

Markets Served



Passenger Vehicle

The iconic TREMEC brand is known for robust, superior quality manual transmissions found in Detroit-3 muscle cars, sports cars and luxury vehicles. TREMEC designed mechatronic solutions provide optimized launch and shift profiles in many premier European supercars.



Light Duty Truck

Designed for delivery vans, pick up trucks and other commercial vehicles, TREMEC five- and six-speed rear-wheel drive manual transmissions offer the highest torque capacity and best-in-class shift feel.



Medium and Heavy-Duty Truck

Comprehensive line of commercial transmissions and components for line haul and vocational vehicles, offering high torque-to-weight ratios and patented shift control and lubrication technologies.



Agricultural and Industrial Equipment

Products found in leading agricultural and industrial equipment include automated manual transmission components, manual transmission components, engine components, and axle components.



Military and Severe Duty Components

Built to exacting specifications, TREMEC produces geared hubs and geared fan drives to endure the most extreme environments.

A Commitment to Excellence

The global automotive industry demands world class levels of product quality, productivity and competitiveness – as well as continual improvement. TREMEC attains this stature by providing a high level of technical expertise, with continuous training in quality control and quality assurance systems.

Certification and Accreditation

ISO/TS 16494:2009 Certified
ISO 14001:2004 Certified
C-TPAT Certified
ITAR Compliant
DoD Registered

Recognition

Cummins Preferred Quality Supplier Award
Ford Motor Company's Q1 Award
General Motors QSTP Supplier of the Year Award
National Award for Energy Conservation (Mexico)
National Quality Award (Mexico)
National Technology and Innovation Award (Mexico)
Nissan Quality Master Award
The Shingo Prize for Manufacturing Excellence

Locations

TREMEC serves its global client base with over 1,400 associates

Plymouth, Michigan | USA

Marketing • Sales • Service • Application Engineering

Santiago de Querétaro, Querétaro | Mexico

Research and Development • Engineering • Manufacturing

Pedro Escobedo, Querétaro | Mexico

Manufacturing

Zedelgem | Belgium

Research and Development • Engineering • Manufacturing

TREMEC

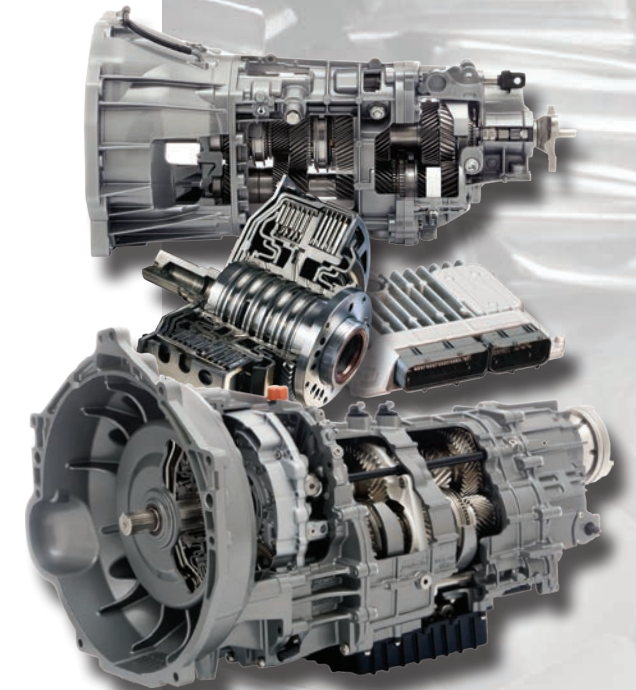
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TREMEC

Torque Transfer Solutions®





About Us

TREMEC specializes in the design and production of torque transfer solutions for the automotive, commercial vehicle, agricultural, industrial, and military industries. The portfolio of products includes manual transmissions, dual clutch transmissions, gears, shafts, clutches, friction materials, shift systems, synchronizers, mechatronic systems, transmission control units, and control software.

When founded in 1964, the company focused on manufacturing robust manual transmissions for rear-wheel drive passenger cars, light trucks and commercial vehicles. Today, TREMEC is uniquely positioned to serve markets demanding innovative products with manual and automated dual clutch transmissions for rear-wheel drive and all-wheel drive architectures.

TREMEC's products solve key challenges faced by the powertrain industry, including mandates for increased fuel efficiency, reduced emissions, lower weight, and compact size. Its technology addresses the industry's stringent requirements for reliability, cost, and quality – while providing fun-to-drive characteristics.

TREMEC serves its global client base with over 1,400 employees and operations in North America and Europe.



Value and Quality

To guarantee outstanding value and quality, TREMEC employs a highly automated production system in its manufacturing facilities. Lean manufacturing tools and techniques and a flexible production environment transform raw materials into tried and tested products.

The TREMEC production system is designed to manufacture your products to your exacting specifications. TREMEC is committed to your long-term success by providing exceptional quality, value and customer satisfaction.

Torque Transfer Solutions

TREMEC provides traditional mechanical and advanced mechatronic powertrain solutions for specialty and high-volume applications. Our technology addresses the key market needs for automation, emission control, fuel efficiency, torque capacity, and refinement.

