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DAuto
NEWS
LETTER

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

BMW i8: THE DESIGN



BMW designers have maintained the "black belt" which emerges in a "V" shape from the hood and extends back over the roof into the rear section of the car, where it frames the centre section of the rear apron.

Following the recent unveiling of the i3, BMW has now presented the production-ready version of the i8, the advanced 2+2 sportscar featuring a plug-in hybrid drive system, a passenger cell made from carbon-fibre reinforced plastic (CFRP) and an aluminum frame. The aerodynamic exterior design (Cd: 0.26) is strongly based on the i8 Concept revealed in 2011, in turn derived from the 2007 Vision Efficient Dynamics, with its distinctive surface treatment made of overlapping and interlocking forms and characterized by the layering principle.



THE NEW PEUGEOT 308

The new Peugeot 308 is based on the new EMP2 modular platform, has relatively compact dimensions (length: 4.25; height: 1.46m), a reduced weight (-140kg), a spacious interior and a particularly large luggage capacity of 470 liters. The new Peugeot 308 will be available at launch with a choice of five gasoline and HDi diesel engines.



The front "feline" expression is defined by the strong lighting signature made by the slim full-LED headlamps, chiselled like a piece of jewellery.

THE NEW PEUGEOT 308



The rear end features the three Peugeot 'claws', drawn by the rear LED lamps.

The interior is characterized by the new i-Cockpit minimalist design inspired by the SR1 Concept. It consists of a compact steering wheel, an elevated instrument panel for easy reading over it, a high center console and a 9.7" touch-screen that integrates many controls.



Among the onboard active safety systems are Blind Spot Monitoring, Dynamic Cruise Control, Emergency Collision Alert System and Emergency Collision Braking System. Full LED headlamps – a new feature for the C-segment – are standard on the higher trim level models.



AUDI A3 CABRIOLET

The convertible version of the new-generation A3 features increased dimensions and a rear end derived from the sedan.



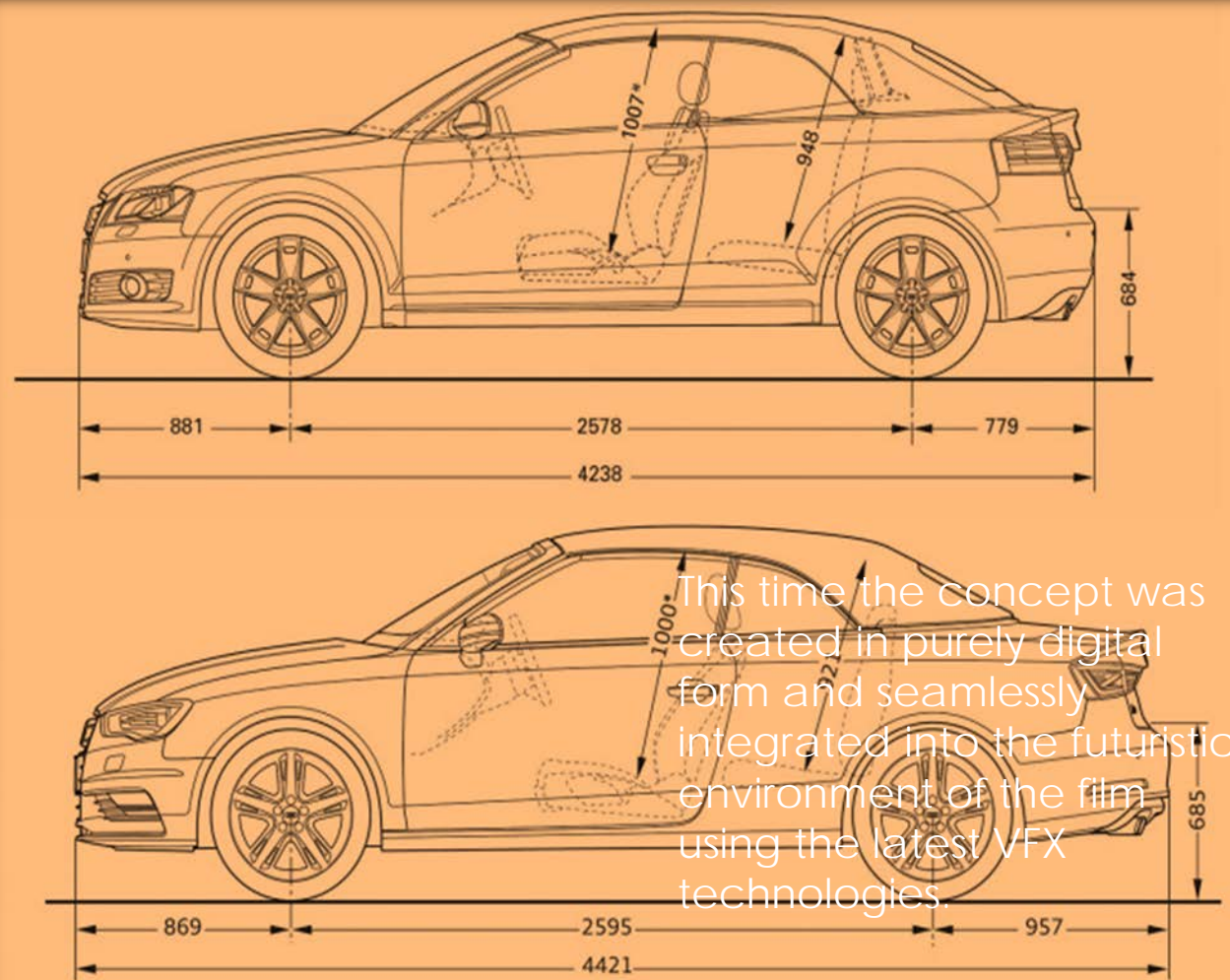
The design is derived from the hatchback/sedan versions: the front end has the same lines, with the prominent Single frame radiator grille, the flat headlights and the air intakes in the bumper.

