



AUTOMOTIVE SOLUTIONS

2026 CATALOG

Precision Engineered Components
& Complete Automotive Solutions

From precision-engineered components to fully integrated automotive solutions, we deliver reliable, high-performance, and innovative systems built to drive the future of mobility.



Download Catalog



AUTOMOTIVE SOLUTIONS

Precision Engineered Components for the Automotive Industry



OSANTS AUTOMOTIVE SUPPLY CAPABILITIES

- ✓ Global sourcing network
- ✓ Tier 1 and Tier 2 supplier support
- ✓ Production and aftermarket solutions
- ✓ Prototype through mass production
- ✓ Quality-certified manufacturing partners

AUTOMOTIVE CATEGORIES PREVIEW



TRANSMISSION SYSTEMS



ENGINE COMPONENTS



ELECTRICAL SYSTEMS



PRECISION HARDWARE



ENGINE COMPONENTS

Precision-engineered engine components built for maximum performance, durability, and efficiency.



1. ENGINE BLOCKS & HEADS



- ✓ Cylinder heads
- ✓ Engine blocks
- ✓ Valve covers
- ✓ Timing covers



2. PISTONS & CONNECTING RODS



- ✓ Forged pistons
- ✓ Connecting rods
- ✓ Wrist pins
- ✓ Piston rings



3. CRANKSHAFT COMPONENTS



- ✓ Crankshafts
- ✓ Counterweights
- ✓ Harmonic balancers
- ✓ Flywheels



4. FUEL SYSTEM COMPONENTS



- ✓ Fuel rails
- ✓ Injectors
- ✓ Pump assemblies
- ✓ Fuel delivery systems



5. VALVE TRAIN COMPONENTS



- ✓ Camshafts
- ✓ Valves
- ✓ Lifters
- ✓ Rocker arms



6. COOLING & LUBRICATION



- ✓ Oil pumps
- ✓ Water pumps
- ✓ Heat exchangers
- ✓ Oil management systems

OSANTS ADVANTAGE



PRECISION MACHINING



HEAT-TREATED ALLOYS



OEM SPECIFICATIONS

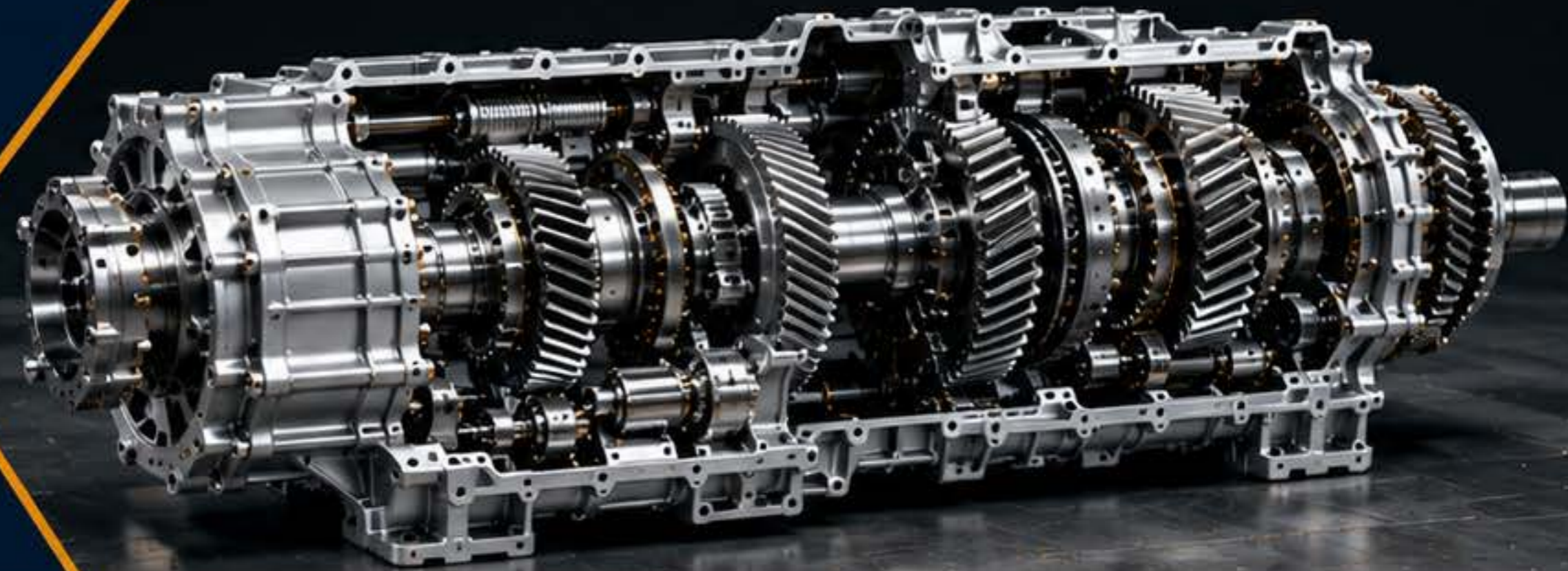


GLOBAL SOURCING SUPPORT



TRANSMISSION & DRIVETRAIN COMPONENTS

Precision-engineered components built for performance, durability, and efficiency.



1 TRANSMISSION ASSEMBLIES



- ✓ Automatic transmissions
- ✓ Manual transmissions
