



2013

AUGUST
EDITION

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LETTER

Design engineers turn designs into reality. Without them, a great idea but nothing more than, well, a great idea.

MERCEDES-BENZ GLA CROSSOVER CONCEPT



Mercedes has unveiled the GLA concept Mercedes-Benz has unveiled its new GLA small SUV, hitting the web in concept form ahead of its Shanghai Auto Show debut. As expected, the compact crossover draws on the look of its A-Class platform mate, adding the usual SUV styling elements and meatier proportions to the mix.

While the GLA is a touch larger than the A hatch, measuring 4.38 metres long and 1.57 metres tall, both models ride on the same 2.69 metre wheelbase. In concept form, the GLA is driven by the same 155kW 2.0 litre turbocharged four-cylinder engine featured in the A 250 hatch and CLA 250 sedan, although a wider spread of options will likely come with its production debut.

SPYKER B6 VENATOR SPYDER CONCEPT

The name "Venator" is Latin for "Hunter," a nod back to Spyker's "Hunter" fighter aircraft of the early 20th century. The design of this compact, 2-door mid-engine sports car incorporates vintage cues of the brand's aviation past and bespoke materials.



The Spyker B6 Venator Spyder features an all-carbon fiber body mounted on an all-aluminum chassis, and is powered by a rear-mid-mounted V6 engine delivering 375+ bhp. Power to the rear wheels is transmitted through a six speed automatic transmission.



OPEL MONZA CONCEPT



The large gullwing doors allow easy entry and egress for front and rear-seat passengers.

The Monza Concept is a 4.69 meter long vehicle, with a very low stance (1.31 meters) and a shooting-brake rear section. The front end is characterized by a sculpted hood with the trademark center fold.



Inside, the cockpit continues the aesthetic theme of the exterior, with flowing surfaces and sweeping contours. The instrument panel features a sculpted dashboard that sweeps from door to door, and is used as a single projection surface. A total of 18 LED projectors create a continuous, adaptable multi-functional display, combining vehicle and infotainment information as well as customizable decorative elements.

FERRARI 458 SPECIALE

The 458 Speciale is an uncompromising sports car and includes a number of solutions applied for the very first time to an in-range car in the 458 Speciale. These include its advanced active aerodynamics, that will become a standard feature of all new Ferraris in the future. The engine is Ferrari's most powerful naturally aspirated V8 ever (605 cv) and features a specific power output of 135 cv/l, the highest ever achieved by a road-going naturally aspirated engine.



One of the most innovative features of the 458 Speciale is the Side Slip angle Control system (SSC) which makes it easier to achieve car control on the limit, thereby greatly improving driving emotions.



The exterior design was created by the Ferrari Styling Centre cooperation with Pininfarina, and was mainly guided by aerodynamic requirements. The 458 Speciale also scores the fastest response time (0.060 s) and highest lateral acceleration (1.33 g) ever achieved by a car in the Prancing Horse range.

AUDI REVEALS VIRTUAL CONCEPT FOR ENDER'S GAME SCI-FI MOVIE

Audi Design Team has developed the 'fleet shuttle quattro', a virtual concept car that will be featured in Summit Entertainment's film adaptation of "Ender's Game", the best-selling novel by American author Orson Scott Card.



This time the concept was created in purely digital form and seamlessly integrated into the futuristic environment of the film using the latest VFX technologies.

Chief designer for the film project, commented: "Designing the Audi fleet shuttle quattro was similar to customizing a tailor-made suit."

VOLKSWAGEN GOLF R

Volkswagen has revealed the new Golf R – the model line-up flagship with a 300 hp powertrain and increased efficiency.



The Golf R with a manual gearbox reaches 100 km/h after just 5.1 seconds (previous model: 5.7 s), while with the dual clutch gearbox (DSG) the sports car completes the classic sprint in an even faster 4.9 seconds. The exterior design is characterized by specially designed bumpers, side sills and 18-inch alloy wheels.

Inside, the Golf R underlines its position as the flagship of the model range with sport seats in a "fabric-Alcantara" material mix, leather-trimmed three-spoke sport steering wheel, ambience lighting, automatic climate control and a radio-CD system with touchscreen. The car's top speed is electronically limited to 250 km/h. Despite the car's exceptionally agile driving performance and 30 PS more power, fuel consumption of the Golf R was reduced from 8.5 to 7.1 l/100 km compared to that of the previous model.





AUDI A8



The wait for one of the country's biggest launches this year is now over as Ford has announced earlier, it has indeed launched its EcoSport MINI SUV with three engine options; a 1.0-litre petrol EcoBoost plus the 1.5-litre petrol and diesel motors that power the new Fiesta sedan. While the 1.0-litre EcoBoost engine develops a maximum of 125PS of power, the 1.5-litre petrol and diesel units put out 112PS and 91PS respectively.

To start with, there will be four variants of the news Ford EcoSport on offer, which, in order of features and prices, are Ambiente, Trend, Titanium and Titanium (O). With the compact SUV model now officially on sale.



