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The Middle East's First Automotive, Tires and Parts Magazine.



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**Andy Keeling**

Director of Operations, Ferrari World Abu Dhabi.

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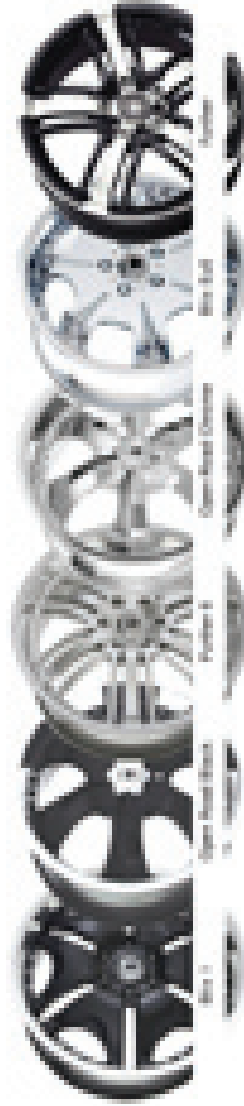
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**WHEELS**  
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Fax : +852 4 307000

**Publisher**  
Hamid Moaref

**Editor**  
Ali Reza

**Sub Editors**  
Sonja Baikogli  
Sherry Chen

**Sales & Marketing**  
Ahmad  
Aji

**Design**  
Shabeer Azeez

**Circulation Assistants**  
Ansar  
Ali akbar  
Sasi Pillai

**Contributors**  
Peter Baikogli  
Arezou Marzara  
Farsh Shafikhani  
Kristen Koulic

**Media Representative for  
Taiwan, Hong Kong and  
China**

P. Sean Mulvihill,  
International Relations  
Department, Worldwide  
Services Co., Ltd.  
11F-2, No. 540, Wen Hsin  
Road, Section 1,  
Taichung, 408,  
TAIWAN.  
Tel.: +886-4-2325-1784

**Distributor**  
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+971 4 2270096

hamid@tirespartsmag.com  
www.tirespartsmag.com

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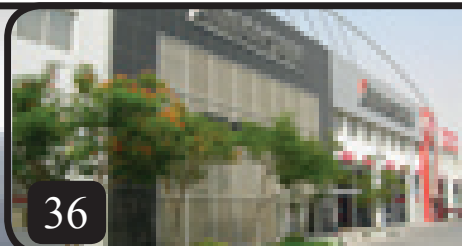
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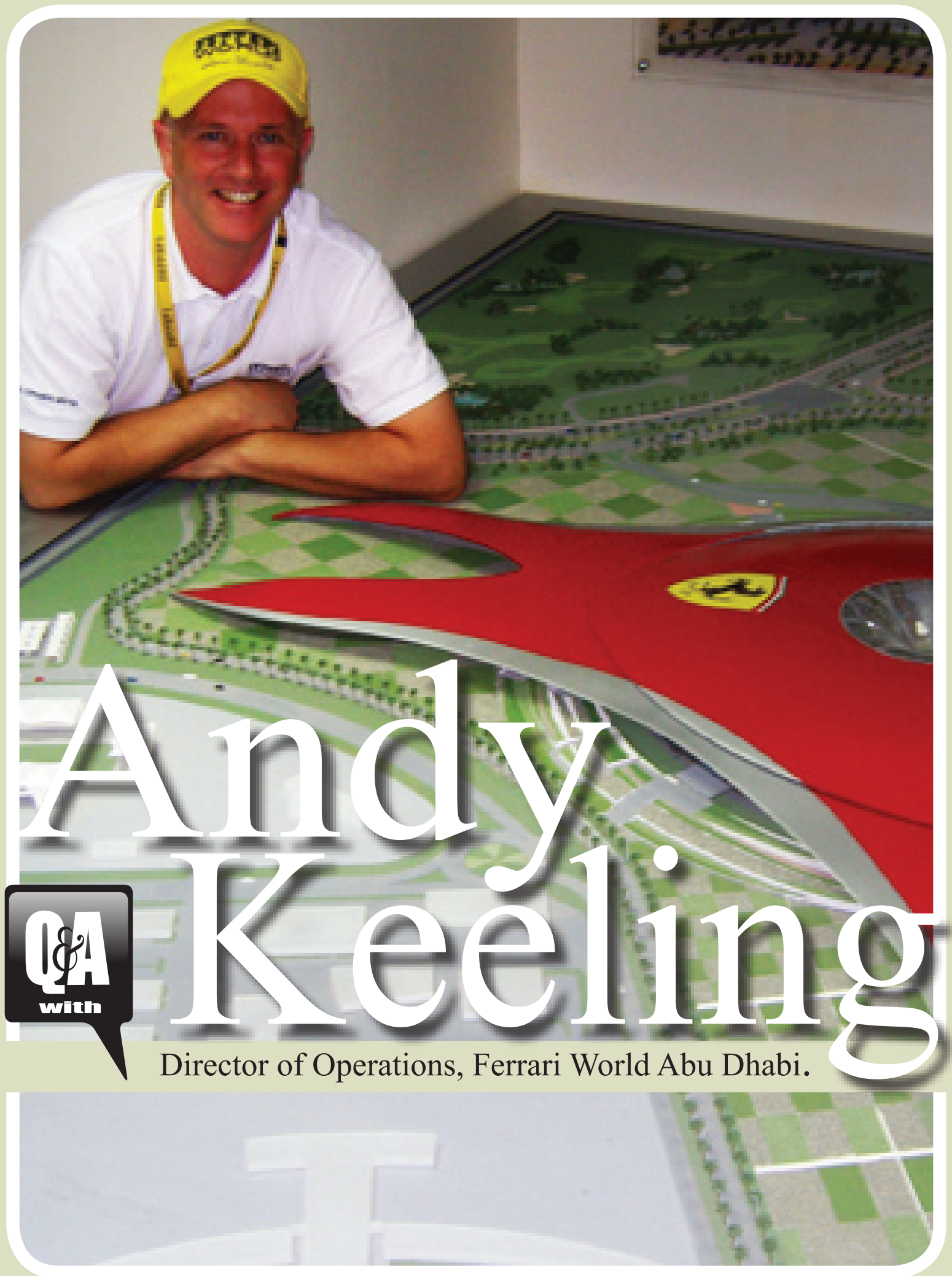
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# Andy Keeling

Director of Operations, Ferrari World Abu Dhabi.





### **What is Ferrari World Abu Dhabi?**

Ferrari World Abu Dhabi, set to open in the second half of 2010, is the world's first Ferrari theme park and largest attraction of its kind. It will be an intense multi-sensory experience and a must-visit for enthusiasts, fans and families. Ferrari World Abu Dhabi pays tribute to the passion, excellence, performance, technical innovation that Ferrari has established over the years and represents today. The Park will host a number of attractions, including rides for children of all ages, a wide variety of Italian delicacies, and of course unique shopping experiences.

### **What rides will Ferrari World Abu Dhabi feature?**

There will be over 20 state-of-the-art attractions at Ferrari World Abu Dhabi, each designed to bring to life a different part of the Ferrari story. This includes the world's fastest rollercoaster, travelling at speeds exceeding 200 km/h, emulating the thrilling sensation of being in a Ferrari F1 car, and the G-force experience taking passengers on an adrenaline-pumping ride up over 62 m, through the roof and back down again.

### **How big is Ferrari World Abu Dhabi?**

Ferrari World Abu Dhabi's iconic sleek red roof is directly inspired by the classic double curve side profile of the Ferrari GT body, spanning 200,000 m<sup>2</sup> and carrying the largest Ferrari logo ever created. The indoor enclosed space (area accessible to the general public) will be 86,000 m<sup>2</sup>.

### **Where exactly is Ferrari World Abu Dhabi?**

Ferrari World Abu Dhabi is located on Yas Island - set to become a global tourist destination with a wide range of accommodation and entertainment facilities - on the North East side of Abu Dhabi's mainland, a 10-minute drive from the Abu Dhabi International Airport, 30 minutes from the city of Abu Dhabi and 50 minutes from Dubai.

### **Why Abu Dhabi?**

Located at the crossroads between Europe, Asia and Africa, Abu Dhabi is the ideal location to build Ferrari World Abu Dhabi. Motor sports are extremely popular in the United Arab Emirates. Ferrari World Abu Dhabi will offer enthusiasts, fans and families the opportunity to experience Ferrari in a unique and intensely fun way.

### **Who is Ferrari World Abu Dhabi owned by?**

Ferrari World Abu Dhabi is owned by Aldar Properties PJSC, Abu Dhabi's leading property development, management and investment company.

### **What is Ferrari's involvement in the project?**

Ferrari is closely involved in all aspects of the Park. Ferrari's key principles of excellence and performance in the context of technological innovation underpin every aspect of the project.

### **Who is responsible for the operation of Ferrari World Abu Dhabi?**

Farah Leisure Parks Management L.L.C, a joint venture between Aldar Properties PJSC, the leading Abu Dhabi-based real estate developer and ProFun Management Group Inc., an international leisure facilities management and operating company, will be responsible for managing and operating Ferrari World Abu Dhabi.

S

portservice Lorinser is one of the top addresses for the exclusive refinement of Mercedes automobiles. The company located in Waiblingen in Southern Germany once again confirms this with the new Mercedes E-Coupé

(Model C207). An entire tuning program is available and renders the two-door car an even more dynamic and significantly more individual mark.

Sporty elegance is the hallmark of the Lorinser aerodynamics set: The stylishly adjusted components of the front bumper with the integrated LED daytime running lights and the new radiator grill form the front of the Lorinser E-Coupé into a dynamic center of attention. Moreover, the roof- and rear lip and the rear bumper add-on part in diffuser look harmonise congenially. The dynamic appearance is perfected by the new side skirts. The earthy and impressive sound stems from the Lorinser sports exhaust system. The stainless steel rear muffler with its edged dual tailpipes perfectly integrates into the newly designed rear section. But Lorinser does not only focus on a powerful sound. Optimised engine control units for performance increase are currently in preparation.

The light-alloy wheels program is impressive in terms of its dimension and selection. No matter if you are looking for something dynamic, luxurious or noble - Lorinser offers varying wheel designs and sizes. The latest development is the one-piece 20-inch light-alloy wheel RS9. The light-alloy wheels are especially emphasised by progressively winded suspension springs which lower the E-Class Coupés' center of gravity by 30 millimetres at the front and rear axle. For models with serial Airmatic, Lorinser developed a set for manual lowering.

Following the style of the traditional brand Mercedes which puts large emphasis on comfort, elegance, but also sportiness in the interior, Sportservice Lorinser offers unobtrusive interior applications. Aluminium pedals and an instrument cluster with a scaling of up to 330 km/h accentuate the car in a dynamic way. Another elegant touch is rendered by the floor mat set with leather lining and embroidered Lorinser emblem as well as the illuminated door sills.

# Dynamic and inno

## The Lorinser refin





# design vative technology

g program for the Mercedes E-Coupé



# New Bentley Continental Supersports Convertible

## FlexFuel technology now standard across Continental model range

The Continental Supersports Convertible further strengthens Bentley's supercar range, following the introduction of the Continental Supersports Coupé in 2009. The new Supersports Convertible, with the same 630PS (621bhp/463kW) twin-turbocharged W12 engine, is the fastest, most potent drop-top Bentley has ever built, offering the ultimate Bentley driving experience in the world's most dramatic convertible. The inspiration for the 'Supersports' name is the 1925 Bentley Supersports, a race-bred version of the iconic Bentley 3-litre, that delivered 85bhp when more ordinary cars were equipped with a modest 15bhp. It was also the first production car to reach 100mph – extreme performance in its day.

The new, muscular four-seat Supersports Convertible is unmistakably Bentley in its design and craftsmanship but its interior signifies a dramatic re-interpretation of Bentley luxury. Satin-finished carbon fibre, Alcantara™ and 'Soft Grip' leather create a unique ambience with a distinctly sporting and contemporary style.