The soft cloth top is stretched over a lightweight kinematic mechanism made of magnesium-steel. It can open or close electro-hydraulically in less than 18 seconds, even while driving up to 50 km/h (31.07 mph). In the opened state, the top – folded into three layers – rests in a tray that barely affects luggage capacity.

AUDI A3 CABRIOLET

The new Audi A3 Cabriolet has increased dimensions: its length increased from 4.24 to 4.42 meters (13.91 to 14.50 ft), its wheelbase from 2.58 to 2.60 meters (8.46 to 8.53 ft) and its width from 1.77 to 1.79 meters (5.81 to 5.87 ft).

At the same time, the height has been reduced by 15 millimeters, contributing to a more sporty look and stance. the main exterior difference is the increased rear overhang, which has been extended by 178 mm. The rear volume adopts the same design elements and arrangement of the A3 sedan.



AUDI A3 CABRIOLET

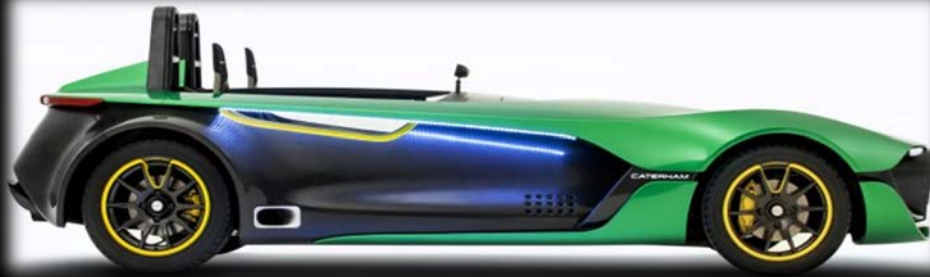
The soft top has a glass rear window and is offered in Black as standard. A fully automatic acoustic top is available as an alternative; it has a thicker inner foam layer which reduces the interior noise level.



The acoustic top is available in the three exterior colors of Black, Gray and Brown, and its roofliner is available in black and lunar silver. An active rollover protection system protects the occupants in case of a rollover accident. It consists of two spring-loaded plates that are recessed into the body.

CATERHAM AEROSEVEN CONCEPT

The AeroSeven Concept is based on an evolution of the Seven CSR platform and was developed with methods used by the F1 team.



