



Media information
03 January 2019

Out of this world: the BMW Individual M850i xDrive Coupe Night Sky.

Stellar one-off version of the luxury sports car features controls made from meteoritic material, extra-terrestrial surface patterns, illuminated constellations on the centre console and 3D-printed components – BMW Individual takes exclusivity in design and material selection into a whole new dimension.

Munich. For over 25 years now, the BMW Individual Manufaktur customisation facility in Garching near Munich has been producing exceptionally high-quality equipment features, extraordinary special-edition models and spectacular one-offs – all sporting a highly distinctive design and further enriched by the world's finest, most precious materials. And the bespoke styling specialists have now opened up a new dimension in exclusivity by looking beyond our planet and bringing the night sky into the car. In the BMW Individual M850i xDrive Coupe Night Sky (fuel consumption combined: 9.8 – 9.7 l/100 km [28.8 – 29.1 mpg imp]; CO₂ emissions combined: 224 – 221 g/km), applications made from meteoritic material grace selected controls. Human fascination with the infinite vastness of the universe is also mirrored in the illuminated constellations of stars on the centre console and in the surface design of the luxury sports car's trim finishers, seat backrests, brake discs and exterior add-on parts, which draws inspiration from celestial bodies.

The BMW Individual M850i xDrive Coupe Night Sky will be presented in the run-up to an exceptionally intense meteor shower expected to take place overnight from 3 – 4 January 2019. The show of shooting stars will begin when the Earth briefly passes through the orbit of the asteroid 2003 EH, during which time fragments from the asteroid will enter our planet's atmosphere and burn up. On rare occasions, smaller rocks in space penetrate our planet's protective shield and fall to Earth as meteorites. Some of these extra-terrestrial fragments have now been incorporated into the cabin of the BMW Individual M850i xDrive Coupe Night Sky.

By employing materials that are literally out of this world, BMW Individual Manufaktur has succeeded in giving the car unique and highly original aesthetic appeal and, in the process, pushed back the boundaries once again of what can

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be achieved when designing a car interior. The meteoritic rock adorns the whole of the centre console's trim plate, the start/stop button for the V8 engine, the selector lever for the eight-speed Steptronic transmission and the Touch Controller for the iDrive system, creating a visual and tactile effect unparalleled in the automotive sector. Inlays made from meteorite material have also been incorporated into the door sill finishers, together with an illuminated model badge. All of which ensures the BMW Individual M850i xDrive Coupe Night Sky embodies luxury and exclusivity at an unprecedented level.

BMW Individual Manufaktur: birthplace of one-off specimens with a character of their own.

The BMW Individual Manufaktur customisation facility has always specialised in the production of one-off creations that lend expression to BMW drivers' personal sense of style. Its mission is to turn individual customer requests into reality. The specialists from BMW Individual work together with the customer to produce bespoke solutions that range from extraordinary exterior paint finishes to exotic materials for the interior, special equipment features, accessories, stitching patterns, engravings and inlays. During the design and manufacturing process, creativity, attention to detail, craftsmanship, an uncompromising commitment to quality and a flair for the exceptional merge together to create truly unique cars.

In its quest for new creative possibilities, new combinations of materials and new processing techniques, BMW Individual frequently collaborates with big design names and famous luxury firms from other sectors. Input from artists and scientists helps to build the know-how needed to develop new products and exclusive one-offs. In designing the BMW Individual M850i xDrive Coupe Night Sky, BMW Individual called on the expertise of researchers at the Max Planck Institute for Extraterrestrial Physics, which is also located in Garching.

One of a kind: Widmanstätten-patterned surfaces.

Expanding on the use of meteoritic material for the controls inside the sports car, the design of many other interior and exterior elements takes its cues from a structure that only occurs in natural form on extra-terrestrial objects: the distinctive Widmanstätten surface pattern of meteorites. The strictly geometric structure, with its straight lines, has the appearance of ice crystals and becomes visible when certain types of iron meteorite are polished or brought into contact

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with acidic compounds. The structure is the result of the metal alloy cooling down in an extremely slow process that cannot be reproduced on Earth, making it an unmistakable signature of extra-terrestrial material. The unique pattern was first observed back in the early 19th century by a number of people, including the Austrian scientist Alois von Beckh Widmanstätten, after whom it is named.

The singularity of the Widmanstätten structure is symbolic of BMW Individual's ongoing pursuit of innovative design solutions never seen before. Visible in the hand-stitched headliner and on the centre console's trim finishers, it has also been milled into the brake discs of the BMW Individual M850i xDrive Coupe Night Sky. This distinctive meteorite pattern can also be found on the exterior mirror caps, the front splitters for the side air intakes at the front of the car, the centre mesh plate and the surrounds for the Air Breathers on the front side panels. These exterior components were all specially developed for the BMW Individual M850i xDrive Coupe Night Sky and individually manufactured using a 3D printing process.

The result of motor sport and manufacturing know-how: innovative, ultralight brake callipers with bionic design, made using 3D printing methods.

