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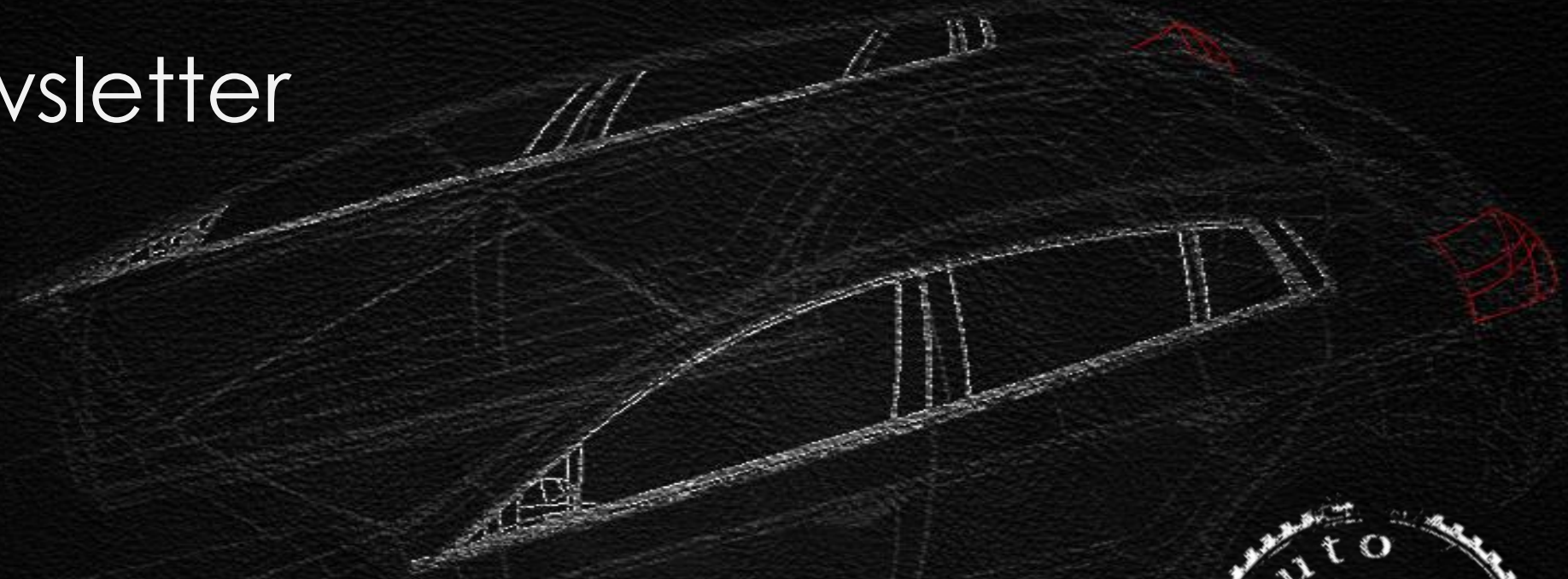
DAuto Engineering Private Limited

2015
DAuto Newsletter

JULY Edition



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

Concept Cars on Auction: 2005 Lamborghini Concept S

Designed by Luc Donckerwolke, the Concept S was a radical open-top interpretation of the Lamborghini Gallardo.

Among the original design features were the saute-vent windscreens, re-designed in the drivable vehicle for homologation reasons. The Concept S has travelled 180 km and is equipped with a 5.0 liter V8 engine.

Concept Cars on Auction: 2005 Lamborghini Concept S

The car was unveiled as a static model at the 2005 Geneva Motor Show: the successful reaction led Lamborghini to build a working prototype that made its debut at the 2006 Concorso d'Eleganza Ville d'Este.

Lexus LF-SA Concept

Developed by Lexus' ED2 European design studio, the LF-SA Concept is a study of an ultra-compact (sub-B-segment) urban 2+2 model.