The exterior design is based on the combination of different layers: the top, body-painted half stretches above the underlying body panels in exposed carbon-fiber, while at the front a lower wing visually balances matches the shapes of the hood. **The** AeroSeven is equipped with a Euro 6 compliant Ford Duratec-based engine delivering 240ps (237bh, which allows the sportscar to sprint from zero to 100kph in under 4 seconds. Power is transferred to the rear wheels via a 6-speed manual gearbox.

The radical design is enhanced by the absence of door cutlines and windshield, which lend the AeroSeven a distinctive uncluttered look - interrupted only by the rear, vertical roll-bars.

CITROËN CACTUS CONCEPT

The Cactus Concept is defined as "a manifest of the future models in the C line". The core values upon which the vehicle was designed are desirability, user-friendliness, pragmatic design, comfort and easy-to-use technology. The design is characterized by soft, rounded forms that stay away from any form of aggressiveness.



The most distinctive elements are the so-called "Airbumps", customizable components covered with a soft skin featuring air capsules that protect the body from the frequent scratches and dents typical of cities with congested traffic. In line with the vehicle's themes and purposes, the powertrain is a Hybrid Air system with low running costs and reduced environmental footprint.

TESLA MOTORS BUILDS ONE OF THE WORLD'S SAFEST CARS

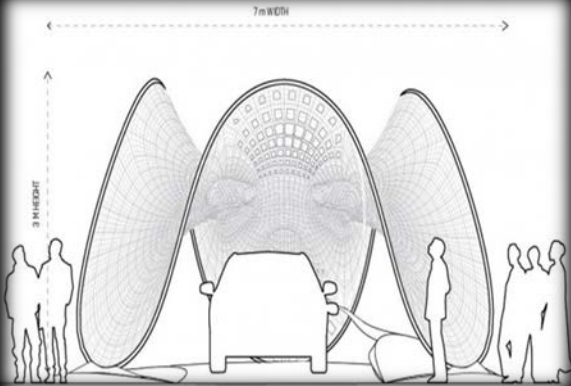
Tesla Motors builds one of the world's safest cars out of cheap, lightweight metal in a factory."The model S" the Model S achieved the highest crash safety rating ever from the National Highway Transportation Safety Administration(NHTSA).



Specifications : Lightweight aluminum body reinforced with high strength, boron steel elements UV and infrared blocking safety glass windshield Rain sensing, adjustable speed windshield wipers Frameless, tempered safety glass front windows Solar absorbing, laminated safety glass rear window with defroster Eight airbags: head, knee and pelvis airbags in the front plus two side curtain airbags Driver and front passenger seat sensors Driver seat position sensor Three point driver and front passenger safety belts with retractor pretensioners and secondary lap anchor pretensioners and load limiters Three point second row safety belts for all three seats

SDA DESIGNS PAVILION FOR VOLVO'S NEW HYBRID ELECTRIC

Los Angeles-based architecture SDA, has recently won an international competition to design a rapidly deployable pavilion to showcase Volvo's new plug-in electric hybrid, the V60.



Volvo's "Switch to Pure Volvo" competition, organized by international architecture magazine THE PLAN, called for an innovative and original design for a temporary pavilion that expressed a "strong and creative identity" to showcase the car at fairs and open air presentations in Italian squares. SDA emphasized the qualities of dynamic form, interactivity, visual impact, functionality, and efficiency to create a novel temporary structure that while iconic also offers high-performance. The design integrates structure, form, and performance by utilizing a continuous organic form composed of HDPE mesh fabric with integrated photovoltaic panels tensioned over carbon fiber rods. In fact, the digitally designed contours of the mesh fabric are what bend the rods into their curvy forms. The result calls to mind the image of an elegantly diaphanous orchid.

PEUGEOT CYCLES REVEALS AE21 HYBRID BIKE

Designed in partnership with Italdesign Giugiaro, the Nanuk quattro Concept evolves the design of the recent Parcour show car adding an Audi-like flavor.



The exterior evolves the shapes of the original show car, maintaining the general idea and proportions, and integrating some of the trademark Audi styling cues. The Nanuk also leaves out some of the concept-esque elements in favor of more production-ready solutions.

