




Message

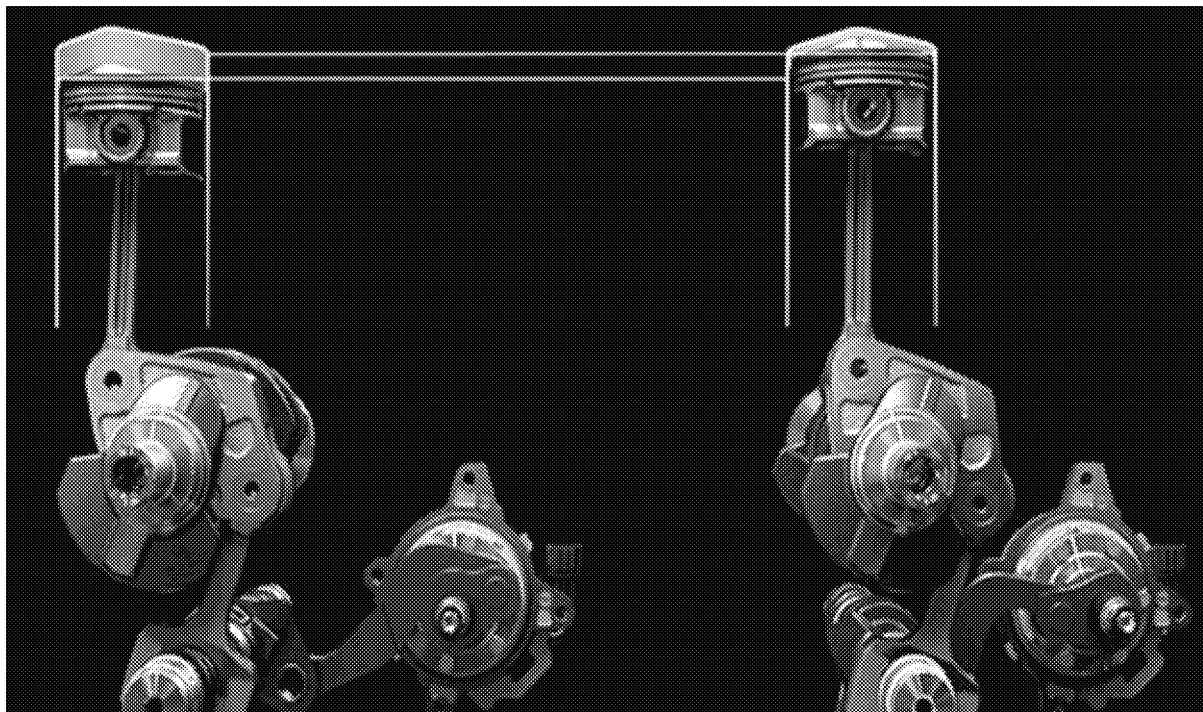
From: SAE International [editors@sae.org]
Sent: 6/6/2018 6:55:29 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
Subject: SAE Vehicle Engineering Technology eNewsletter June 2018

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SAE VEHICLE ENGINEERING TECHNOLOGY ENEWSLETTER



Nissan's new VCR engine: worth the effort?

The new 2019 Infiniti QX50 is the showcase for the industry's first production variable-compression engine. Two decades in development, it's a compelling but complex efficiency solution.

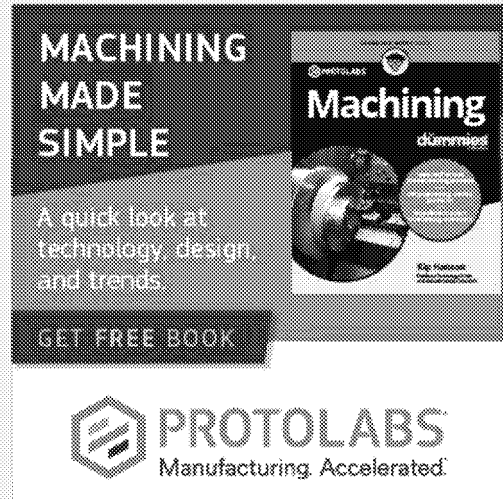
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Machining for Dummies

In "Machining for Dummies," you'll get a quick look at subtractive manufacturing processes like milling and turning. The book covers a range of topics spanning from equipment and tools to design and trends. Request your free copy now!

