



TURBOCHARGER REMANUFACTURING SPECIALIST



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OUR
COMPANY | INDUSTRIAL REMANUFACTURER

Established since more than 50 years
Top European specialist in Turbocharger Remanufacturing
Worldwide range of customers on Automotive and Truck fields

OUR
PLANT | RELIABLE, MASSIVE AND SMART

On board quality insurance management system that meets ISO & IATF best practices
36 000 m² eco-responsible factory located in France
Flexible and fully computerized production site

OUR
DNA | TO EXTEND TURBOCHARGER TOTAL LIFECYCLE
SAVING ENERGY, RESOURCES AND COSTS

State-of-the-art Remanufacturing
360 degrees customers' support
Highly skilled and permanent trained staff
Permanent investment to be in line with last market technologies

OUR
STRENGTHS | ADDED VALUE PARTNERSHIPS EXPERIENCE
HIGH PRODUCTION CAPACITY

First Class operational excellence
European's largest cores stock
In house core logistic center dedicated to each customers' requirements

OUR
RANGE | LIGHT DUTY, HEAVY DUTY & OFF HIGHWAY

A full range of Remanufactured Turbochargers with different technologies for all applications:
- Wastegate regulation
- Variable Nozzle Turbocharger (VNT)
- Bi & Tri stages Turbochargers
- E-Actuators
- Specific design materials (D5S or Titanium...)



OUR
PROCESS | UNIQUE, VERTICAL AND SAFE

Failure Mode and Effects Analysis (FMEA) based on functional analysis for processes and products
Retro Engineering: products studied and developed from new master sample units
PPAP: Production Parts Approval Process to reach original functionalities and performances
Production fully controlled by CAPM (Computer Assisted Production Management)



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| <p>1 Reception and Storage
- Visual inspection and sorting
- Dispatch and Geolocalized cores</p> | <p>2 Dismounting and Inspection
- Cores dismounting (scraping non-reused parts)
- Reused parts visual inspection
- Critical parts dimensional inspection</p> |
| <p>3 Cleaning
- Complete components cleaning (reused parts)
- Shot blasting and washing</p> | <p>4 Balancing
- Turbine shaft low speed balancing
- Axial and radial plays inspection
- CHRA High speed dynamic balancing</p> |
| <p>5 Mounting and Setting
- CHRA reassembly stage
- Compressor and Turbine housings assemblies
- Regulation assembly and settings (wastegate or VGT)</p> | <p>6 Stamping, Final Control and Packaging
- Serial number nameplate stamping
- Final inspection and release
- Packaging</p> |