The LF-SA Concept is a driver-focused vehicle, reflecting Lexus's vision that in a future world where technology and virtual experiences are expected to hold more sway, the real driving experience could become the ultimate luxury.

Audi develops Lunar Moon Rover for Google's Lunar XPRIZE

Audi is providing wide-ranging assistance in testing, trials and quality assurance.

Audi is supporting a team of German engineers working in the Google Lunar XPRIZE competition to transport an unmanned rover onto the moon, providing a number of technologies, from the Quattro transmission to piloted driving. In addition, the Audi Concept Design Studio in Munich is revising the rover, which will be named the "Audi lunar Quattro," to ensure ideal lightweight construction conditions.

Divergent Micro factories' Blade supercar showcases 3D printed frame

Divergent Micro factories is developing innovative approach to auto manufacturing that incorporates 3D printed aluminum joints in the frame manufacturing.

The Node solves the problem of time and space by cutting down on the actual amount of 3D printing required to build the chassis and can be assembled in just minutes.

In addition to dramatically reducing materials and energy use, the weight of the Node-enabled chassis is up to 90% lighter than traditional cars, despite being much stronger and more durable.

The prototype has a total weight of approx. 1,400 pounds, and is powered by a 700-horsepower bi-fuel engine that can use either compressed natural gas or gasoline. It enables a 0-60 time of about two seconds.

Terrafugia unveils new design for TF-X flying car

Terrafugia has presented the new design of the TF-X, the four-seat, vertical takeoff and landing (VTOL) hybrid electric aircraft, styled by designer Vedran Martinek.

"It will serve as an example of what designers are capable of when they are cut loose, no holds-barred. A fantasy car in every sense of the word,"

The TF-X is the evolution of the company's Transition aircraft, presented in 2013. Compared to it, it introduces two electric pods for vertical landing and showcases a more streamlined, integrated design.

Terrafugia unveils new design for TF-X flying car

Based on the new OML, Terrafugia also developed a one-tenth scale wind tunnel test model, which is currently on display at EAA's Air Venture in Oshkosh, WI.

The wind tunnel test model will be used to measure drag, lift and thrust forces while simulating hovering flight, transitioning to forward flight and full forward flight.

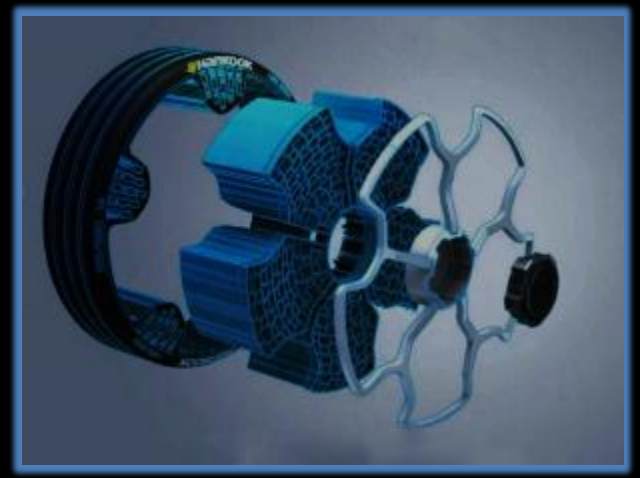
The model will be tested at the MIT Wright Brothers wind tunnel, the same tunnel that was used to test the Terrafugia's Transition.

Hankook announces advances in airless tires development

Hankook Tire has announced the completion of the first ride and handling tests for its non-pneumatic tire (NPT) iFlex, made using eco-friendly materials.