All models in the Continental model range, including the new Supersports Convertible are now capable of running on both petrol (gasoline) and E85 bioethanol or any combination of the two, reaffirming Bentley's ongoing commitment to make all its cars bio-fuel compatible by 2012. Pioneered by the Supersports Coupe, this FlexFuel technology offers a reduction of up to 70 per cent in CO2 emissions on a 'well-to-wheel' basis, a measure of a fuel's net contribution to the atmosphere, not just tailpipe emissions.

To ensure seamless power delivery, the on-board fuel supply system detects the blending ratio of the fuel in the tank and ensures that power and torque remain constant regardless of the ratio of petrol to biofuel.

Bentley Chairman and Chief Executive Dr Franz-Josef Paefgen welcomes the new addition to the Bentley range, as well as the standardisation of the FlexFuel W12 engine on all 2011 Continental models: "The new Supersports Convertible blends thrilling performance and dramatic styling with luxury and practicality in the Bentley open-top tradition. Extreme power combines with pioneering FlexFuel technology, now shared with all Continental models, reflecting Bentley's ongoing commitment to more environmental motoring."









# World Premiere at the Geneva Carlsson

**C**arlsson who are approved as an automobile manufacturer by the Federal German Motor Transport Authority, for the first time presents an own developed automobile at this year's Geneva Motor Show – the Carlsson C25. The concept of this Super-GT is based on the vision of combining maximum driving performance with an entirely new design and high exclusiveness. The result is a breathtaking and beautiful sports coupé with 753 hp in a limited edition of only 25 cars world-wide. Thereby, each automobile will be as individual as its future owner. "We exclusively make the cars to order and the delivery quantity for 2010 is already sold out", says CEO, Dipl. Ing. (FH) Markus Schuster.

**With 753 hp and 1150 Newton metres in 3.7 seconds from 0 to 100 km/h**

The performance data of the six litre V12 Bi-Turbo is impressive. The high-performance aggregate with a motor management optimisation patented by Carlsson renders 753 hp (554 kW) and allows fast acceleration as well as smooth travels at lower speeds. Also responsible for the perfect performance evolvement is the elaborately developed stainless steel exhaust system with ends in four edgy pipes at the back. The power catapults the C25 with a torque of 1320 Newton metres at 3750 r.p.m. which is electronically limited to 1,150 Newton metres from 0 to 100 km/h in only 3.7 seconds and achieves a maximum speed of 352 km/h.



# a Motor Show on C25

## **Perfect combination between top performance and maximum driveability**

When developing the Carlsson C25, the engineers from Gut Wiesenhof have achieved creating a Super-GT for smooth everyday use despite its very high performance. "There are more than enough super sports car in this world which can only be safely driven on a race track", says Markus Schuster. "Therefore, we deliberately wanted to develop a car which is highly exclusive on the one hand and can be used for the daily journey to office on the other hand. Therefore, a Super-GT which can accelerate from 0 to 100 km/h in only 3.7 seconds and still offers a very pleasant driving comfort. All security-relevant regulations such as pedestrian protection, crash behaviour, ESP, ABS, Airbag systems are identical to large series editions with most modern standards."

This is also achieved by the intelligent lowering system C-Tronic® SUSPENSION® which automatically recognises the road characteristics and driving manners and constantly adjusts the suspension setting accordingly. This does not only result in a pleasant journey on long routes, but also guarantees that the nodding and rolling motions of the C25 are reduced to a minimum while driving fast curves. Therefore, the car reaches the perfect road holding characteristics in every situation and renders the feeling of absolute controllability.

Different than other automobiles from small series, the Carlsson C25 has not been solely made for its use at the racetrack. Nevertheless, the C25 achieves top results in acceleration and handling. Compared to the racing machines with MOT approval, the Carlsson C25 offers its driver smooth journeys on Alpine passes and also on city roads or not perfectly even surfaces.

## **Maximum exclusiveness is ensured by only one automobile per country**

In addition to the extensive refinement, the Carlsson C25 offers the advantage that every Mercedes-Benz dealer can maintain the car. As the automobile is based on the latest Mercedes-Benz technology, it is not necessary to drive to a garage, which is specialised in the Carlsson C25. This gives the Carlsson C25 additional suitability for everyday use. Moreover, Carlsson will only deliver one automobile per country and therefore ensures absolute exclusiveness for its customers.

## **Carlsson creates a perfect symbiosis of design and function**

The C25 emphasises this exquisite status with its self-reliant and unique design. The elongated vehicle front with the tapered lobe between the powerful shoulders craves ahead and the generously dimensioned air inlets in the typical Carlsson trapezoid form supply the engine with the necessary ventilation. The ultra-light and forged wheels 1/10 UL in the dimensions 9,5x20 and 12x20 inches have been especially designed for the C25 and are equipped with high performance tyres measuring 265/30 at the front and 325/25 at the rear live axle.

One wheel just weighs 11.2 kilograms and therefore is 40 percent lighter than custom light alloy wheels. Ventilation ducts in front and behind the wheel houses provide the Carlsson brake system with 405 millimetres large slotted race brake discs at the front and 380 millimetre race brake discs at the rear axle with cool air. With this, Carlsson achieves the perfect symbiosis between design and function. The elongated flat rear screen and the restrained tearing edge on the boot lid as well as the generously dimensioned double diffuser render the required downthrust and therefore the C25 does not need any extensible spoilers. In order to emphasise the uniqueness of the C25, Carlsson has also developed a new rear- and front lights design.

## **Carlsson interior optimised for the driver**

The newly designed interior resembles the exterior as far as shape, colour and functionality are concerned. The characteristic trapezoid elements at the front and back are also found on the steering wheel. On the seats and the centre console the edged shape is used as well. The instruments clearly turn towards the driver, indicate the performance capability of the C25 and increase the ergonomics.

The generous use of real carbon, tanned buffalo leather and ultra-suede in special colours provides an evenly exclusive and user-friendly ambience. For driveability reasons, Carlsson deliberately refrains from race seats, race straps, rollover devices and extreme lowering.

With the C25, Carlsson confirms its reputation as being one of the most exclusive automobile manufacturers in the world. High technical competence, many years experience in automobile construction, an advanced sense for design and elegance and German art of engineering make the Carlsson C25 unique all over the world.

The G-POWER TYPHOON "Black Pearl" arrived! At the end of the jubilee year "25 years G-POWER", G-POWER introduces an exclusive special model of the G-POWER

X5 TYPHOON to the market. Driven by the 625 hp / 460 kW strong G-POWER SK III RS Eight Cylinder Compressor Engine, the Black Beauty darts over the motor-way with more than 300 km/h.

Brawny wing extensions and strikingly formed front- and rear skirts qualified for maximum aerodynamic efficiency, mark the appearance of the G-POWER TYPHOON "BLACK PEARL". And as the name already applies, it is entirely black. An exciting eye-catcher is the G-POWER "BLACK PEARL" bonnet which ensures an improved removal of the hot exit air from both turbochargers out of the engine compartment by a central Venturi engine compartment ventilation for driving and 2 lateral ABS-grids for the standard ventilation. Moreover, the noble carbon structure is the figurehead of the G-POWER TYPHOON "BLACK PEARL".

If desired, the body makeover in OEM-quality can also be delivered in PU-Rim and the G-POWER designers used the most modern CAD technology when producing it. Therefore, the basic car has been entirely digitalised with an in-house 3D-Scanner. The elegantly formed G-POWER wing extensions at the front- and back axle which are naturally delivered with a perfectly matching inner wing extend the X5 by seven centimetres. They make room for extra-broad 23" wheels and tyres. The especially for the TYPHOON "BLACK PEARL" developed G-POWER SILVERSTONE aluminium wheels in the dimensions 11Jx23 at the front and 12Jx23 at the back were also designed entirely black. Four high-performance tyres measuring 315/25 ZR 23 by the development partner Michelin render optimal traction and sporty handling.

In combination with the extended wings, especially the absolute independently styled G-POWER TYPHOON "BLACK PEARL" front skirt, the facial expression of the exclusive SUV is formed. The large air inlets do not only improve the overtaking prestige, they also guarantee an optimised cooling of the engine and the front brakes. Moreover, due to its elaborate shaping, the aerodynamic lifting forces at the front axle could be reduced.



# *Black*

## G-Power Typhoon "Black Pearl" 625 hp and over

The rear skirt of the TYPHOON "BLACK PEARL" has been designed like the front skirt and therefore entirely replaces the serial bumpers. Apart from the two striking end pipes of the G-POWER stainless steel sport end muffler, the diffuser also marks the rear appearance. And in combination with the spoiler which is attached to the boot lid and visually prolongs the roof line, the lifting forces at the rear axle are also minimised.

The TYPHOON "BLACK PEARL" side skirts do not only provide an aerodynamically favourable transition between the extensions: on their bottom side five LED units which can be activated by remote control or by pulling a handle at the door, illuminate the ground at both sides of the car. At the upper side, stainless steel inserts with an also blue illuminated G-POWER logo are integrated.





# Pearl

based on the BMW X5 (E70)  
300 km/h V/max

Matching the dynamic appearance, G-POWER offers an extremely strong motorisation for the G-POWER TYPHOON "BLACK PEARL". In co-operation with ASA, the world-wide renowned developer and OEM-supplier of high-tech supercharger systems, a mechanic charging system for the eight-cylinder four-valve engine has been created.

The G-POWER SK III RS supercharger system gives the 4.8 litre engine a performance increase of 270 hp / 199 kW to 625 hp / 460 kW at 6,100 r.p.m. and renders a torque increase of 225 Nm to 700 Nm at 5,300 r.p.m. Compared to turbo models, such a strongly equipped engine reacts to any impact to the gas pedal aggressively and without any delay. In order to achieve this performance, an ASA T1-725 charger with radial centrifugal clutch is flanged to the engine with a CNC-milled, high-strength framework structure. The supercharger which is powered by a crankshaft via the multi-rib belt has an oil flow which is integrated into the engine oil circulation for lubrication. The boost pressure is 1.0 bar.

This performance explosion originates in the core part of the G-POWER supercharger systems, the entirely newly developed T1-723 ASA radial supercharger. Moreover, supercharger systems are also used in the ALPINA models B5S, B6S and B7, and of course also in the ALPINA B6 GT3 race car, in which the ASA supercharger impressively confirmed its reliability and quality in the "Green Hell" at the 24-hour race at the Nürburgring this year. The exclusive use of components in OEM-quality is an essential part of the G-POWER philosophy and the basis for extraordinarily high quality, reliability and durability of G-POWER products.

The two-part carbon intake air duct with large, aerodynamic transverse sections, a large-volume aluminium charge air cooling system in the front of the X5 and a G-POWER SPEEDFLOW high-performance exhaust system which is entirely made of stainless steel and includes racing headers, racing catalysts and end mufflers, form the peripheral equipment of the supercharged engine and moreover render an earthy sound which emphasises the acoustics of the eight-cylinder engine.

Also, the engine itself is thoroughly refined by G-POWER. Starting with a new set of forged pistons for compression reduction, manufactured in the Formula 1 department at MAHLE, over eight balance- and weight-optimised high-performance connecting rods up to a precisely manufactured crankshaft, the BMW V8 engine is completely re-engineered. Eight new fuel injectors with a larger fuel mass capacity, a new ignition map for engine electronics and an additional re-cooling system for engine oil and cooling water perfect the engine makeover. Of course, also the serial transmission is modified and adjusted to the performance.

The enormous performance potential of the G-POWER SK III RS supercharged engine in combination with the six-gear automatic transmission and the xDrive 4WD enables the SUV to render a driving behaviour which confirms it as a top player in its vehicle class. The acceleration from 0 to 100 km/h only takes 4.5 seconds. After 16 seconds, the mighty five-door car already reaches a velocity of 200 km/h. The maximum speed more than 300 km/h.

