

ELECTRIC POWER STEERING

Advanced safety & performance with precise, predictable feel of the road

Choose Nexteer Electric Power Steering (EPS) for:

- **Superior Systems & Software Integration** on safety-critical electro-mechanical systems
- **In-House Ownership** of software, electro-mechanical design, testing and manufacturing
- **Product Range Adaptability** from small cars to heavy-duty trucks and light commercial vehicles
- **Advanced Development** for next-gen steering
- **Proven Experience & Product Reliability** in all segments and product technologies
- **Fast & Flexible** product development and customized solutions



SOFTWARE: ADVANCING EPS CAPABILITIES

As the industry migrates toward vehicle-level designs that are more defined by software rather than hardware, we're capitalizing on our software and electronics expertise to deliver advanced safety and performance features in safety-critical steering.

Nexteer's EPS software solutions enable advanced safety and performance capabilities, such as driver assist features, low FIT levels, cyber security and even customized steering feel that can be tailored to an OEM's brand.

STEERING SPECIALIST WITH DIVERSE EPS PORTFOLIO

Our full portfolio of steering technologies meets global OEM needs for everything from small cars to heavy-duty trucks and light commercial vehicles.



HIGH AVAILABILITY

Ensures the steering safety net is always on through intelligently optimized software designed for simultaneous, multi-path processing and hardware redundancies.



NEARLY CYLINDRICAL POWERPACK

Features our most compact, highest content design ever – a 10 FIT capable folded circuit board that enhances safety, cost savings and packaging space.



HIGH OUTPUT

Opens new hydraulic-to-electric conversion wave for heavy-duty trucks and light commercial vehicles – enabling advanced safety, comfort and fuel economy.



RACK ASSIST (REPS)

Designed for heavier vehicles to handle higher front-axle loads and optimize packaging space.



DUAL PINION ASSIST (DPEPS)

Enables the primary pinion to be optimized for vehicle dynamics and performance, while a secondary pinion is optimized for assist.



SINGLE PINION ASSIST (SPEPS)

Expands the range and flexibility compared to CEPS by integrating the electric assist mechanism into the primary steering gear pinion shafts.



COLUMN ASSIST (CEPS) BRUSHLESS & BRUSH MOTORS

Integrates the system electronics and assist mechanism with the steering column.

A KEY ENABLER ACROSS INDUSTRY MEGATRENDS



ELECTRIFICATION

Nexteer's underhood EPS systems (Rack and Pinion EPS) can support an electric vehicle's unique load requirements and accommodate electrified variants of current full-size trucks and SUVs.



SOFTWARE

As OEMs require steering systems with advanced safety and functionality, this demands complex software solutions like those found in our 10 FIT High Availability EPS system.



ADAS/AUTOMATED DRIVING

Our EPS systems enable many driver assist features used on the road today, such as lane keeping, park assist, traffic jam assist, cross-wind compensation, lane departure warning and more. For ADAS Levels 3+, low FIT steering systems, like Nexteer's 10 FIT High Availability EPS, are safety-critical.



MOBILITY AS A SERVICE (MaaS)

10 FIT Steering Systems, like Nexteer's High Availability EPS, is a key enabling technology for autonomous people and goods movers.