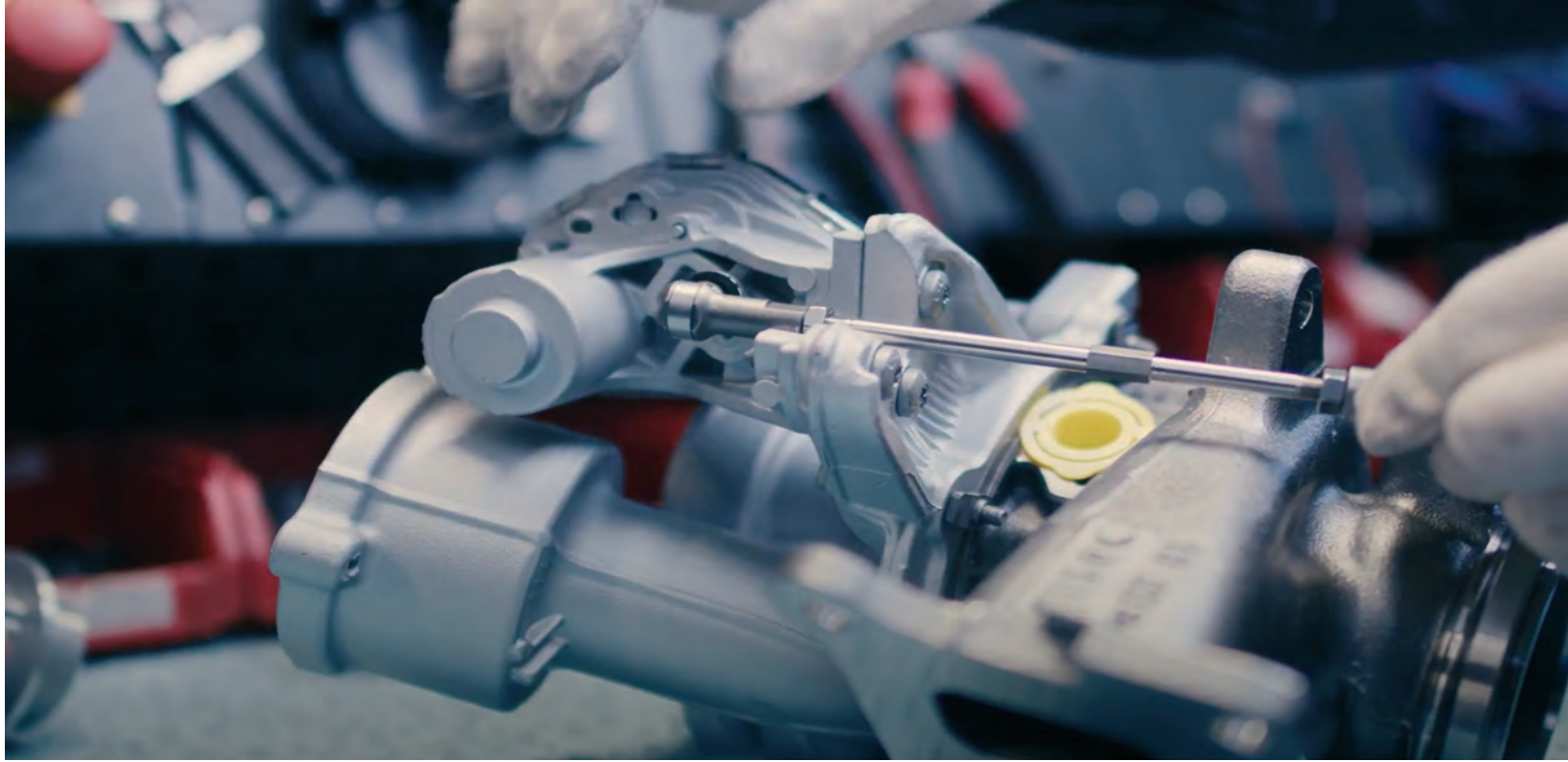
Remanufacturing is finished with the balancing of the rotating system and wastgate or VNT calibration, so our product has similar parameters to new product.



Scan for more info







**Turbo-Tec Sp. z o.o.**

+ 48 32 617 77 33  
info@turbo-tec.eu

**Turbo-Tec GmbH**

+ 43 01 867 34 14  
wien@turbo-tec.eu

**Turbo-Tec Germany GmbH**

+ 49 (0) 89 44479826  
muenchen@turbo-tec.eu

**Turbo-Tec HU KFT.**

+ 36 96 416-826  
gyor@turbo-tec.eu

**Turbo-Tec S.A.S.**

+ 33 3 20 11 30 73  
seclin@turbo-tec.eu

**Turbo-Tec Slovakia s.r.o.**

+421 32 652 33 07  
trencin@turbo-tec.eu

**Turbo-Tec CZ s.r.o.**

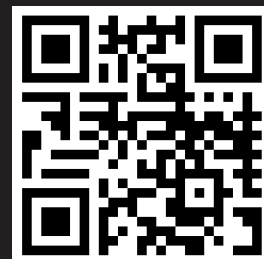
+ 420 543 214 658  
brno@turbo-tec.eu

**Turbo-Tec SRL**

+ 40 736 366 825  
bucharest@turbo-tec.eu

**TURBO DIESEL TEC d.o.o.**

+385 91 44 555 11  
zagreb@turbo-tec.eu



Check our offer  
[www.turbo-tec.eu](http://www.turbo-tec.eu)