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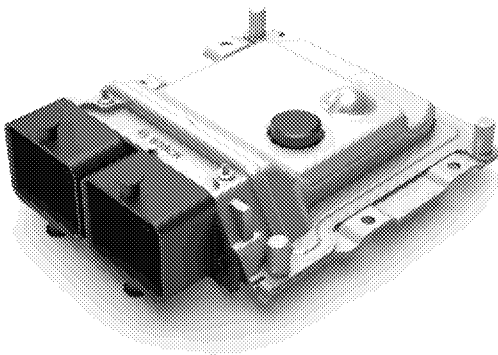
MACHINING MADE SIMPLE

Machining dummies

A quick look at technology, design, and trends.

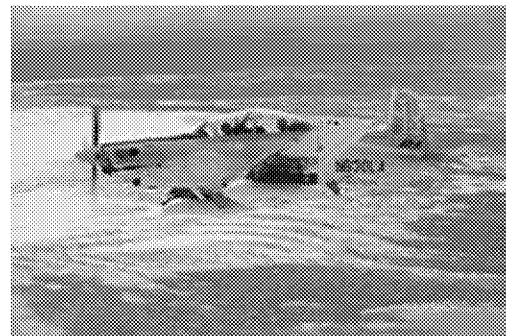
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Bosch stresses need for E/E architecture upgrade

Bosch VP of Commercial Vehicle and Off-Road believes the business cases for electrification and automation, especially in trucking, are extremely promising.



OA-X phase two kicks off

Test pilots began flying the Sierra Nevada-Embraer A-29 Super Tucano and Textron Aviation AT-6B Wolverine, kicking off phase two of the USAF Light Attack Experiment.

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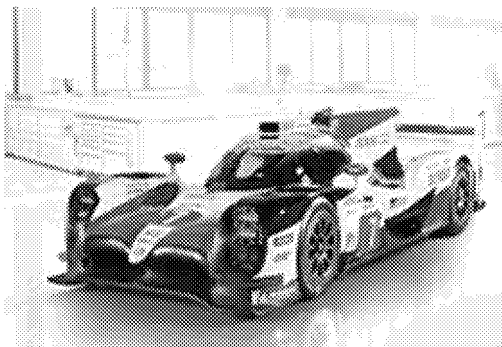
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Test Your Infotainment System with One Platform

Are you testing a range of RF signals, including radio, navigation, video, and connectivity? With Avera's Signal Tester, the AST-1000, you can generate all common radio signals, as well as simulate all common GNSS signals. Watch this demo video to learn how the AST-1000 helps you easily accommodate changing standards and new protocols for wide-ranging infotainment system test and validation needs.

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Le Mans 2018: can anyone beat Toyota's hybrids?

At the 2018 running of the 24 Hours of Le Mans, managing fuel consumption is vital for



Volvo CE pursues AI for operator-assist functions on path to full automation

Artificial intelligence-based technologies can increase the efficiency, safety, and quality of machines on worksites and ultimately help combat the operator

Prototype-class victory. Do the new privateers have a chance?

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shortage, says machine intelligence expert Dr. Fares Beainy.