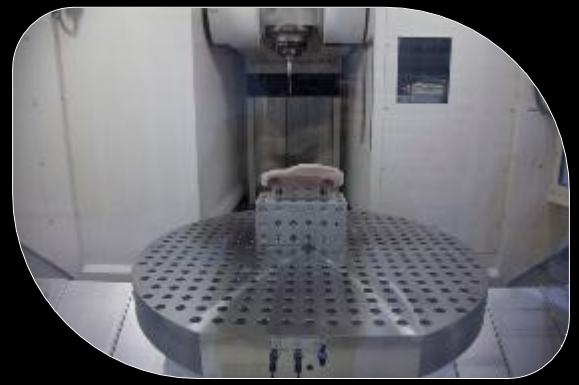
The company put the iFlex through a serious of tests designed to push the tires to their limits in five categories: durability, hardness, stability, slalom (zigzag) and speed. In the speed test, the electric car equipped with iFlex tires reached 130km/h.

As the company reports, "the impressive results in all five categories demonstrated that the NPTs could match conventional tires in terms of performance."



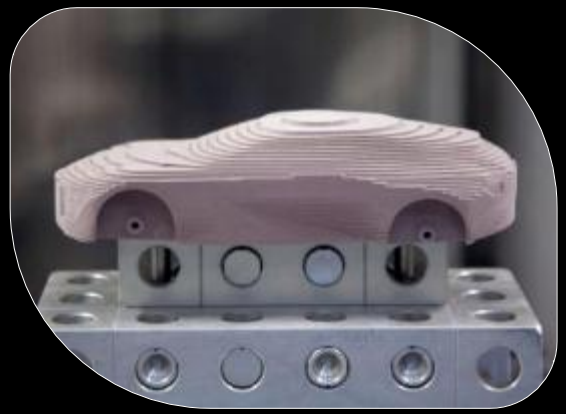
Based on a research started back in 2011, the NPTs – as their name suggests – do not require air pressure and would potentially allow all of the practical benefits of conventional air pressure tires while simultaneously enhancing their high speed tire characteristics.

Opel Design Center gets high-tech milling center



High-speed milling is a technological innovation that reduces the development time of vehicles considerably. Design models can be produced in various scales in a relatively short space of time, allowing the proportions and design elements to have their full impact.

Opel has announced a five million Euros investment for its Rüsselsheim Design Center, including a new high-speed milling center for the development of design concepts and production models.



LOTUS UNVEILS THE 3-ELEVEN, ITS QUICKEST PRODUCTION CAR EVER

At the 2015 Goodwood Festival of Speed Lotus has presented the 3-Eleven, a radical track-focused open sportscar with a 450hp V6 engine and a minimal, sculpted exterior.

Designed as the pure expression of the Lotus spirit, the 3-Eleven will be available in two variants: Road and Race.

The new Lotus 3-Eleven will enter production in February 2016. Production will be limited to just 311 vehicles in total.

The 3-Eleven has a dry weight of below 900 kg (Race version), with a power-to-weight ratio in excess of 500 hp per ton, and is capable of sprinting from 0-60 mph in less than 3.0 seconds and reaching a top speed of 174 mph (280 km/h) for the Race version and 180 mph (290 km/h) for the Road version. Based on the Road version, the Race includes a more aggressive aero kit, a sequential gearbox and an FIA approved driver's seat with a six-point harness.

Alfa Romeo reveals the all-new Giulia sedan

The all-new Alfa Romeo Giulia has been unveiled to the international media on the 105th anniversary of the founding of A.L.F.A. (Anonima Lombarda Fabbrica Automobili) at a special event in the newly-refurbished Alfa Romeo Museum – "La macchina del tempo" – in Arese, Italy.

The new Giulia embodies the core elements of the Alfa Romeo brand: from the sporty, Italian-flavored design to innovative powertrains, balanced weight distribution and high weight-to-power ratio.