The G-POWER TYPHOON "BLACK PEARL" cockpit can be refined with exclusive accessories like an ergonomically formed sport steering wheel, a speedometer in TYPHOON design and interior linings made of full carbon. Further wishes can be fulfilled with exclusive interior equipments in all possible leather and ultra-suede colours.

The G-POWER TYPHOON "BLACK PEARL" can be ordered as a complete automobile from € 295,000 (net). Alternatively, any BMW X5 E70 can be refined with individual G-POWER components of the high-performance SUV.



# McLaren's New Aerodynamic Overhaul

The Vodafone McLaren Mercedes team has revealed its brand new MP4-25 chassis - the car in which reigning world champion Jenson Button and Lewis Hamilton will contest the 2010 FIA Formula 1 World Championship.

Unveiled at Vodafone UK's stunning headquarters in Newbury, the 2010 car looks noticeably different from last year's race-winning MP4-24. MP4-25 features a radical aerodynamic overhaul and a significantly larger fuel tank to take full advantage of this year's new regulations, and its design team is confident it has explored every possible avenue to maximise the car's performance.

Horsepower once again comes from our friends in Stuttgart. Mercedes-Benz's FO 108X V8 subtly improves upon an engine which has become the benchmark in Formula 1, winning the last two drivers' world championships.

The team kicks off its 2010 campaign with a stunning driver pairing: 2009 world champion Jenson Button and 2008 title winner Lewis Hamilton. It is the first time since 1989 - when it ran Alain Prost and Ayrton Senna - that the team has fielded a joint-world champion driver line-up, and marks the first time in Formula 1 history that the sport's two most recent world champions have been partnered together.

However, the driver line-up represents only a fraction of the team's remarkable strength in depth. Members of the design team who contributed to the development of MP4-25 can also trace their involvement back through an incredible seven drivers' world championships, five of the team's eight constructors' world championships and 112 of the team's 164 grand prix victories.




## Auto Fact

Dodge, Plymouth, and Chrysler have an engine called the "Hemi" what is it named after/for?

Its hemispherical combustion chambers. Yes, also if you look at the answers it is the most complex.





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# BRABUS GL 63 Biturbo

Luxury SUV with 650 hp / 478 kW  
and WIDESTAR Version

Strong as a bull, sporty yet elegant and with exclusive appointments: The new BRABUS GL 63 Biturbo, which celebrated its world debut at the Dubai International Motor Show, combines these three attributes to perfection. With this luxury SUV BRABUS further expands its impressive portfolio of exclusive high-performance automobiles. The 4x4 SUV is powered by a BRABUS B63 Biturbo 6.3-liter V8 engine with 650 hp (641 bhp) / 478 kW and reaches a top speed of 300 km/h (186 mph). Visually the SUV sets itself apart with the stunningly styled BRABUS WIDESTAR version and forged 23-inch wheels. Also part of the standard equipment of the BRABUS GL63 Biturbo is an exclusive interior with leather and Alcantara. The GL 63 Biturbo is built in small-series production and starts at 368,000 Euros MSRP.

BRABUS fits the high-speed eight-cylinder four-valve engine from the ML63 AMG with a twin turbo system and implants it into the largest Mercedes SUV. By doing so the luxury manufacturer from Bottrop elevates the GL 63 to a new performance dimension.

The twin turbo system is yet another high-tech development so typical for BRABUS. The BRABUS engineers have developed special cast exhaust manifolds with integrated turbine housings and bypass valves for the V8 engine. For faster response the turbochargers were sized relatively small and both manifolds were designed to only use the exhaust gases from three of the four cylinders on each side for driving the turbochargers.

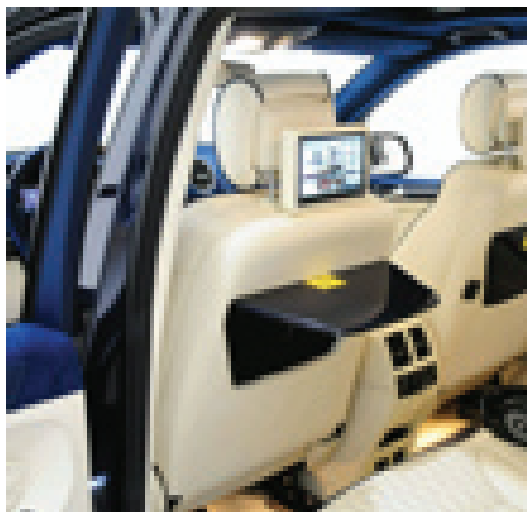
The turbochargers themselves are also a custom BRABUS development. Normally V-type engines are fitted with two right-turning chargers. That results in a slower response on the right side of the engine because the intake on the right side of the turbine housing necessitates a more complicated exhaust routing than on the left side of the engine. To solve this problem the BRABUS engineers designed a left-turning turbocharger for the right cylinder bank of the engine and thus achieved perfect exhaust-gas dynamics.

The twin turbo system also includes a generously dimensioned water-to-air intercooler as well as a dual intake manifold with cast-in BRABUS Biturbo logos and sport air filters. High-performance catalysts behind the turbochargers reduce back pressure and further lower exhaust emissions.

The inner workings of the engine are adapted to turbocharging with BRABUS forged pistons that reduce the compression ratio to 9.0:1. Newly programmed engine electronics with custom mapping for ignition and injection adapted to the turbo technology and an electronic boost pressure management system play a key role. Together they ensure not only maximum power yield but also clean emissions in accordance with the EURO IV emission standards. Like all BRABUS engines the B63 Biturbo is lubricated exclusively with synthetic ARAL high-performance motor oil.

This engine establishes the BRABUS GL 63 Biturbo among the world's most powerful SUVs. The engine has a rated power output of 650 hp (641 bhp) / 478 kW at a low 6,200 rpm. The maximum torque of 850 Nm (626 lb-ft) is available on a plateau between 3,000 and 5,500 rpm.

In combination with a modified SPEEDSHIFT 7G-TRONIC seven-speed automatic transmission and permanent four-wheel drive this engine delivers performance previously unimaginable for a vehicle of this type: The BRABUS GL63 Biturbo accelerates from rest to 100 km/h (62 mph) in just 4.7 seconds and reaches an electronically limited top speed of 300 km/h (186 mph).



To further optimize active safety the SUV is equipped with a BRABUS high-performance brake system. The version for the GL 63 Biturbo features 12-piston aluminum fixed calipers and vented and cross-drilled 380 x 36 millimeter (15.0 x 1.4 inches) discs on the front axle. The rear axle stops on 355 x 28 mm (14.0 x 1.1 inches) brake discs and six-piston fixed calipers.

The luxury equipment of the BRABUS GL 63 Biturbo also includes a premium interior. The interior is custom-tailored to customer specifications from a combination of especially soft and breathable Mastik leather and Alcantara.

BRABUS precious-wood and carbon-fiber inlays are available in a variety of versions and are color-coordinated with the leather. The sporty character of the vehicle is reflected by the speedometer with 320-km/h (200-mph) scale, aluminum components such as pedals and door-lock pins and an ergonomically shaped sport steering wheel.

Special consoles for the backs of the front seats each have an integrated seven-inch LCD screen, a DVD player and a folding table. They transform the rear passenger compartment into a multimedia studio. The entertainment equipment can be further expanded into a fully functional office on wheels with state-of-the-art communication and computer technology.



Naturally the vehicle's aerodynamic properties, tires, suspension and brakes are all adapted to this enormous performance potential.

The BRABUS WIDESTAR version with its elegantly contoured fender flares adds six centimeters (2.4 inches) to the width of the GL 63 Biturbo. The WIDESTAR front apron was shaped in the wind tunnel to reduce aerodynamic lift on the front axle thus maximizing directional stability at high speed. Generously sized air inlets provide the engine and the front brakes with as much cooling air as possible. For further increased active safety the BRABUS front features LED daytime running lights and four auxiliary headlamps.

BRABUS rocker panels create an aerodynamically smooth transition between the fender flares on front and rear axle. Integrated entrance lights facilitate entering and exiting the vehicle in the dark.

The vehicle's aerodynamics are further optimized by a roof spoiler and the BRABUS rear apron with integrated diffuser. The apron is custom-tailored to fit the wider fenders and in addition to cutouts for the tailpipes of the BRABUS stainless-steel quad sport exhaust system features integrated underfloor lights.

The large wheel houses offer plenty of room for three-piece BRABUS Monoblock E PLATINUM EDITION 11Jx23 wheels. These nine-spoke wheels have a forged and high-gloss-polished drop center and can be fitted with Pirelli or YOKOHAMA high-performance tires up to size 305/30 R 23.

The BRABUS GL 63 Biturbo can also be equipped with forged 21-inch Monoblock VI or F wheels or with 22-inch Monoblock VI, E, Q or S and new BRABUS Monoblock G PLATINUM EDITION forged wheels.

The ride height of the high performance car is lowered by some 30 millimeters (1.2 inches) with the BRABUS suspension tuning module for the AIRMATIC air suspension. This measure not only benefits the looks of the GL. The lowered center of gravity also results in even sportier and safer on-road handling.



# *Porsche 911 Turbo S*

*Even More Dynamic, Top Equipment all Standard*



# The

engineers at  
Dr. Ing. h.c. F.  
Porsche AG,  
Stuttgart, have  
developed a

new top-of-the-range sports car for the customer who will only settle for the very best in terms of power, performance and driving dynamics: the 911 Turbo S. The heart of this most exclusive high-performance athlete is of course a six-cylinder boxer boosted by two exhaust gas turbochargers with variable turbine geometry, with an increase in power over the 911 Turbo by 30 to 530 bhp (390 kW). Maximum torque is a most impressive 700 Newton-metres (516 lb-ft). At the same time this new top model comes as standard with all high-tech components available only as options on the “regular” 911 Turbo.

Despite its significant increase in power and dynamic performance, the new 911 Turbo S, at 11.4 litres/ 100 kilometres, does not consume any more fuel than the Porsche 911 Turbo, making it by far the most efficient sports car in its performance class.

The 911 Turbo S comes exclusively with seven-speed Porsche-Doppelkupplungsgetriebe (PDK) (Porsche’s Double-Clutch Gearbox) conveying drive power to Porsche Traction Management (PTM) all-wheel drive. Driving safety optimized to an even higher standard is ensured by Dynamic Engine Mounts and Porsche Torque Vectoring (PTV) including a mechanical differential lock on the rear axle. In conjunction with Launch Control on the Sport Chrono Package Turbo likewise featured as standard, the 911 Turbo S accelerates from a standstill to 100 km/h in 3.3 seconds and reaches 200 km/h in 10.8 seconds

Top speed is 315 km/h or 195 mph. Extra-light and fading-resistant Porsche Ceramic Composite Brakes (PCCB) provide the same outstanding performance in terms of stopping power and controlled application of the brakes.

The supreme level of standard equipment including Dynamic Bending Lights, 19-inch wheels in RS Spyder design with central locking, a three-spoke sports steering wheel with gearshift paddles, adaptive sports seats, cruise control, a CD/DVD changer and exclusive twin-tone leather upholstery in Black/Crema or Black/Titanium Blue additionally underlines the outstanding class and calibre of this first Turbo S in five years.

The Turbo S Coupé will be available for order in the Middle East as of February 2010 with deliveries starting in May 2010. Starting price in the GCC is US \$ 162,171. The Cabriolet can be expected at the same time. The basic retail for this model in the GCC is US \$ 173,361.





# NEW CORRADO

Concept car by Patrick Moczarsky







Some of us have already wondered what a new motor vehicle on the basis of VW Corrado for serial production would look like. Miranda Media specialists were also intrigued by this question, so they have developed four conceptual sketches that represent the impression based on the view of a new sports car in its serial production and tuning versions. “That’s exactly what the new VW Corrado should look like, and no way else”, says Patrick Moczarsky, a professional designer and graphic artist of Miranda Media.

