

2026/5/14
HKS Co., Ltd.

HKS to Exhibit at Automotive Engineering Exposition 2026 YOKOHAMA

— HKS aims to achieve even greater efficiency through both ICE evolution and electrification, contributing to an environmentally friendly mobility society. —

HKS Co., Ltd. (Head Office: Fujinomiya, Shizuoka, Japan; President: Daisuke Mizuguchi; hereinafter “HKS”) will exhibit at Automotive Engineering Exposition 2026 YOKOHAMA and Automotive Engineering Exposition ONLINE STAGE 1.

This year’s theme is: “Creating the Next Standard Through Proven Technology.”

Building on the proven technologies we have cultivated over the years, HKS will showcase suspension development and testing services, advanced piston technologies aimed at achieving even greater efficiency in internal combustion engines (ICE), production of replacement parts for classic vehicles, OEM development and contract manufacturing of high-value exhaust systems for heritage parts, as well as cooperative control technologies for series-type PHEVs designed for next-generation mobility.

By delivering technological innovation that goes beyond conventional customization, HKS supports vehicles cherished for years to come while striving to realize an environmentally friendly mobility society.



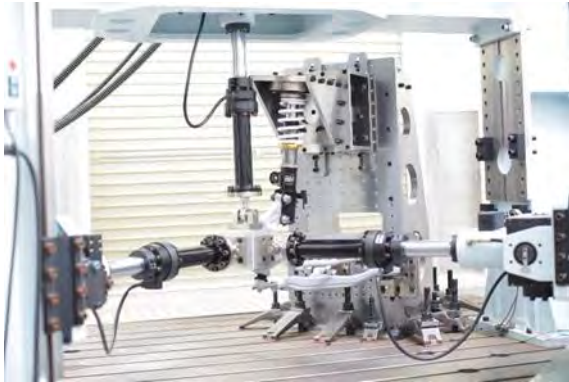
Planned Exhibit Booth

■ Major Exhibits

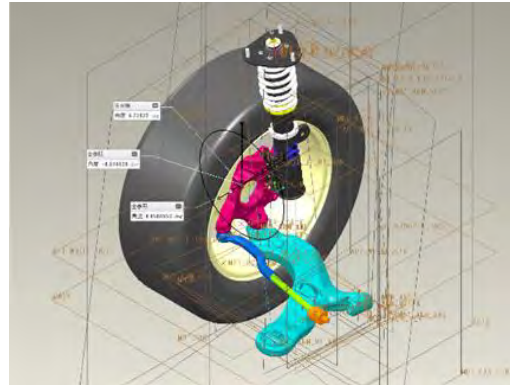
1. Contract Suspension Development and Component Testing Services

Leveraging technologies and expertise cultivated over many years, HKS offers contract design, development, and manufacturing services for OE-style shock absorbers and springs for automotive manufacturers and the aftermarket industry.

In addition, we provide contract testing services for various suspension components using two high-performance hydraulic test systems: a shock absorber test machine and a 3-axis suspension test rig. Our advanced development support includes 3-axis durability and fatigue testing that reproduces real-world driving load waveforms, as well as visualization and analysis of shock absorber internal behavior.



3-Axis Suspension Test Rig



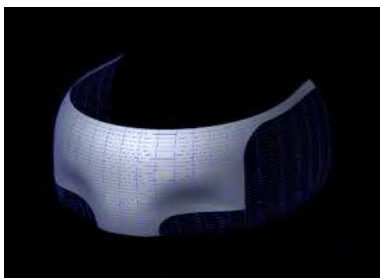
3D CAD Design, Test Fixture Design and Manufacturing

2. HKS's Latest Piston Technology (Under Development)

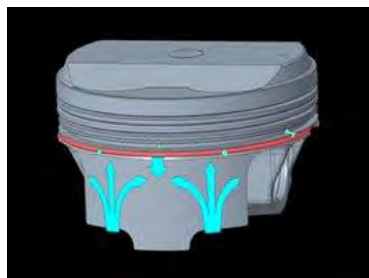
3D Profile Piston (3D PROFILE PISTON)

This technology applies micron-level 3D surface profiling to the piston skirt to achieve an optimal oil film distribution. By forming an appropriate oil film during the expansion stroke—where friction is at its highest—it contributes to reducing mechanical friction.

In addition, the design secures oil film formation during the initial piston upstroke while balancing both oil drainage and retention characteristics, further reducing friction inside the engine. This advanced technology contributes to improved engine efficiency and higher performance.



Enlarged Image of 3D Skirt Profile



Lubricating Oil Supply Image for Piston Skirt



Prototype Piston (3D Profile)

3. OEM Development and Contract Manufacturing of Replacement Parts for Classic Vehicles

Amid the growing classic and neo-classic car boom, HKS and its group company, Nissei Kogyo, offer production services for hard-to-source replacement parts for classic vehicles by leveraging advanced precision machining technologies.

We believe that preserving and continuing to drive classic vehicles is also a form of sustainability.

To address challenges such as “drawings still exist, but manufacturing methods no longer do” or “the original machining equipment is no longer available,” we revive components using advanced manufacturing technologies and equipment, including simultaneous one-chuck machining with state-of-the-art 5-axis multitasking lathes. HKS provides new solutions to support legendary vehicles of the past.