Achievement Gallery

DAuto Training Yield

CLIC-ITI

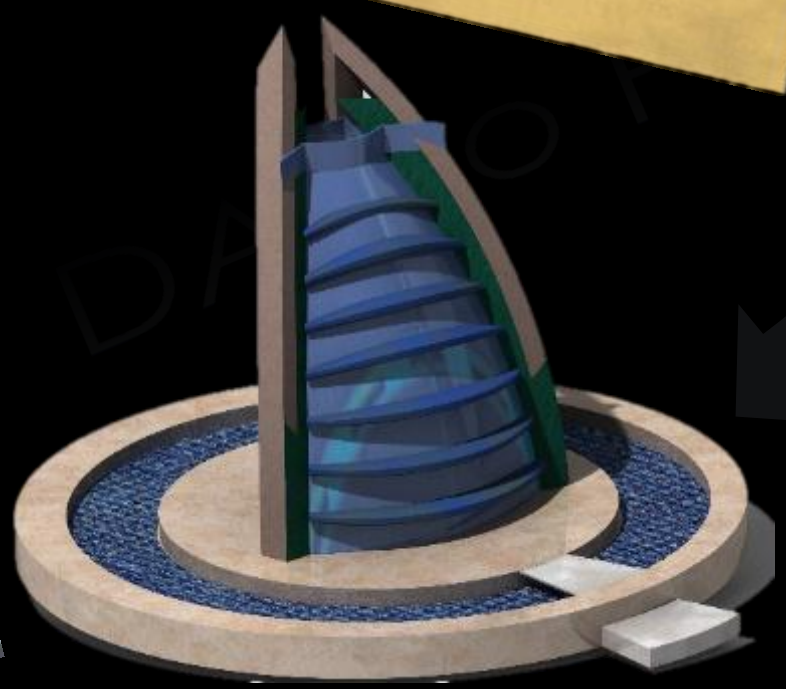
Collaborative learning and Innovation Center

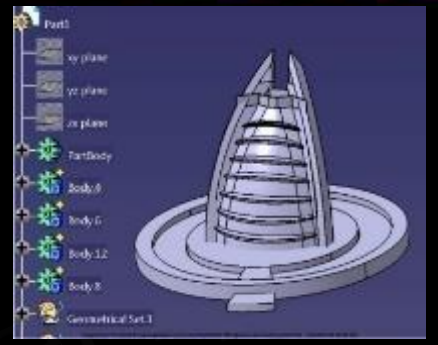
Training
Learning
Achievements
Placements
Of
ITI Students

Three of the DAuto-Clic-ITI students Got placed in abroad and were appreciated at different Moments.

STUDENT'S CORNER

Designed by
Gaurav Jadhav
(Model ITI, Bhopal)
On CATIA V5





DAuto Training Yield

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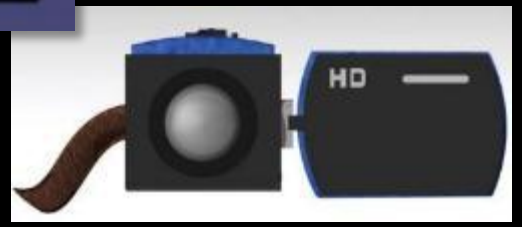
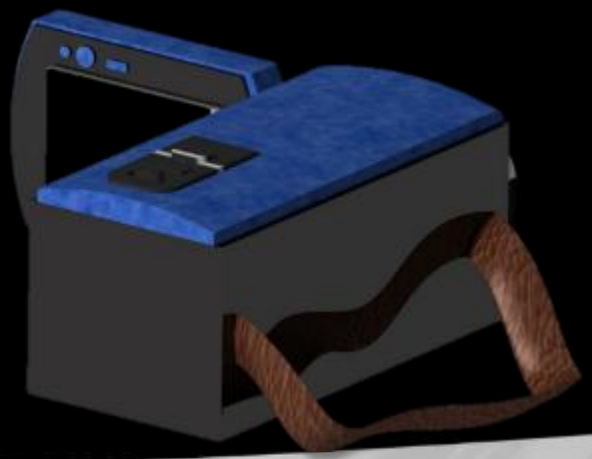
Designed by
Teerth Sahu
(Model ITI, Bhopal)
On CATIA V5





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