The expensive concept car represents a dynamic blend of the old model and progressive design. The first draft should focus our attention on how the future Volkswagen car can comprise all the features in a compact model with traditional optics. The project has made it absolutely clear that the old VW Corrado must give place to the “New Corrado”, which could be successfully introduced with the motto: it’s time to say goodbye to the old outfit!

Some design features were remained, however, and replaced by ordinary modern parts. The first thing that strikes the eye here is a small rear spoiler that can be pulled out automatically, just as in the old Corrado.

Light alloy wheels (Schmidt Revolution) together with a flat roof and a notably protrudent vehicle body of the tuning version contribute to the revolutionary, truly sport-looking image. The hood lines running up between aggressively styled headlights in a deep curvature make the design even more expressive. Large air holes flank the front side and rear end of the body, thus causing the feeling as if the car merely absorbs the street.

“We realize, of course, that Volkswagen will not present such a car right now, but the flight of imagination is so fascinating that it won’t give us a moment’s rest”, says Patrick Moczarsky from Miranda Media.

# More joy in top-level performance

The product range of BMW M GmbH  
for spring 2010.



More driving pleasure, reduced emissions: this principle of the development strategy BMW EfficientDynamics applies equally at the very highest level of performance. As of spring 2010, the high-performance model BMW M3 consistently combines its outstanding driving performance figures with further reduced fuel consumption and exhaust emission levels. The range of BMW EfficientDynamics measures fitted as standard in the models BMW M3 Coupé, BMW M3 Convertible and BMW M3 Sedan is now to be supplemented with the Auto Start Stop Function. This reduces the average fuel consumption and CO<sub>2</sub> levels of the BMW M3 by up to 8 per cent or 24 grams of CO<sub>2</sub> per kilometre. In order to further hone the outstandingly sporty profile of the model there will also be a Competition Package available as of spring 2010.

The range of driver assistance systems optionally available for the BMW X5 M and BMW X6 M will also be extended in spring 2010. Both models can now be fitted with the functions Side View and Speed Limit Info. The remainder of the BMW M GmbH portfolio will likewise feature new offers. Directly at the market launch of the new BMW X5, a newly configured M Sports Package will be available for the Sports Activity Vehicle. The new BMW 3 Series Coupé and the new BMW 3 Series Convertible can also be upgraded from the start with an M Sports Package. An M Sports Package, also designed for the specific model in question, is part of the equipment range of the BMW 3 Series Sedan and the BMW 3 Series Touring in the Edition Sport. For the launch of the Z4 sDrive35i, the M Sports Package for the BMW Z4 is offered for all the other versions of the roadster, too. The BMW Individual range will also be further refined. Especially exclusive equipment options are already available at the market launch, also for the new BMW 5 Series Sedan.

## **Auto Start Stop Function for the BMW M3 - for the first time in conjunction with a dual clutch transmission.**

The BMW M3 achieves its outstanding performance with impressive efficiency. Its 4.0 litre V8 high-revving engine mobilises 309 kW/420 bhp, enabling superior acceleration response due to its unique propulsion. In addition to its fascinating performance characteristics, the 8-cylinder engine - developed exclusively for the BMW M3 - is characterised by an unusually high degree of efficiency. Additional efficiency potential is now tapped into with the Auto Start Stop Function. This helps the drive avoid idling phases when stopping at junctions or in congested traffic. In order to prevent unnecessary fuel consumption the engine is switched off when the vehicle comes to a halt. As soon as the driver wishes to continue driving, the engine is re-activated without delay.

The Auto Start Stop Function is used both in vehicles with standard 6-speed manual transmission and in conjunction with the M dual clutch transmission with Drivelogic. The BMW M3 is thus the first model - along with the BMW ActiveHybrid X6 and the BMW ActiveHybrid 7 - to use this efficiency-enhancing measure in combination with an automated manual transmission.

The increase in efficiency brought about by the Auto Start Stop Function is up to 8 per cent of 24 grams of CO<sub>2</sub> per kilometre, depending on the model and transmission type. For example, the BMW M3 Coupé with 7-speed M dual clutch transmission and Drivelogic powered by a V8 high-revving engine with 309 kW/420 bhp now achieves an average fuel consumption on the EU test cycle of 11.2 litres per 100 kilometres (6-speed manual transmission: 12.4 litres). The same figures apply to the BMW M3 Sedan. In the case of the BMW M3 Convertible, the average fuel consumption is reduced to 11.5 litres (M dual clutch transmission with Drivelogic) or 12.7 litres

(6-speed manual transmission) per 100 kilometres. All versions of the BMW M3 will also meet the exhaust emission norm EU5 in future.

Modified rear lights with glass covers in a homogeneous red colour provide an additional visual accentuation in the BMW M3 Coupé and the BMW M3 Convertible. With two harmoniously illuminating light banks fed by LED units, they create a characteristic nocturnal design.

The new range of items from the Original BMW Accessories program available for the BMW M3 provides an even more intense driving experience. Retrofit options designed for this model are specifically geared towards increasing dynamic performance and driving pleasure. For example a rear spoiler and front apron flaps in carbon will be available from spring 2010. As well as perfectly matching the Competition Package the aerodynamically optimised components further reduce lift force, thereby increasing the driving dynamics potential of the BMW M3.

### **Innovative driver assistance systems for the BMW X5 M and the BMW X6 M.**

Additional equipment options are also available for the models BMW X5 M and BMW X6 M as of spring 2010. The two top sports cars in the segment of the BMW X models can now be fitted with such features as the driver assistance systems Side View and Speed Limit Info. The Side View system comprises two cameras integrated in the side of the front bumpers, which means that intersecting traffic can be observed. The images from these cameras are shown on the Control Display of the operating system iDrive, providing an advance view of the road situation to the left and right of the vehicle when coming out of blind exits such as narrow driveways or multi-storey car parks, for example. Speed Limit Info gives the driver the possibility of finding out about

speed restrictions on the current route. Here, a camera is installed on the windscreen in the area of the interior mirror which permanently monitors signs at the roadside as well as the variable displays on overhead gantries on motorways, comparing this information with the data from the navigation system. The figure thus obtained is displayed by means of a symbol on the instrument panel or in the Head-Up Display, as required.

Newly designed rear lights with especially narrow bands of light in the reversing lamps provide an enhanced sense of width in the BMW X5 M. Their homogeneously luminous light banks fed by LED also create a nocturnal design which is characteristic of the brand. They are now also fitted with dynamic LED brake lights which flash in the event of particularly intense deceleration, thereby providing a warning signal for drivers to the rear.

### **M Sport Package for the new BMW X5.**

At the 2010 Geneva Automobile Salon the M Sport Package will also be presented for the new BMW X5. It offers ideal ways of experiencing the enhanced sporty qualities of this Sports Activity Vehicle even more intensely and expressing these strikingly in terms of design. The M Sport Package is made up of exterior, interior and chassis components which underscore the dynamic potential of the BMW X5. Larger air inlets in the front apron give the vehicle a particularly powerful appearance. A high-speed

set-up and sporty suspension settings emphasise the dynamic character of the vehicle, as do the 19-inch M light alloy rims in V-spoke design. As an alternative, M light alloy wheels in 20-inch format are optionally available, either in two colours or in burnished finish. In both instances, a special mixed tyre selection is used on the front and rear axle which is designed specially for the BMW X5. Even in the 6-cylinder versions, the tailpipes of the exhaust system bear the contours characteristic of V8 engines.

In addition to the M Aerodynamics Package and the M entry strips, the BMW Individual Exterior Line in satinised aluminium design for the surrounds of the side windows and the BMW Individual roof railing in high gloss Shadow Line ensure an unmistakable visual appearance. In the interior, sports seats for driver and passenger, the M leather steering wheel, M driver footrest, the interior strips in fine lengthwise brushed aluminium design and the anthracite-coloured BMW Individual roof liner optimise the driving experience in the BMW X5.

BMW M GmbH is a 100 per cent subsidiary of BMW AG. With its products and services in the four business areas of BMW M Automobiles, BMW Individual, M Sports Packages and Options and BMW Group Driving Experience, it is geared towards customers with particularly high aspirations in terms of the performance, exclusivity and individual style of their vehicle. Based in Munich, the company was founded in 1972 as BMW Motorsport GmbH. Since then, the letter M has become synonymous all over the world for success in motor racing and for the fascination of high-performance sports cars which can be used for everyday driving. The production of BMW M automobiles is integrated in the manufacturing processes of the BMW plants. BMW M GmbH has the status of an independent automobile manufacturer.

In the financial year 2009, BMW M GmbH achieved worldwide sales of over 15,000 vehicles. BMW M GmbH currently employs a workforce of some 500 in the areas of development, administration and sales.

# Green tire compounds from the magic kitchen

*Continental tire prototype under development virtually free of fossil raw materials*



Car and truck tires are made up to a large extent from natural rubber - in other words, they are produced from renewable raw materials. Working in their laboratories - their mysterious 'magic kitchens' - chemists are constantly searching for new mixtures and compounds to help them to come up with tires which meet consumers' high demands. It was this research that enabled the experts at Continental, Europe's leading car tire manufacturer, to substantially reduce the use of those chemicals considered potentially harmful to the environment. At the same time, tire performance is constantly increasing. Evaluating

this development, Boris Marvell, head of material evaluation and processing car and truck tires from Continental, sees a clear trend towards 'downsizing' in the use of chemical products, with no end in sight. In his view the 'green tire' has already arrived in the trade. After all, natural rubber accounts for two-thirds of a car tire, with a good proportion of this renewable raw material obtained from rubber trees in Central America. Production is in the hands of smallholders, with international corporations owning just a few plantations, so revenues from the plantations remain largely with the producers themselves.

“Our modern car tires are highly specialized industrial products well able to handle the balancing act between renewable raw materials and essential chemical additives” Marvell comments. “Virtually every day we try out new materials and compounds in our labs in the hope of achieving further progress.” His aim in this context is to do without fossil raw materials as far as possible and use recycling materials instead. Natural and re-processed oils have both been used at Continental now for over ten years. “We are working very closely with our suppliers and with independent research

institutes to find a substitute specifically for those tire ingredients that are based on mineral oil” he explains. To this end he is focusing on polymers made from biomass, process oils, different types of carbon black, mineral nano fillers and, in particular, recycling materials.. “We are currently developing a tire prototype which does without over 90% of the fossil raw materials.” For the structural supports in the tire Continental uses recycled steel. Recycling products or products based on renewable raw materials, such as rayon, are used to replace textile cord materials.

One positive side effect is that tires using alternative structural supports are ten per cent lighter than conventional products and so reduce a car's overall weight, resulting in lower fuel consumption.

By now almost all oils containing PAHs (polycyclic aromatic hydrocarbons) have completely disappeared from tires. “Previously they were indispensable to ensure tires had a long service life; they were also needed to maintain the tire’s characteristics in the wet at a very safe level” Mergell explains. “By now, though, we’ve been able to reduce these PAKs in all tires, so that we come in well below the strict limits valid from early 2010.” Not an easy task - one single tire consists of around 15 different rubber compounds and each compound contains such oils. This meant that Mergell and his colleagues had to change each of the compounds, whilst maintaining the tire’s driving characteristics at the same level. Explaining the aim of his ‘magic kitchen’, he reveals: “The secret is the way the different compounds in the tire interact.” Each minor modification can lead to substantial variations in the overall picture. The wrong composition in the compound can already result in considerably poorer braking performance. “It is, after all, the tire - and not the brakes - that stops the car” he states clearly. “If the composition of the tire results in a blow-out at the crucial moment, then the best brakes are no good.”