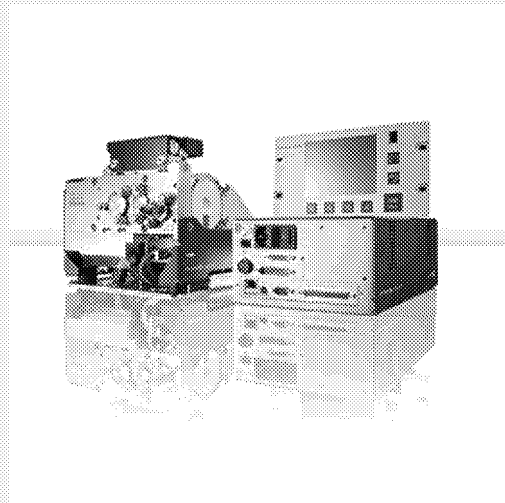
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Modular Leak Detector ASI 35

The Pfeiffer Vacuum ASI 35 modular leak detector is ideally suited for integration into semi/fully automatic assembly and test systems and provides the flexibility to position modules in the optimal position for speed, service and reliability. Highest sensitivity in both vacuum (5xE-12mbar.l/s) and sniffing (5xE-9mbar.l/s).

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NASA picks Lockheed to build low-boom X-plane

In April, NASA took another major step toward reintroducing supersonic flight with an award to Lockheed Martin Aeronautics Company to

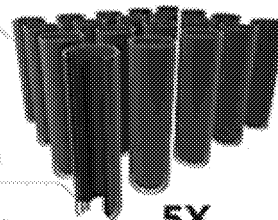
NAWA TECHNOLOGIES - ULTRA FAST CARBON BATTERY

VERTICALLY ALIGNED CARBON NANOTUBES

PROCESSED BY NANOFABRICATION PROCESS

MIXTURE OF CARBON AND GRAPHENE WITH A STRONG COATING

EXCELLENT OF CHARGING AND DISCHARGING IN SECONDS FOR UP TO ONE MILLION CYCLES



5X
MORE POWERFUL THAN
EXISTING ULTRA CAPACITORS

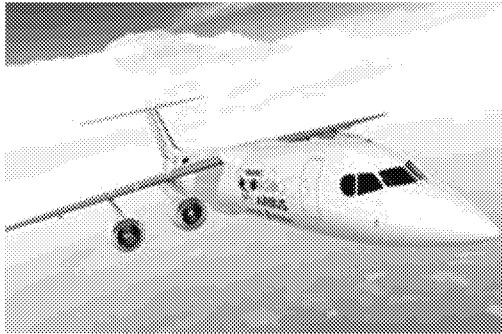
Nano-based ultracap tech boosts EV power density

Nano-based ultracap tech boosts EV power density.

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design, build, and test a supersonic aircraft to reduce sonic boom.

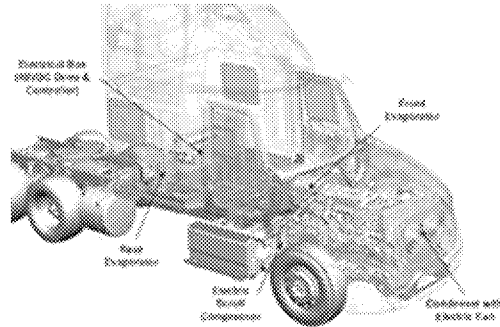
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Rolls-Royce and Superdielectrics explore supercapacitor technology

Rolls-Royce signs a collaboration agreement with Superdielectrics to explore the potential of supercapacitors using polymers with recently discovered hydrophilic properties.

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Navistar's latest SuperTruck features Emerson's electric HVAC

An innovative Emerson electric HVAC system provides more cooling capacity than the prior 48-volt system on Navistar's CataliST high-efficiency demonstration commercial truck.

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WEBCAST ALERT



Lowering the Risk of Transit Electrification with Informed, Model-Based Strategies

Wednesday, June 13, 2018

WEBCAST ALERT



Heavy-Duty Engine Design

Thursday, June 7, 2018

This Technical Webinar from the editors of SAE International looks at trends and advancements in heavy-duty engines.

In this webinar, experts discuss a comprehensive set of tools and services that help transit authorities determine the best electrification strategy for their city.

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Design the Future Conf.

June 19-20, Traverse City

Hear leading engineers and executives from Ford, Toyota, Mit D-Lab, and more. Plus the exclusive unveiling of Rivian's Electric Vehicle Underbody!

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