- ✓ Dual-clutch systems
- ✓ CVT assemblies

2 GEARS & GEARSETS



- ✓ Precision gears
- ✓ Helical gears
- ✓ Planetary gears
- ✓ Differential gears

3 SHAFTS & COUPLINGS



- ✓ Input shafts
- ✓ Output shafts
- ✓ Drive couplings
- ✓ Splined shafts

4 BEARINGS & BUSHINGS



- ✓ Roller bearings
- ✓ Needle bearings
- ✓ Bushings
- ✓ Bearing assemblies

5 CLUTCH COMPONENTS



- ✓ Clutch hubs
- ✓ Pressure plates
- ✓ Friction assemblies
- ✓ Release systems

6 DIFFERENTIAL COMPONENTS



- ✓ Ring gears
- ✓ Pinions
- ✓ Locking systems
- ✓ Carrier assemblies

OSANTS ADVANTAGE



TIGHT TOLERANCES



HARDENED MATERIALS



HIGH-VOLUME SOURCING



AUTOMOTIVE-GRADE QUALITY



HARDWARE & PRECISION MANUFACTURING

Precision hardware and components engineered and manufactured to meet the demands of modern vehicles.



1. FASTENERS



- ✓ Automotive bolts
- ✓ Screws
- ✓ Studs
- ✓ Locking hardware



2. SPRINGS & RETAINERS



- ✓ Compression springs
- ✓ Retaining rings
- ✓ Clips
- ✓ Custom spring solutions



3. BRACKETS & MOUNTS



- ✓ Structural brackets
- ✓ Engine mounts
- ✓ Sensor mounts
- ✓ Chassis supports



4. PRECISION MACHINED PARTS



- ✓ CNC components
- ✓ Turned parts
- ✓ Milled components
- ✓ Custom hardware



5. SURFACE TREATMENTS



- ✓ Anodizing
- ✓ Zinc plating
- ✓ Powder coating
- ✓ Corrosion protection



6. CUSTOM ASSEMBLIES



- ✓ Kitting
- ✓ Subassemblies
- ✓ Build-to-print assemblies
- ✓ OEM replacement components

OSANTS ADVANTAGE



TIGHT TOLERANCES
Precision-built components to exact specifications.



GLOBAL SOURCING
Qualified supplier network worldwide.



SCALABLE PRODUCTION
Prototype through mass production.



QUALITY ASSURANCE
Inspection, testing, and traceability.



ELECTRICAL & ELECTRONIC SYSTEMS

Advanced electrical and electronic components designed for today's vehicles and tomorrow's mobility.