Continental's 'magic kitchen' continues to look for solutions that will make tires safer and more environment-friendly. "Our objective here is to gain greater sustainability, both in terms of raw materials and also in production" Mergell explains. To do this, he wants to keep the use of fossil base materials as low as possible, dispense with potentially harmful compounds where possible, and make that industrial product - the tire - safer, more durable and more economical. For him, though, one thing is certain - in terms of tire colours, things still look black.



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## Toyo releases first 20" track day tire for Nissan R35 GTR

Toyo Tires have developed a specific fitment tailored to the needs of the Nissan R35 GTR. The 285/35 ZR 20 (100Y) front and 315/30 ZR 20 (101Y) rear sizes have been added to the Proxes R888 range. At the Autosport Show in January 2010, the tyres were fitted to the Sumo Power 660bhp Nissan R35 GTR demonstration car on the Time Attack stand. The Time Attack series has chosen the R888 as its control tyre. The series includes cars that have in excess of 700bhp, giving the R888s have a track record (so to speak) of handling the type of power output expected from such highly powered sports cars.

The Nissan GT-R is a limited production, Japanese supercar that boasts 485 all-wheel-drive horsepower. The Proxes R888 semi-slick road-legal trackday tyre has been called "a natural fit for this supercar"

by its manufacturer. Toyo states that the R888's "exceptional handling and grip" has led to its establishment as the "number one trackday tyre in the UK." It aims to enhance track capabilities with features such as a continuous centre contact for better directional control during hard braking. A unidirectional, 5mm tread pattern with v-shaped grooves enhances wet traction and control, while a semi-slick shoulder area helps to increase cornering force.

"With the incredible potential offered by the Nissan GT-R, Toyo Tires felt it was a natural fit to develop R-compound sizes specific to this vehicle," said Robert Waytashek, consumer products manager, Toyo Tire USA. "With our extensive testing on this car, we found the GT-R achieves a new level of on-track performance thanks to the installation of Proxes R888 tyres."

## Yokohama adds sizes to its AVID TRZ line

Yokohama Tire Corp. has added 10 H-rated sizes in 15- and 16-inch rim diameters to its AVID TRZ all-season touring tire line.

Features of the tire include Yokohama's 3D Adaptive Sipes—a patent-pending design that changes the shape of the sipes as the tire wears—which provide traction in wet, snow and icy conditions. Four deep circumferential grooves, including two continuous ones, help to expel water, while cross-supporting tread blocks work together to provide traction during cornering, the Fullerton-based tire maker said.

The newest AVID TRZ sizes are: P195/60R15 87H; 195/65R15 91H; 205/60R15 91H; P205/65R15 92H; 205/55R16 91H; P205/60R16 91H; 215/55R16 93H; P215/60R16 94H; 225/55R16 95H; and 225/60R16 98H.





# Yokohama Renews Sponsorship with Celtics, Spurs

It's a "three-peat" for Yokohama Tire Corporation. As part of its 2010 marketing program, the Fullerton, California-based tire maker is sponsoring two of the National Basketball Association's (NBA) top teams – the Boston Celtics and San Antonio Spurs – for the third consecutive year, announced Shawn Denlein, Yokohama director of sales, Consumer Products.



"NBA basketball has enormous appeal in the U.S. and globally," said Denlein, "and the championship-caliber Spurs and the Celtics are two of the league's most popular teams. For Yokohama, the NBA is an excellent platform to showcase our world-class lineup of tires, including ADVAN®, S.drive®, Parada®, Geolander®, AVID® – including the all-new AVID ENVigor™ – and the eco-friendly orange oil-infused dB Super E-spec™. All the tie-ins we're doing with the Spurs and Celtics will be slam dunks with our dealers and their customers in these markets."

Yokohama will have signage and special events at the AT&T Center in San Antonio and the TD Banknorth Garden in Boston. The partnership includes spots on the teams' radio networks, presence on the teams' Web sites and hospitality events for dealers. In addition, heavy radio and television advertising will

support the promotion starting March 1 (through April 17) for the San Antonio Spurs and March 15 (through May 1) for the Boston Celtics.

The agreement with the NBA teams enables Yokohama to execute promotions designed to drive traffic to dealers. During the promotion period, consumers can receive an official team jersey with the purchase of four Yokohama tires from participating dealers.

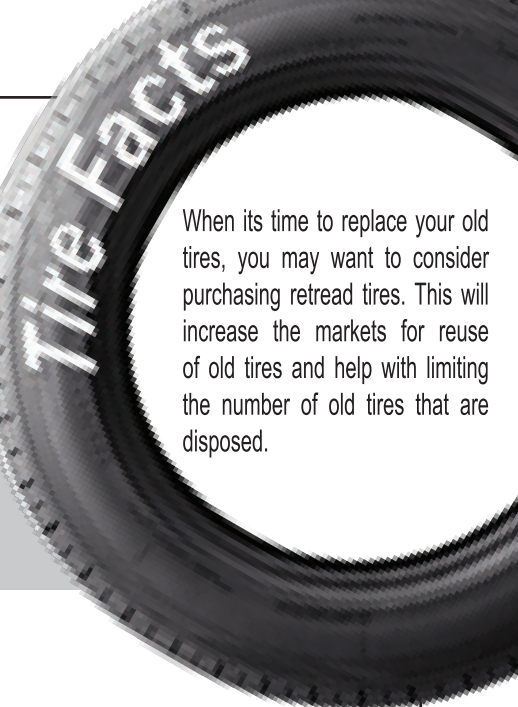
The NBA sponsorships follow successful marketing partnerships with two NFL teams, the Baltimore Ravens and Cleveland Browns, plus high-visibility college football teams USC and UCLA.

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# Bridgestone to Sponsor World Green Car Award



When its time to replace your old tires, you may want to consider purchasing retread tires. This will increase the markets for reuse of old tires and help with limiting the number of old tires that are disposed.

**B**ridgestone has obtained exclusive title sponsorship for the 2010 World Green Car Award. The global agreement was drawn up between Bridgestone Corporation of Japan and the World Car of the Year Awards Association, based in Canada. The agreement gives Bridgestone exclusive global branding rights on all communications emanating from the World Green Car Award during the 2010 calendar year and at official awards press conferences to announce the World Green Car three finalists and winner.

The three World Green Car finalists will be announced at the 80th Geneva International Motor Show on March 2. The winning vehicle will then be announced at the New York International Auto Show on April 1.

“We hope that this sponsorship will help underscore to those in the automotive industry as well as to consumers that tyres can help vehicles be more fuel efficient,” said Ryoji Yamada, Bridgestone’s general manager of Brand Management, explaining the reason for the tyre major’s support of the Green Car of the Year award. “Through our environment-friendly ‘Ecopia’ tyre brand we expect to help drivers achieve better mileage, and therefore contribute to a more sustainable mobile society.”

The World Green Car Award was established in 2004 and is part of the overall international World Car of the Year Awards. The awards are administered by an independent non-profit association which aims to reflect the reality of the global marketplace, as well as recognise and reward automotive excellence on a global scale.

The shortlist of three green car finalists has been drawn up by a distinguished panel of “green” experts: Sam Abuelsamid representing North America; Tadashi Tateuchi representing Asia; and Dean Slavnich representing Europe. A jury consisting of 59 of the world’s most respected automotive journalists from 25 countries will now choose the winning World Green Car together with winners of the three other Car of the Year categories to be announced in New York: World Performance Car, World Car Design of the Year and the overall World Car of the Year.

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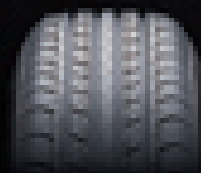
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DIABLO

## Kumho Aromatic Tires



Korean company Kumho developed what it calls Aroma Technology tyres which give off a perfumed scent when the rubber compound is warmed up by road friction.

Kumho says the perfume - predominantly lavender with hints of mint, iris and white musk - can be smelt within a 10-metre radius of the vehicle.

Kumho says the Aroma Technology tyre, in addition to smelling more pleasant than conventional tyre rubber, has distinct practical advantages.

The molecules in aromatic oils are more stable than conventional petrochemical oils when heated, reinforcing the bonding of the rubber compound and improving the visco-elasticity of the tyre.

The result is that the Aroma tyre has above-average traction and braking performance, improved ride comfort and very low noise characteristics.

Kumho says comparison tests against a conventional compound tyre with the same tread pattern show that the Aroma compound reduces braking distances by 7.5 per cent, improves ride comfort by 7.0 per cent and lowers noise by 7.0 per cent.

Kumho has further reduced noise levels by using a supercomputer to design the tread pattern, applying Chaos Random Technology (CRT) to minimise low-pitched tyre hum.

The company says the Aroma tyre's lavender scent will last for about one year of average use, but that even after that time the tyre will continue to exhibit superior performance characteristics.

Kumho chose lavender oil as the base for the Aroma Technology because of its therapeutic qualities.

The essential oil of the lavender flower has long been used in herbal remedies as an anti-inflammatory and as an infusion for the soothing of coughs and colds.

Kumho says the idea to develop the Aroma tyre was the result of an intra-company staff competition for the best new idea.

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## Nexen's 15 series Tires



"Our tires feature NEXEN technology at work" says John Aben, Vice President, Sales and Marketing of NEXEN Tire America. "Quite simply, we provide high-quality tires with high-quality personal service."

You see, Nexen was showing off the very first 15-series tire., the world's first and only 365/15R24 tire. If you thought 35s looked like rubber bands wrapped around 19- and 20-inch wheels, this tire looks like a smear of black paint on that two-footer. We don't know what the ride quality might be like, but we seriously doubt there will be any sidewall flex, mainly because there's no sidewall. This tire is definitely for those extreme enthusiasts!

NEXEN introduced the world's first 15 series tire. This innovative 365/15R24 Ultra High Performance tire made its debut at the annual SEMA show on last year in Las Vegas.



# Orange infused tire by Yokohama

As we attempt to wean ourselves off petroleum-based car fuels, let's not forget that cars themselves are also filled with the slippery stuff. Yokohama is doing its part to ease the transition from petroleum-based materials with the Super E-spec tire, composed in part of oils extracted from orange peels along with natural rubber. The addition of orange oil reduces the petroleum content of each tire by 10%. Yokohama's tire, made out of 80% non-petroleum derived materials, also features improved rolling resistance to increase fuel efficiency.

The idea for tires made from orange oil was originally thought up by Yokohama's racing engineers, who found that the oil could increase a car's grip on the road. Orange oil infusion can already be seen on Yokohama's ADVAN ENV-R1TM racing tires, present on Porsche GT3 Cup cars.

Yokohama has introduced a new tire model that replaces 80% of the petroleum based products that used to make up a tire's composition with non-petroleum based products. The new dB Super E-spec passenger tire uses Yokohama's Super Nano-Power Rubber compound and Advanced Inner Liner to create a tire that is 80% petroleum free, performs better than conventional tires made of vulcanized rubber, and has ultra-low rolling resistance.

The new Yokohama orange oil-infused tire is their first product designed specifically for hybrid automobiles. Introduced in Japan in 2007, the dB super E-spec reconciles the conflict between low rolling resistance - key to delivering improved fuel economy - and superior grip in both wet and dry conditions while offering the quiet, comfortable ride that compliments the silent driving characteristics of hybrids. This translates directly into improved fuel economy as rolling resistance can account for up to 20 per cent of the friction that a vehicle must overcome when moving.



# Kumho's Red burning tires

ECSTA SPT Colored Smoke tires are KUMHO's attention-getting Track & Competition DOT tires developed for drivers who participate in organized drifting and drag racing style burnout events. KUMHO debuted colored smoke tires in May of 2005, and today's ECSTA SPT Colored Smoke tires will continue to be crowd pleasers by producing colored smoke when they are spinning and sliding.