The same innovative additive manufacturing process is employed for making the brake callipers. Here, 3D printing techniques take intelligent lightweight design to a new level. The aluminium brake callipers with bionic design fitted on the BMW Individual M850i xDrive Coupe Night Sky were developed by BMW Motorsport and are up to 30 per cent lighter than components produced using conventional methods. The substantial reduction in unsprung mass produces a noticeable improvement in driving dynamics and ride comfort.

The BMW Group harnessed both its motor sport know-how and its expertise in the application of 3D printing for aluminium components to help it develop and manufacture the pioneering, bionic-design brakes. When creating the brake callipers, it was possible to reduce their mass to the minimum required to meet technical requirements, meaning that only the material needed for the brakes to work is used. The resulting form, whose construction mimics that of bones – with an optimum balance between component rigidity and weight – can only be produced using an additive manufacturing method and not with conventional

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casting techniques. What is more, it was possible to incorporate the brake fluid channels into the structure of the brake callipers. Additive manufacturing was again key to producing this integral design, which has additional benefits for the installation and rigidity of the lightweight braking system.

Innovations for individuality: leather trim in tri-colour design and LED-illuminated star constellations on the centre console.

BMW Individual fine-grain Merino leather trim in tri-colour design and the Opal White/Midnight Blue/Silver colour scheme constitute another first for interior styling. The Widmanstätten structure – a defining feature of the BMW Individual M850i xDrive Coupe Night Sky interior – is repeated in the stitching pattern for the seat centre sections.

The centre console armrests add another touch of brilliance, their special design inspired by the glittering heavens at night. LED units are used to illuminate their surfaces, producing the effect of a star-studded sky and giving the luxury sports car's cabin a richly atmospheric feel. Deep-pile carpeting in Midnight Blue puts the finishing touches to the stylish interior ambience.

The exterior paintwork of the BMW Individual M850i xDrive Coupe Night Sky adds to its captivating aura. The BMW Individual special paint finish deftly combines two colour tones to achieve a high-impact effect. Black non-metallic was used as the base colour for the body. A second coat in San Marino Blue metallic was then painted over it in a graduated effect from the bottom edge of the body up to the top of the wheel arches. Finally, three layers of clear coat with varying pigment particle sizes were applied to give the paint finish a remarkable sense of depth.

The perfect platform for a mesmerising one-off: the BMW M850i xDrive Coupe luxury sports car.

The new BMW M850i xDrive Coupe provided the ideal basis for this sensational one-off model from BMW Individual Manufaktur. With its 390 kW/530 hp V8 engine, track-tuned chassis technology and BMW xDrive intelligent all-wheel-drive system, the four-seater brings a new brand of sporting flair, emotional appeal and hallmark BMW driving pleasure to the luxury segment. Developed alongside both the BMW M8 and the BMW M8 GTE endurance racing car, the

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BMW M850i xDrive Coupe is built around a flawlessly honed overall concept that translates into captivating performance on the road. Sophisticated chassis systems enable the coupe to cover an exceptionally broad spectrum between sportiness and comfort, complementing the car's dynamic prowess with outstanding everyday usability and long-distance capability.

The BMW M850i xDrive Coupe's emotionally engaging body design is a product of the brand's new design language, which conveys sporting appeal, sensual allure and exclusiveness through a core focus on precision and clarity. Like the optional carbon-fibre roof, a selection of special details elsewhere on the car serve to optimise its aerodynamic properties and lower its weight. Together with its low centre of gravity, long wheelbase and wide tracks, this helps the BMW M850i xDrive Coupe to blend sports performance and luxurious ride comfort more cohesively than any other car in its segment.

The figures for fuel consumption, CO₂ emissions and power consumption are calculated based on the measurement methods stipulated in the current version of Regulation (EU) 2007/715. The information is based on a vehicle with basic equipment in Germany; ranges take into account differences in wheel and tyre size selected as well as optional equipment and can change during configuration.

The details marked * have already been calculated based on the new WLTP test cycle and adapted to NEDC for comparison purposes. In these vehicles, different figures than those published here may apply for the assessment of taxes and other vehicle-related duties which are (also) based on CO₂ emissions.

For further details of the official fuel consumption figures and official specific CO₂emissions of new cars, please refer to the "Manual on fuel consumption, CO₂ emissions and power consumption of new cars", available at sales outlets, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Schramhausen and at <http://www.dat.de/angebote/verlagsprodukte/leitfaden-kraftstoffverbrauch.html>.

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The BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial and mobility services. The BMW Group production network comprises 30 production and assembly facilities in 14 countries; the company has a global sales network in more than 140 countries.

In 2017, the BMW Group sold over 2,463,500 passenger vehicles and more than 164,000 motorcycles worldwide. The profit before tax in the financial year 2017 was € 10,655 billion on revenues amounting to € 98,678 billion. As of 31 December 2017, the BMW Group had a workforce of 129,932 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company has therefore established ecological and social sustainability throughout the value chain, comprehensive product responsibility and a clear commitment to conserving resources as an integral part of its strategy.

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