1. WIRING HARNESSSES



- ✓ Main harnesses
- ✓ Battery harnesses
- ✓ Custom assemblies
- ✓ EV wiring systems



2. CONNECTORS & TERMINALS



- ✓ Automotive connectors
- ✓ Terminal systems
- ✓ Sealed connectors
- ✓ Adapter assemblies



3. CONTROL MODULES



- ✓ ECU housings
- ✓ BCM modules
- ✓ Powertrain controllers
- ✓ Sensor interfaces



4. SENSORS & SWITCHES



- ✓ Temperature sensors
- ✓ Pressure sensors
- ✓ Position sensors
- ✓ Safety switches



5. BATTERY & EV COMPONENTS



- ✓ Battery enclosures
- ✓ Bus bars
- ✓ Battery connectors
- ✓ Power distribution units



6. CIRCUIT PROTECTION



- ✓ Fuses
- ✓ Relays
- ✓ Circuit breakers
- ✓ Protection modules

OSANTS ADVANTAGE



AUTOMOTIVE-GRADE RELIABILITY



ENVIRONMENTAL SEALING



HIGH-CURRENT CAPABILITY



EV-READY SOLUTIONS



OSANTS

ENGINEERED SOLUTIONS FOR AUTOMOTIVE COMPONENTS & SYSTEMS

DRIVEN BY INNOVATION. BUILT FOR PERFORMANCE.

OSANTS is a trusted partner to the automotive industry, delivering precision-engineered components and systems that power the future of mobility. We partner with OEMs and Tier 1 suppliers to deliver high-quality, reliable, and cost-effective solutions.

BODY & CHASSIS SYSTEMS

Structural Components,
Subframes & Body Assemblies

POWERTRAIN COMPONENTS

Engine, Transmission &
Drivetrain Parts

SUSPENSION & STEERING

Control Arms, Knuckles,
Steering & Linkage Systems

INTERIOR SYSTEMS

Dashboard Structures, HVAC
Components & Modules

ELECTRICAL & ELECTRONICS

Battery Components, Wiring
Systems & E-Mobility Parts

COMPONENTS & SYSTEMS SOLUTIONS

- ✓ Stampings & Fabrications
- ✓ Castings & Forgings
- ✓ Plastic Injection Molding
- ✓ Rubber & Sealing Systems
- ✓ Fasteners & Clips
- ✓ Exhaust & Emission Systems
- ✓ Fuel & Brake Systems
- ✓ Heat Shields & Insulation Assemblies & Subsystems

ENGINEERING & DESIGN SUPPORT

- ✓ Concept & Feasibility Study
- ✓ DFMA / DFM Analysis
- ✓ CAD / CAE / FEA
- ✓ Prototype & 3D Printing
- ✓ Tooling & Fixture Design
- ✓ Process Development
- ✓ Value Engineering
- ✓ Technical Documentation

MANUFACTURING EXCELLENCE

- ✓ CNC Machining
- ✓ Sheet Metal Fabrication
- ✓ Die Casting
- ✓ Welding & Joining
- ✓ Surface Treatment
- ✓ Plastics & Composites
- ✓ Assembly & Integration
- ✓ Quality Manufacturing

QUALITY & TESTING ASSURANCE

- ✓ Dimensional Inspection
- ✓ Material Certification
- ✓ PPAP & APQP Support
- ✓ FMEA & Control Plans
- ✓ Endurance Testing
- ✓ Corrosion Testing
- ✓ NVH Testing
- ✓ IATF 16949 Compliance

LOGISTICS & SUPPLY CHAIN SOLUTIONS

- ✓ Global Sourcing
- ✓ Supplier Management
- ✓ Inventory Management
- ✓ JIT & Kanban Support
- ✓ On-Time Delivery
- ✓ Packaging Solutions
- ✓ Export Documentation
- ✓ After-Sales Support

STANDARDS & CERTIFICATIONS – CERTIFIED SUPPLIER PER IATF 16949



IATF 16949
Automotive Quality
Management



ISO 9001
Quality
Management



ISO 14001
Environmental
Management



ISO 45001
Occupational Health
& Safety



RoHS
Compliant

OSANTS ADVANTAGES

- ✓ Expertise in automotive components & systems
- ✓ High precision, reliability & long service life
- ✓ Advanced manufacturing & quality control
- ✓ Tested for performance & durability
- ✓ Cost-effective solutions with global reach
- ✓ End-to-end support from concept to production
- ✓ Strong automotive industry partnerships



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