ECSTA SPT Colored Smoke tires feature a unique dye mixed throughout their tread compound to produce the colored smoke. This special tread compound is molded into KUMHO Tire's popular ECSTA SPT's directional tread design that features large, independent shoulder blocks, four straight circumferential grooves and

three solid center ribs to combine predictable handling and stability. On the inside, ECSTA SPT Colored Smoke tires feature twin steel belts reinforced by a spiral-wrapped, jointless nylon cap ply on top of rayon carcass plies to enhance durability.

The colored smoke tires feature unique sidewall branding confirming their purpose, and their tread appearance reflects the color of the smoke that will be produced. While red colored smoke tires are available in selected 15-, 16-, 17 and 18-inch rim diameter sizes, the 255/40R17 size is also available in yellow.



# Run-Flat Tires

With conventional tires, when all the air has escaped, the vehicle cannot safely continue down the road. Run-flat technology helps solve this problem by supporting the vehicle long enough to get to a service location or the original destination safely without damaging the tire or the wheel.



Some run-flat designs simply add enough sidewall stiffness to low-profile tires to operate at conservative speeds without air. Newer designs incorporate a composite liner around the wheel inside the tire to add support if air pressure is lost.

The self supporting tire feature reinforced sidewalls, additional reinforcing strips and rubber compounds which remain stable at high temperature.

Depending on driving conditions, the driver can continue driving with deflated tire at speeds up to 80km/h for limited distance.

Run flat tires can not come off the wheels even in the event of sudden pressure loss. This provides greater safety, particularly when driving at high speed or on winding road.

It is true with this system is always safe to drive even in spite of total tire pressure loss.

- \* Maximum range after total tire loss:
- \* 240 kilometers with light load
- \* 160 kilometers with medium load
- \* 50 kilometers with heavy load.

The ABS brake, the ASC, and the DSC electronic monitoring system remain fully functional.

# Michelin's Tweel



Tweel is a non-pneumatic single unit that replaces the traditional tire/wheel/valve/pressure monitoring assembly. Quite simply - a tire without air. Tweel consists of a composite reinforced tread band, connected to a flexible (deformable) wheel via rectangular, polyurethane spokes. The resulting mechanical structure provides weight-carrying ability, shock absorption, ride comfort, rolling resistance and mass similar to pneumatic tires while adding suspension-like characteristics that greatly improve handling.

The Tweel automotive application, as demonstrated on the Audi, is definitely a concept, a stretch application with strong future potential. Our concentration is to enter the market with lower-speed, lower-weight Tweel applications such as iBOT, Centaur and skidsteer. What Michelin learns from its early successes will be applied to Tweel fitments for passenger cars and beyond.

**POWER IS NOTHING WITHOUT CONTROL**



# Jafza-based Bridgestone Middle East and Africa FZE Maintains its growth pace with new innovative products

Bridgestone Middle East and Africa FZE, Jafza based regional strategic business unit of Bridgestone Corporation, the world's largest Tyre and Rubber Company, has said that it has maintained a steady growth in 2009, despite tougher market conditions by continuously expanding its reach in the region.

In 2008, Bridgestone MEA expanded into the Middle East and African markets focusing on Saudi Arabia, UAE, Egypt, Jordan, Lebanon, Algeria and Iran, which led to more than triple growth in its overall sales rising from AED 656 million in 2007 to AED2.4 billion in 2008.

Shoichi Sakuma, President, Bridgestone Middle East and Africa FZE said: "In 2009 we have focused our energies on building on our strengths, providing the best quality products and services to our diverse customer base in the Middle East and Africa. This has enabled us to maintain growth despite slump in the regional markets.

Moving forward, Bridgestone will work to further increase the market share all while striving to improve our current offerings and customer services."

Last year saw Bridgestone launch its B250 tyre range. Because of its quality, cutting-edge engineering and specifications, B250 has become the brand's most technically advanced basic performance tyre.

Also in 2009, the Formula One (F1) Motor Sports Race fans witnessed the first ever F1 Grand Prix in Abu Dhabi. During this occasion Bridgestone Corporation supplied tyres to all the F1 teams. These tyres had circular green markings on their sidewalls. These markings signify Bridgestone's strong commitment to Make Cars Green drive, an environmental campaign aimed at reducing the negative impact of motoring on our planet.

Bridgestone MEA has over 23,000 square-meter state-of-the-art facility in the Free Zone which stores Bridgestone & Firestone brand tires for all kinds of vehicles.

The facility also includes a regional training center which has lecture halls and houses fully-equipped 5-garage service bays for cars and two bays for trucks. All year round, training courses are being conducted by Bridgestone engineers to trainees from all over Middle East & Africa.



# Newest Eagle F1 SuperCar G:2 Flying With Newest Vette



Goodyear's newest ultra-high performance tire – the Eagle F1 SuperCar G:2 – has been tapped as OE for the 2011 Chevrolet Corvette Z06. The new Eagle F1 SuperCar G:2 is “street-refined, but track-capable,” according to Bob Toth, Goodyear’s director of new products.

The tire features an asymmetric, directional tread design with large tread shoulder blocks for dry cornering grip, and large grooves on the inboard side of the tread help wet cornering grip. The tire also sports serrated sidewall styling and distinctive lettering. The tire will be available this summer in run-flat sizes P275/35ZR18 and P325/30ZR19.



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## UP COMING EVENTS

EVENT	DATE	INFORMATION	LOCATION	WEBSITE
LPG & CNG Fair	01-04 April 10	At the present time, alternative environmental LPG & CNG is common and find acceptance worldwide against to the global warming, so to encourage using LPG & CNG, to organize public opinion about this point and to give shape to marketing channels are aims of this fair. Therefore, this fair will lay the groundwork for both domestic and international participant to enter LPG & CNG market in the region	CNR Expo Center, Istanbul, Turkey	N/A
Moscow DreamCar Show	02-04 April 10	Moscow needs a professional trade show offering all the B2B and B2C benefits for both exhibitors and visitors for this specific industry. classic cars, transport vehicles, spare parts and accessories, car maintenance equipment will be targeting manufacturers, importers & exporters of Vehicle accessories, special equipment, tuning, performance systems.	LFC CSKA Sports Center, Moscow, Moskva, Russia	N/A
American Car Show	02-05 April 10	American Car Show 2010 is an excellent platform for Automobiles, Spare Parts and Accessories industry in Helsinki. The exhibition will be held between 02 to 05 April 2010 at Helsinki Fair Centre. The event will provide the opportunity to meet all the professional form Automobile industry under one roof.	Helsinki Exhibition & Convention Centre, Helsinki, Finland	<a href="http://www.naias.com/">www.naias.com/</a>
Intermodal South America	06-08 April 10	The 15th Intermodal South America is the leading integrated exhibition and conference event for international trade, logistics, transport and cargo handling in Latin America promises to be bigger and better.	Transamerica Expo Center, Sao Paulo, Brazil	<a href="http://www.intermodal.com.br">www.intermodal.com.br</a>
Bursa Auto Show	06-11 April 10	Bursa Auto Show is 6th Automobile, Commercial Vehicles, Motorcycle, Bicycle and Accessories industry Fair.	Tuyap Bursa International Fair & Congress Center, Bursa, Turkey	N/A
Denver International Auto Show	07-11 April 10	Denver International Auto Show is Denver's leading trade fair for Automotive industry. It is organised by Paragon Group, Inc. The Denver International Auto Show is bigger & better than ever. There's more aftermarket accessories and exotic cars on display. The Show fills nearly 400,000 square feet at the Colorado Convention Center.	Colorado Convention Center, Denver, Colorado, United States Of America	<a href="http://www.denverautoshow.com/">www.denverautoshow.com/</a>

## UP COMING EVENTS

EVENT	DATE	INFORMATION	LOCATION	WEBSITE
Motoshow - Ukraine	08-10 April 10	Ukraine will offers a best opportunity to showcase latest innovative products and equipments for related industry. The event will explore the current state of market and tendencies of consumer preferences. For 3 days this exhibition is being organized by Sport Expo.	Venue: Kiev Expo Plaza Exhibition Center, Kiev, Kiev City, Ukraine	<a href="http://www.motoshow.kiev.ua/eng">www.motoshow.kiev.ua/eng</a>
Tuning Istanbul	08-11 April 10	Tuning Istanbul will offers a best platform to interact directly with the professionals of automotive industry. The exhibition will showcase latest products and equipments for related industry under one roof at the CNR Expo Center. This prestigious event will be held between 08-11 April 2010.	CNR Expo Center, Istanbul, Turkey	<a href="http://www.tuninglinx.com">www.tuninglinx.com</a>
Auto Mobil International	10-18 April 10	Auto Mobil International (AMI 2010) is the trade fair for vehicle parts, workshops and service station equipment. It will be the most important motor show in Central Europe during the first six months of the year when sales are high.	Leipzig Exhibition Centre, Leipzig, Sachsen, Germany	<a href="http://www.ami-leipzig.de">www.ami-leipzig.de</a>
Taipei International Auto Parts & Accessories Show	12-15 April 10	Taipei International Auto Parts & Accessories Show, a mega show of automobile first time of its own in Taipei. It is an excellent platform for you to generate good business fortunes, unparallel exposure to automobile fraternity, cross-fertilization of ideas an opportunity to present your proposition to consumers.	Taipei World Trade Center, Taipei, Taiwan	<a href="http://www.taipeiampa.com.tw">www.taipeiampa.com.tw</a>
Commercial Vehicle Show	13-15 April 10	The Commercial Vehicle Show is Britain's largest and most successful transport, distribution and logistics event. Now in its tenth year, it has gone from strength to strength delivering more exhibitors and visitors every year. In 2010 the Show returns to halls 1 - 5 of the NEC, with a combined area of over 90,000 square metres, so planning your exhibit or visit needs care.	National Exhibition Centre, Birmingham, England, United Kingdom	N/A
Truck World	15-17 April 10	Truck World will be the first time that most of the new models will be seen in Canada. It is the first event of its kind in Canada that offers truckers real opportunities to learn the secrets that trucking company executives know and practice in today's Industry.	Toronto International Centre, Toronto, Ontario, Canada	N/A

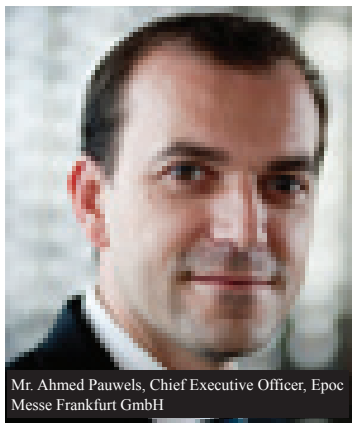
# Dubai's direct trade in auto parts and accessories remains robust

**Parts & accessories represent the largest group for imports and exports in the automotive market with Germany being the number one source market and Iran representing the largest export destination.**

News is good for the Automotive Parts and Accessories industry in Dubai with total direct trade figures registering US\$2.4bn in the first half of the year 2009, on a par with 2007 figures.

In 2008, Japan registered as the largest importer for Dubai with Iran proving to be one of the key destinations for re-exports. Spare Parts & Accessories represent the Dubai automotive industry's largest segment at 52% of its import and re-export market.

Mr. Ahmed Pauwels, Chief Executive Officer, Epoc Messe Frankfurt GmbH said: "These latest figures from DP World Statistics Department for the first half of the year just past bring welcome news to the industry and are testament to the fact that the sector remains robust."



Mr. Ahmed Pauwels, Chief Executive Officer, Epoc Messe Frankfurt GmbH

*"These latest figures from DP World Statistics Department for the first half of the year just past bring welcome news to the industry and are testament to the fact that the sector remains robust."*

He also added: "General consensus is that figures from Half Two of 2009, which will be revealed at our show in May, will be even stronger. This builds confidence that the automotive aftermarket remains in high stead for 2010 and beyond. We are excited about the 8th edition of Automechanika, which has already attracted key industry figures and expectations are high for a high quality and successful event."