Engineering Expertise

TREMEC engineers help clients build unique solutions for their unique needs with turnkey systems – from design and modeling through testing and production.

Mechatronic Systems

New developments in the portfolio of drivetrain products include high torque dual clutch transmissions and mechatronic sub-systems that provide multi-mode, tunable launch and optimized shift profiles.

All systems and sub-systems – including hardware and control software – are internally developed for maximum system performance.



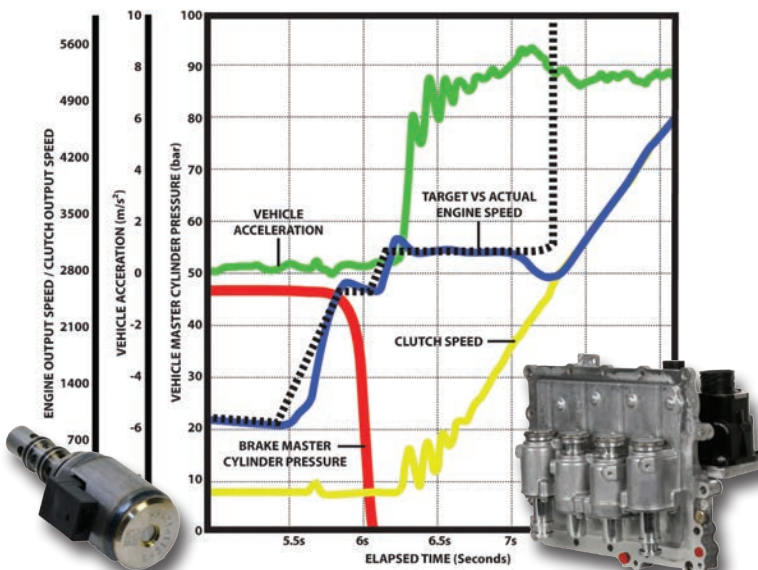
Mechatronic Assembly with Pressure Pump



Transmission Control

Built around a high-performance multi-core microcontroller, TREMEC control systems excel in computationally intensive model-based applications.

TREMEC DCT systems employ advanced control strategies to provide a range of shifting characteristics for performance and economy.

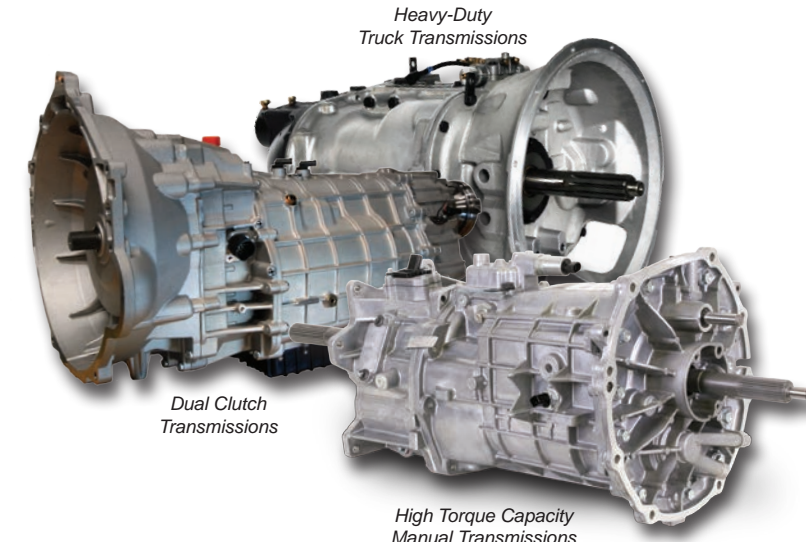


Low Leak Solenoids

Electro-Hydraulic Actuation System

World Class Products

TREMEC products have a solid reputation for being best in their respective classes. The company offers fully integrated systems and components to control the torque transfer in all type of vehicles.



Heavy-Duty Truck Transmissions

Dual Clutch Transmissions

High Torque Capacity Manual Transmissions

Transmissions

Products include rear-wheel drive manual transmissions, dual clutch transmissions for rear-wheel drive, all-wheel drive and transaxle platforms, hybrid and EV transmissions, and specialty transmission solutions.

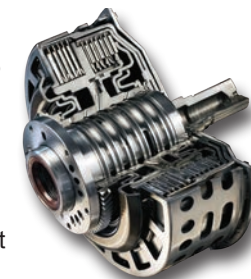
Gears and Shafts

A comprehensive line of precision-made gears and shafts for light, medium and heavy-duty applications.

Clutches

A range of friction solutions from clutch systems to organic and carbon-based friction materials.

Control and thermal performance are key to TREMEC's success with the patented "virtually dry" wet clutch. The requirements for shift feel, torque capacity, friction coefficient stability and refinement are addressed by advanced materials.



Clutches can be supplied as a tested sub-system, as part of a mechatronic system, or as part of a transmission assembly.

Shift Actuators

Custom solutions in the design, development, testing, and assembly of shift actuator systems. Designed to minimize NVH and improve the responsiveness of the shifting action.