The all-new face features LED headlights with square-shaped units and a prominent hexagonal grille, very similar to that of the Sport quattro Concept, while the twin LED tail lamps at the rear and the vertical sideblade reminiscent of the R8.

ALFA ROMEO logo meaning



Alfa Romeo badge is actually the coat of arms of the city of Milano. Milano is the city where the corporation began and the location of its headquarters, to date. The emblem is divided into two halves with a vertical line: a snake on the right and a cross on the left. These were the symbols of the two families that ruled Medieval Milan. The badge is based on the Red Cross on a white background of Milan and the coat of arms of the Visconti family.

STUDENT'S CORNER

News from DAuto Family



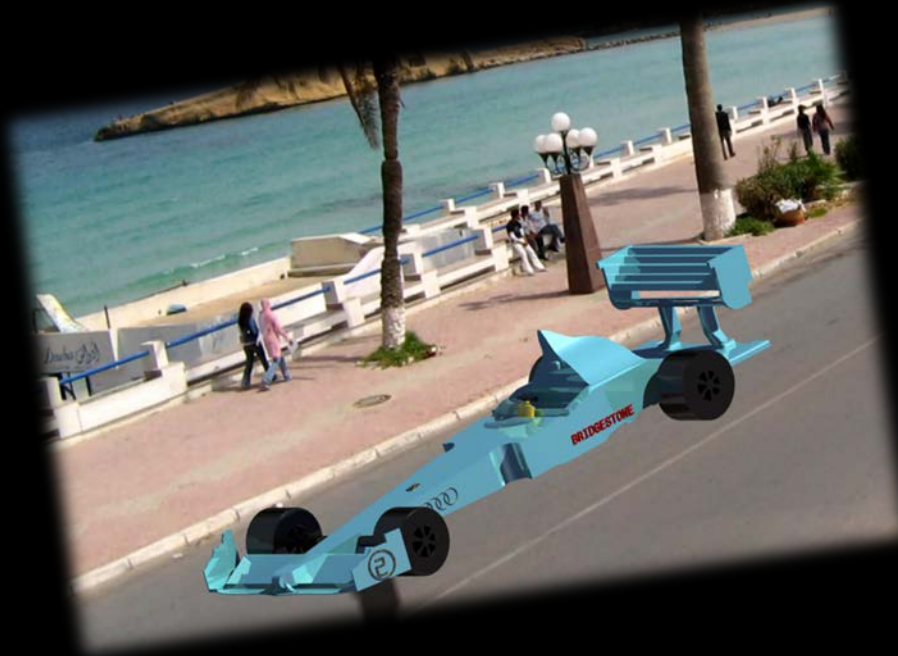
Laptop
Arun Peri
JEC Jabalpur
Design
Tool:UG NX



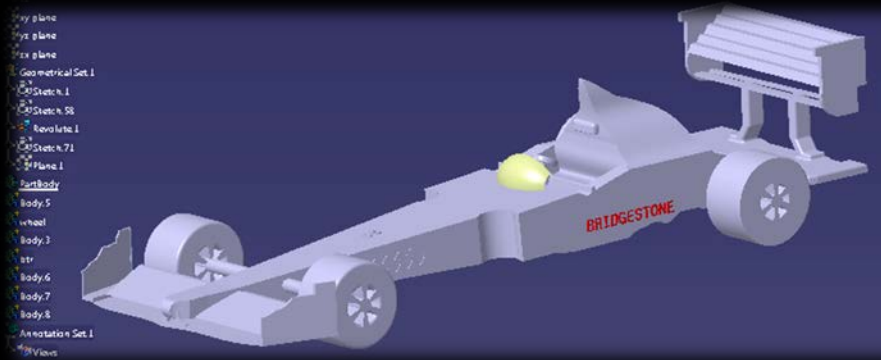
Students of DAuto CAD School during the period of Software Training on CATIA V5.

For more info.9752006008/ 9981500100 E-mail us at: training@dauto.co.in

STUDENT'S CORNER



News from DAuto Family



This Racing Car and imagined contrive have been prepared and envisioned by Avinash Pandey (BCE, Mandideep) students of DAuto CAD School during the period of Software Training on CATIA V5.

Students of DAuto CAD School during the period of Software Training on CATIA V5.

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