Replacement Parts Production for Classic Vehicles



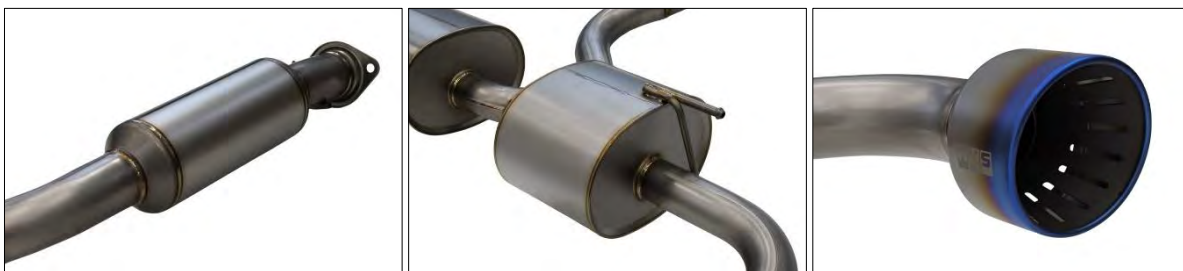
Nissan 310 Sunny (JCCA Competition Vehicle)

4. OEM Development and Contract Manufacturing of High-Value Exhaust Systems (Heritage Parts Support)

By combining exhaust technologies cultivated over many years with the latest manufacturing techniques, HKS offers OEM development and contract manufacturing of high-value exhaust systems as “heritage parts” for discontinued classic vehicles.

In addition to achieving OEM-equivalent quality and compliance with noise regulations, we can create premium exhaust systems that further enhance vehicle appeal through significant weight reduction using titanium materials, ultra-low exhaust back pressure achieved with our unique non-restrictive straight-through structure and optimized pipe diameters, and refined sound tuning that suppresses unpleasant cabin drone.

HKS contributes to automotive manufacturers’ heritage parts programs as a partner capable of adding new value to legendary vehicles of the past.



High-Value Exhaust System (Titanium Construction)

5. Cooperative Control System for Series-Type PHEVs (Under Development)

This control technology optimizes the “complex energy management” that is one of the greatest challenges in PHEV development. Using the development vehicle “HKS e-HIACE MULTI ENERGY CONCEPT,” it achieves seamless torque blending by coordinating engine power generation, motor drive, and regenerative torque during braking and coasting in millisecond intervals. The system also flexibly adapts to the varying payload conditions unique to commercial vehicles, aiming to deliver smooth

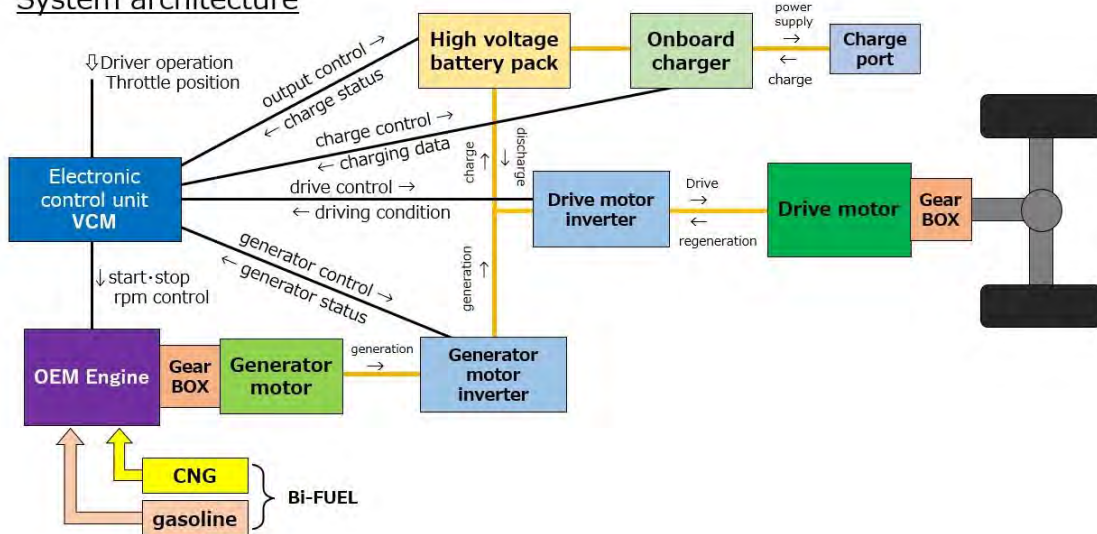
acceleration and deceleration without discomfort to the driver while maximizing both electric and fuel efficiency.

The control unit utilizes the “dSPACE MicroAutoBox III,” an industry-standard platform for automotive development. By developing the internal control logic entirely in-house, HKS has created a highly efficient and highly responsive architecture unrestricted by existing systems.



Development Vehicle : HKS e-HIACE MULTI ENERGY CONCEPT

System architecture



“MULTI ENERGY CONCEPT” Series-Type PHEV System Configuration Diagram

【Event Information】



Automotive Engineering Exposition 2026 YOKOHAMA

- Date: May 27 (Wed) – May 29 (Fri), 2026
- Venue: Pacifico Yokohama Exhibition Hall / North
- Booth No.: 370 (Exhibition Hall)
- Official Website: [Automotive Engineering Exposition 2026 YOKOHAMA Official Site](#)

Automotive Engineering Exposition 2026 ONLINE STAGE1

- Date: May 19 (Tue) – June 9 (Tue), 2026
- HKS Special Website: [HKS ONLINE STAGE1 Special Site](#)

【Company Profile】

- Company Name: HKS Co., Ltd.
- President: Daisuke Mizuguchi
- Address: 2266 Kamiide, Fujinomiya
- Established: October 1973
- Website:
 - [HKS Global Site](#)
 - [HKS Official Site](#)

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