DP World Statistics Department will release the complete figures for 2009 at Automechanika Middle East 2010. Automechanika Middle East is the region's

leading trade fair for the automotive aftermarket sector and is organised by Epoc Messe Frankfurt GmbH.

In 2008, alongside Japan, other key import countries for Dubai included U.S.A., Germany, U.K., China and South Korea. Dubai's automotive re-export market mainly features countries from the Middle East and Africa region including Saudi Arabia, Nigeria, Pakistan, Iran and Iraq, amongst others. During Automechanika 2009, 26% of registered visitors were importers and 17% were exporters. A total of 958 exhibitors participated in the show representing 46 different countries.

Parts & accessories represent the largest group for imports and exports in the automotive market with Germany being the number one source market and Iran representing the largest export destination. 54% of those parts & accessories imported in 2008 were then re-exported.



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# Continental prepares for volume production of the next generation of Head-Up Displays

Two European car manufacturers have chosen to use the new head-up display from Continental. The first volume productions of the more compact, yet more powerful, head-up display are scheduled for 2010 and 2011.



The international automotive supplier is preparing for volume production of the next generation of head-up displays. After the introduction six years ago of the first generation of a head-up display that was based on a powerful TFT display that could depict any image depiction two different vehicle manufacturers will begin to use a new generation head-up display in 2010 and 2011. The Interior division of Continental is currently constructing the new product lines at its plant in Babenhausen, Hesse, near Frankfurt, Germany.

In addition, in order to enable future use of the head-up-display in small models, the developers at Continental's Interior division have reduced the installation space required for the head-up display by almost half compared to the first generation. This should allow even more drivers to discover the advantages of the system. Car manufacturers can use the head-up display to show various information relevant to the journey, such as speed, navigation details and warning information, directly in the driver's line of vision. This allows the driver to fully concentrate on the road without missing out on important information. This in turn leads to increased safety, as it takes an average of one second to read information on the screen in the central console, which at 50 km/h means the vehicle already has traveled approximately 14 meters.

Reducing the installation space was one of the most important goals for the Continental engineers. Even with the restricted space in the cockpit, there had to be at least a minimum amount of room for the optical system to project a high-quality virtual color image. Like glancing in a rearview or side mirror, the driver sees the virtual image, but not as a flat, static picture on the windshield. Rather, the driver perceives it as "floating" over the hood at a distance of about two meters.

With the new generation of head-up displays, the Interior division of the Continental Automotive Group has met the manufacturers' requirements for tailor-made products, while at the same time optimizing costs. The modular concept allows the customer to use a range of illustrative elements according to their needs, and can project a high-quality image in a large variety of vehicles. This forms an ideal basis for presenting information from driver assistance or navigation systems. This way, the driver can directly register and use this information without taking his or her eyes off the road.



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## Several reasons why a wheel upgrade is beneficial for your car.

Alloy wheels can dramatically change the look of your car and can be considered the shoes of your vehicle. Other than looks they can give several other advantages which can be beneficial for your ride as we have come to know from Hamid Moaref (Manager of the wheels and accessories division of Varga Trading and sole distributor of König Wheels)

A rim is a usual structural element of a car wheel. This metal cylinder can also be a custom accessory that improves the appearance, steering and traction capabilities of the wheel. The style and size of the rims not only affect the appearance, steering and traction, it is also the one responsible for the handling and the ride. A shiny rim is flashy and makes a car more noticeable and chic. A larger diameter rim is used with a low tire for improved handling.

Light alloy casting wheel rims can turn several envious heads. This has the advantage of being lighter as compared to other kinds (steel wheels) which would also help the environment as you would be reducing fuel consumption. It is a great option for driving in different places, especially where traffic congestion is usual. Most of the alloy rims are designed to persuade cool airflow over the brakes in order to avoid overheating.

It is very important to choose the right type of rims for you because wheels greatly vary from one vehicle to another. What is functional and good looking for one car may not be compatible to the specs of your own car.

Choose a style of rim that has a stretched vertical diameter or horizontal diameter, adding a unique appeal to your car or implementing better performance. Wide rims can improve your car handling and performance. Larger rims can look really sharp, particularly when your car is in motion. Trust your instincts because the right style of rims is a matter of personal preference rather than its counterpart.

Hamid Moaref states: "Choosing the right kind of wheels is very important because it affects the looks of your vehicle dramatically and that is why König wheels motto is "Style is King".

In summary here is a list of benefits of changing your wheels:

- 1)Improving looks of your vehicle
- 2)Improved handling
- 3)Improving your gas mileage
- 4)Improves cooling of your brakes





## 911 GT3 R Hybrid Celebrates World Debut in Geneva

Exactly 110 years after Ferdinand Porsche developed the world's first car with hybrid drive, the Lohner Porsche Semper Vivus, Dr. Ing. h.c. F. Porsche AG, Stuttgart, is once again taking up this visionary drive concept in production-based GT racing: During the Geneva Motor Show, a Porsche 911 GT3 R with innovative hybrid drive is making its debut at the Geneva Motor Show, opening up a new chapter in the history of Porsche with more than 20,000 wins in 45 years scored by the extremely successful Porsche 911 in racing trim.

The innovative hybrid technology featured in the car has been developed especially for racing, standing out significantly in its configuration and components from conventional hybrid systems. In this case, electrical front axle drive with two electric motors developing 60 kW each supplements the 480-bhp four-litre flat-six at the rear of the 911 GT3 R Hybrid. A further significant point is that instead of the usual batteries in a hybrid road car, an electrical flywheel power generator fitted in the interior next to the driver delivers energy to the electric motors.

The flywheel generator itself is an electric motor with its rotor spinning at speeds of up to 40,000 rpm, storing energy mechanically as rotation energy. The flywheel generator is charged whenever the driver applies the brakes, with the two electric motors reversing their function on the front axle and acting themselves as generators. Then, whenever necessary, that is

when accelerating out of a bend or when overtaking, the driver is able to call up extra energy from the charged flywheel generator, the flywheel being slowed down electromagnetically in the generator mode and thus supplying up to 120 kW to the two electric motors at the front from its kinetic energy. This additional power is available to the driver after each charge process for approximately 6 - 8 seconds.

Energy formerly converted – and thus wasted – into heat upon every application of the brakes, is now highly efficiently converted into additional drive power.

Depending on racing conditions, hybrid drive is used in this case not only for extra power, but also to save fuel. This again increases the efficiency and, accordingly, the performance of the 911 GT3 R Hybrid, for example by reducing the weight of the tank or making pitstops less frequent.

After its debut in Geneva the 911 GT3 R Hybrid will be tested in long-distance races on the Nürburgring. The highlight of this test programme will be the 24 Hours on the Nordschleife of Nürburgring on May 15th and 16th. The focus is not on the 911 GT3 R Hybrid winning the race, but rather serving as a spearhead in technology and a “racing lab” providing know-how on the subsequent use of hybrid technology in road-going sports cars.

The 911 GT3 R Hybrid is a perfect example of the Porsche Intelligent Performance philosophy, a principle to be found in every Porsche: More power on less fuel, more efficiency and lower CO2 emissions – on the track and on the road.



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# Max Garage Celebrates its 30 years



Most people in Dubai have heard of Max Garage, but don't really know who they are and what they do. Max even has a Bus Stop named after them somewhere in Rashidiya and it has been used as a landmark for years. So, who really are these guys?

The story dates to back in the day, 17 Jan 1980 to be more precise, when a little workshop in Rashidiya opened its doors for business. Back then there were but a handful of non-franchised garages that covered Rashidiya and Al Ghusais, not like the plethora of workshops that currently dot the Dubai landscape.

Over the years, Max Garage earned a reputation for providing reliable service and sound counsel for all its customers various auto repairs and service needs. It has established long-term relationships with its loyal customers who grew to depend on the Max guarantee for efficient, cost-effective and personalized service.

For Max it's a love affair with the automotive world and ironically on 14 February 2006 it opened a state-of-the-art branch in Al Quoz, to cater to the new Dubai residents.

Max's meticulous attention to detail and industry expertise has earned it a place on the approved panel of some of UAE's Car Enthusiasts Groups like "Dubai Classic Car Owners Group" and UAE's leading automotive insurance companies; reinforcing the company's position as a trusted market leader.

On 17 Jan 2010, they celebrated their 30 years in business. When asked, what keeps Max Garage growing, "We'll look at any car to be honest," says Vijay Pillai, the owner of Max. "You never know what's going to come through the door next. However, I'm always honest with people about their cars".

Honesty, trust and reliability are the mantras on which Max Garage has been built upon and we hope they keep those philosophies and continue to grow.

# RTF 2010

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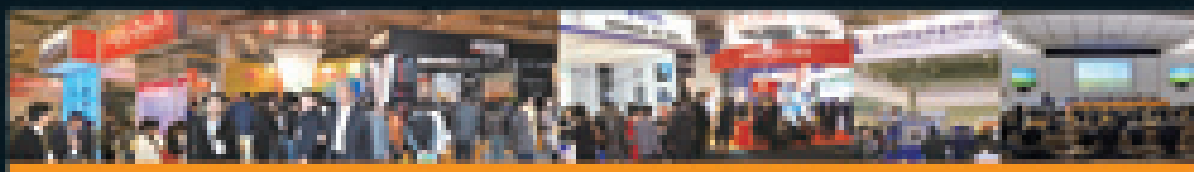
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# Multimedia reference system from Bosch

New generation of infotainment systems Dual architecture offers greatest operating safety



**B**osch plans to present a new development highlight at this year's International Motor Show (IAA) in Frankfurt am Main. The Car Multimedia division will showcase the rototype of a multimedia reference system. This is the first example of a Linux-based multimedia environment using an Intel processor.

With this new development, Bosch will show how the integration of current multimedia applications can be easier and less expensive in the next system generation than in the systems that are currently available on the market. Without the complicated porting previously required, it will be possible to introduce new multimedia applications more rapidly than ever before.

Dual architecture in the newest generation As the latest applications in the field of consumer electronics find their way into the automobile, the demands made on automotive architecture, computer power and the safety of in-vehicle communication technologies continue to increase. With its new reference system, Bosch now presents an innovative solution: What is special about it is the strict separation between the automotive and the multimedia subsystems. This allows the simultaneous and, most importantly, the safe operation of all the electronics in the vehicle because these two areas are strictly separated. First, there are the vehicle-relevant functions such as navigation and radio, which are available at any time. And then, there are the integrated multimedia applications, which are not relevant for driving, such as the MP3 player, cell phone, electronic games or a video system. The technical implementation is based on the use of a modern chip, which controls the multimedia sub system. An integrated firewall provides for the data security and reliability required; it protects the system from any outside interference.

Modern channels of communication for the vehicle passengers This means that the new architecture has been designed to guarantee highest operating safety, while at the same time allowing the connection of the latest devices for entertainment and communications technology in the vehicle. For multimedia entertainment, the system is equipped with an internet browser as well as applications to allow access to such services as YouTube, GoogleEarth or Last.FM. E-mail access is part of the package, as is a document viewer, which can be used to view documents in such different file formats as PDF, Excel, Word and PowerPoint. It is also possible to play and archive films and music files. With an attractively designed touch-screen user interface, the 7-inch LCD screen provides for dynamic effects to make operation intuitive and easy.

Advantages of dual architecture for the vehicle driver and the vehicle manufacturer The use of existing Linux applications makes for a particularly quick time to market and allows the rapid integration of current multimedia applications, enabling the driver to make use of the newest technologies in the vehicle.

The system architecture features scalability to cover systems with standard as well as premium requirements. The option of integrating peripheral components in the automotive environment is cost efficient. This reference system prototype represents an extremely powerful approach to mastering the demands made on driver information systems in the next generation.