AUDI A8

The turn signal lights of the new A8 will indicate the turning direction in an innovative way, which has the potential to significantly enhance traffic safety. That is because the lights provide a visual signal that can be clearly and quickly perceived, even at long distances and in poor visibility



Each of the headlights contains 18 light-emitting diodes arranged in a strip that is subdivided into seven blocks. Each tail light contains 24 LEDs in eight segments, which are used to dynamically indicate the turning direction. During flashing, the blocks are sequentially activated at 20 millisecond intervals, from the inside outwards in the desired turning direction. After 150 milliseconds, all segments are bright; for another 250 milliseconds they illuminate with full intensity. Afterwards, the turn signals go dark before repeating the lighting sequence.



AUDI A8

Considering their capabilities, the Audi Matrix LED headlights can be regarded as a cutting-edge innovation. In each headlight, 25 light-emitting diodes generate a highly variable high-beam light. When the on-board camera detects other vehicles ahead.



The Audi Matrix LED headlights mask the relevant sections of the high-beam by dimming or shutting off individual diodes. Very bright illumination is preserved in the remaining zones. The Audi Matrix LED headlights also feature navigation-based cornering lights and, in cooperation with the night vision assistant, a marker light that warns the driver of pedestrians in the dark and which also alerts the pedestrians.

PEUGEOT CYCLES REVEALS AE21 HYBRID BIKE

Peugeot Cycles division has presented the compact AE21 Hybrid Bike, a production version of the eDL122 concept bike.

The ebike features an electric motor located in the front wheel, which makes it perfect for effortless, quiet and clean urban use. It is powered by a compact Lithium-ion battery, integrated into the frame.

It maintains the general look, compact proportions and main features, while some of the distinctive elements of the concept – like the cables totally concealed inside the distinctive handle bars.

As in the concept, the battery is locked in place and can be recharged directly in the bike or removed for recharging at home.



PEUGEOT CYCLES REVEALS AE21 HYBRID BIKE

The ebike is based on the 'Clever Case' frame, which is made of lightweight and hardwearing aluminum and accommodates the battery, a laptop bag.



A high quality ABUS Bordo folding lock to ensure the everyday protection of the bike. Its compact dimensions and folding handlebars and pedals, the AE21 can be easily stored against a wall of an apartment.

"By placing the storage at the center of the bike your laptop and documents are protected from theft and assist the bike's dynamics and balance so that it is always fun to ride."

LAMBORGHINI LOGO MEANING



Automobili Lamborghini S.p.A., more commonly known as Lamborghini, is an Italian automobile manufacturer of luxurious sports cars, world-renowned for creating high-performance, classy, high velocity sport cars.



The Lamborghini logo was created taking inspiration from Taurus (bull), the zodiac sign of the founder of the company. Ferruccio Lamborghini's passion for the bullfighting sport is also reflected in the logo. Most of the Lamborghini car models are named after famous bulls.

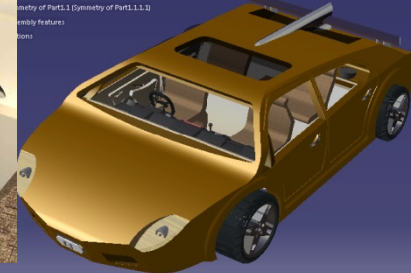
Shape of the Lamborghini Logo:

The Lamborghini logo depicts coat of arms and demonstrates a gold snorting bull on the front. The bull represents consistency, power and fortitude. The logo possesses immense recognition globally.

STUDENT'S CORNER



News from DAuto Family



Underneath
View

The car imagined and designed by : Pushpendra Jhariya, SAIT JBP on design tool CATIA V5.

STUDENT'S CORNER



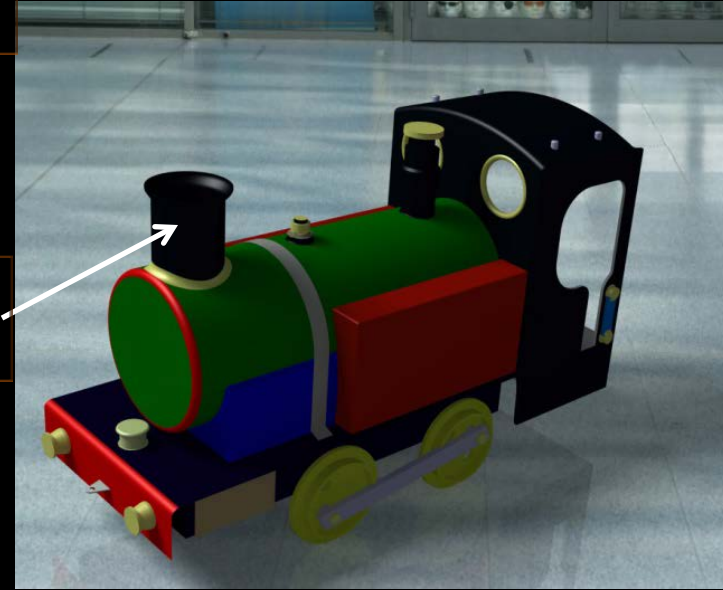
By : Rohit Prasad
(UIT Bhopal)

By : Rohit Khatri
(GGITM Bhopal)



By : Avinav Shukla
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All these 3D designs has been prepared and envisioned students of DAuto CAD School during the period of Software Training.

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