# ONYX Bentley Continental Platinum GTO package

Onyx are back and this time have moved away from the SUV market to concentrate on one of Britain's top luxury vehicles the Bentley Continental GT. The conversion consists of a revised front bumper with carbon fibre inserts, DRL's and a carbon fibre lower splitter. The sides have been widened with some clean cut arches and sideskirts. Lastly but certainly not least is the rear with a revised rear bumper and smashing looking rear carbon fibre diffuser. The boot lid has also been complimented with a carbon fibre touch in the form of a deck spoiler. Adding to the exterior conversion ONYX also have the additional extras that they offer to all their vehicles, this being bespoke buffalo hide leather interior and carbon



fibre interior panelling. As always the Irish tuners have their own suspension lowering system, the engine power upgrade which they haven't given an exact figure yet but have said that for the normal GT being 550BHP this will be over the 640BHP mark. Lastly they have given the car a set of their own 22" TPM matt black wheels which gives the vehicle a great stance. Onyx have said that they have another 2 wheel designs that they will be launching shortly and this Bentley conversion will be on the market from May this year. For more information on this visit the Onyx website at [www.onyxconcept.com](http://www.onyxconcept.com)

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# Dramatic Vauxhall concept to debut with Meriva at Geneva



Luton – Vauxhall will unveil not one, but two cars at this year's Geneva Motor Show on March 2, with world premieres of the all-new Meriva compact MPV and a futuristic concept car, which is set to boost the company's credentials as a leader in environmental vehicles.

Bolstering this message still further at the show will be the groundbreaking Ampera extended-range electric vehicle and Vauxhall's most economical production car to date, the latest Corsa ecoFLEX.

'Vauxhall is covering all bases at Geneva,' said Duncan Aldred, Vauxhall's Managing Director. 'With the Meriva, we have a unique and innovative take on family motoring, but the concept car and Ampera prove that we are truly at the forefront of environmental technology. These vehicles also show that their versatility and efficiency doesn't come at the expense of stunning design.'





But this isn't the Meriva's only innovation. FlexRail transforms the conventional centre console into a convenient and adaptable storage area for a wide range of everyday items, from handbags and colouring books to iPods and sunglasses.

Complementing FlexRail is the Meriva's clever FlexSpace seating system, which offers a range of cabin configurations without having to remove any of the seats. Both its outer rear seats can be moved fore and aft individually, and also slide inwards to provide more shoulder width and leg room.

The Meriva's flexibility is enhanced by an expressive and dynamic silhouette to its basic cab-forward design. Like the Astra and Insignia, a 'blade' features down the side of the body, complementing a window line with a distinct 'wave' accentuating the FlexDoors.

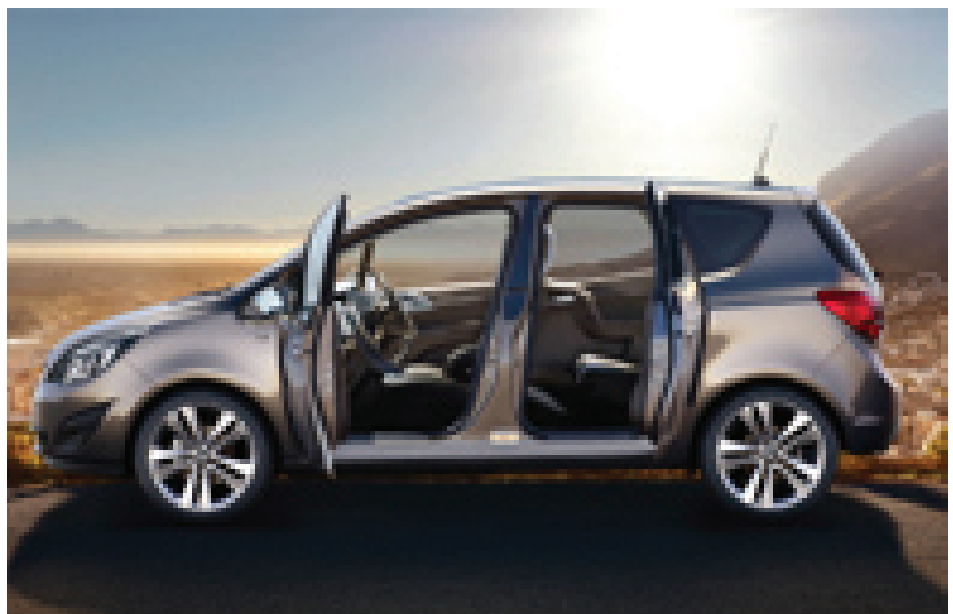
Six turbocharged powertrains with outputs ranging from 75-140PS will be available when the Meriva hits UK showrooms in June this year, with a high-mpg/low-CO2 ecoFLEX model joining the range, too.

## **Revised Corsa range – now featuring Vauxhall's most economical model ever!**

While E-REV tech forms a crucial part of Vauxhall's green game-plan, developing highly efficient – but exceptionally driveable – cars powered by conventional engines is still important, something which the latest mid-life improvements to the big-selling Corsa range illustrate perfectly.

Thanks to the Corsa, Vauxhall is set to sell more sub-125g cars than any other model range in the UK this year due to significant efficiency gains in its engine line-up. The ultra-economical units – all of which, bar the VXR model, exceed 50mpg combined when fitted with a manual gearbox – are joined by a raft of improvements to the Corsa's chassis, boosting its driver appeal still further.

The economy star of the range is the latest ecoFLEX model, which not only gains 20PS of power, but also achieves a combined 76.3mpg and emissions of just 98g/km.



## **Meriva – the flexibility champion**

Vauxhall's new Meriva is set to turn the conventional concept of family-car usability on its head with a combination of clever, rear-hinged back doors which radically improve access/egress, and a raft of unique cabin features that boost interior versatility.

The Meriva's FlexDoors are rear-hinged back doors which swing open towards the back of the car at an angle of nearly 90 degrees, vastly improving the ease with which occupants enter and leave the cabin – a major benefit for both parents with young children, as well as older people.



# Al-Futtaim Motors adopts the MPS super-fast smart paint repair solution.

Two days without a car for paint and body repairs now a thing of the past.



**F**or car owners wanting to repair their car's paintwork, the wait is now over. Al-Futtaim Motors has partnered with Micro Paint System (MPS) Gulf to reduce what was traditionally a two-day process down to just 60 minutes on average.

Toyota and Lexus owners across the UAE can now benefit from combining paint and body repairs with regular mechanical servicing, dramatically reducing the amount of time they are without their cars.

MPS's revolutionary SMART (Small/Medium Area Repair Techniques) process is a new, non-toxic way of repairing anything from stone chips to minor accident damage. Using cutting edge nanotechnology, this unique paint repair solution allows Al-Futtaim Motors' professionally trained technicians to repair minor damage without the need for extensive masking, large spray booths and extended drying times.

The MPS process is approved worldwide by both Japanese car brands and leads the market by delivering a guaranteed, flawless finish that matches the factory colour of the car, all in a fraction of the time required using conventional body shop methods.

"MPS has totally changed our throughput at the workshop," said Kevin Jones, Senior General Manager, Service, Al-Futtaim Motors. "What would have taken us a couple of days to fix can now be turned around in a fraction of that time. This means that our customers' cars can be repaired whilst they are being serviced, so they are back on the road without any delay."

Unlike other systems, MPS is 100% isocyanate free and completely harmless. It can be used without breathing apparatus and can be applied in a non-controlled environment. This allows technicians to work alongside service centre staff as they take care of standard service items.

It is also environmentally friendly, with the lowest volatile organic compound VOC content of any paint solution currently on the market, well ahead of current and future EU paint legislation. The MPS process is a truly green solution in keeping with the high standards in environmental practices that Al-Futtaim Motors adheres to.

"To partner with a market leader like Al-Futtaim Motors as our first GCC customer is a huge vote of confidence in our Micro Paint System," said Greg Herron, Executive Director of MPS Gulf. "Customers now have the option of getting annoying dents and scrapes repaired while their car is being serviced and without having to wait any longer."

"For automotive distributors and dealers, it means that their workshops are not tied up waiting for freshly painted cars to dry. They can also keep the service line moving and increase their throughput. It really does have to be seen to be believed."

MPS Gulf also offers a number of other products including CCR (Clear Coat Rejuvenation) which rejuvenates the clear coat that protects the paint surface on vehicles, HLR (Head Light Rejuvenation) which returns milky and faded headlights to a brand new finish, and OBP (Optical Brilliance Protection) which re-awakens tired paint, giving a brilliant finish and restoring much of the lustre lost from sun damage and poor cleaning methods.

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## Philips Aurea TV

Super Slim and Stylish LCD TVs including the latest LED series, in all sizes and with award winning picture quality from Philips. Immerse in a unique experience with Ambilight Active Frame! This patented Philips technology uses over 250 LEDs to create a multi-coloured frame of light around the screen and extending onto the wall. Ambilight adjusts automatically the colour and brightness of the light surrounding the TV to match with the picture, creating an immersive viewing experience. Experience a touch of magic with the Ambilight Active Frame.



## Riiflex 2lb. Dumbbells

The Riiflex 2lb dumbbells are ergonomic, gym-quality weights that fit your Wiimotes, and give you a true calorie-burning resistance workout while you play! Molded of tough polycarbonate, with cast-iron weights and a soft-touch rubber overmold, these weights won't slip out of your hand, and won't break if they fall off your coffee table. Wiimotes not included.

## Davidoff Hot Water

Davidoff Hot Water is fresh, spicy and jubilant. It is for the man with an authentic and magnetic charisma. Davidoff Hot Water arrives as a fiery oriental, masculine fragrance. Top notes feature absynth and red basil, a heart introduces hot accords of pimento and patchouli, while a base encompasses styrax and benzoin. The flacons is very appealing, coloured in dark red. A fragrance that is on our top list!



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## Bugatti Tourbillon Watch

Luxury Swiss watch manufacturer Parmigiani announced the latest in the line of Bugatti concepts developed by Parmigiani that underscores the watchmakers' technological virtuosity in a new dimension - or rather four.

The challenge this time relates to how the timekeeper is worn and how it can always be kept close by, in all of life's situations. Evolving to the rhythm of the requirements of both day and night, the new Parmigiani Bugatti concept with its prestigious tourbillon movement is being transformed. With the greatest of ease, it can be adapted for use either on the instrument panel of the new Bugatti car, as a wristwatch worn by the owner, a pocket watch for more discretion, or a table clock to mark the most private hours spent at home or in the office.

Parmigiani watches remain steadfast in their commitment to perfection. Every watch is handmade in workshops in Fleurier and exclusivity is virtually guaranteed as only a few thousand timepieces are created annually.



## Samsung's LTE netbook

Samsung demonstrates live video streaming via the company's own LTE network equipment on the Samsung netbook N150. The Samsung netbook N150 is currently available in market with HSPA 3G communications and WiFi access and will become commercially available with LTE according to service schedule and market demand. The inclusion of LTE will deliver high speed, low latency and ubiquitous connectivity to all users who require high-volume data access whenever they want and wherever they are. With its high-quality design and great value, the Samsung N150 offers users everything they need in a portable netbook. The N150's 10.1" anti-reflective LED display gives users fine-tuned images with the sharpest detail and boldest colours, without the inconvenience of mirror effects under bright lights or in sunny weather.

## Bentley Motors' Mulsanne

### A new flagship interpreted by Tibaldi

For a new Bentley to merit the name "Mulsanne", inspired by the legendary straight and corner at the Le Mans circuit, that vehicle must reflect the glory of the challenges that honed the marque's reputation.

As interpreted by Tibaldi, the TIBALDI FOR BENTLEY MULSANNE pens will marry two traditions, two aesthetics. Now an established family of writing instruments for connoisseurs, the pens fashioned by the Italian maker for England's greatest automotive force employ the proportions and patented technologies of Tibaldi, with the forms and details prescribed by the cars they honour. Notes Tibaldi CEO, Giuseppe Aquila, "The greatest challenge when developing these extraordinary pens has been the production of the wood components, which were designed to match the interior of this outstanding new car."







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