# SELECT

No. 3 | 2017 Porsche Magazine

# Access all Areas

RACING-TEA

A visit to the sports car laboratory, on the trail of the 2018 Porsche Calendar



### Editorial

### **Access all Areas**

This SELECT Magazine is our backstage pass to a place only few people are permitted to access. In this issue, we follow the new Porsche Calender to Flacht, home of Porsche Motorsport. In discovering the motifs of the 2018 Calendar, we took a peek behind the scenes and watched the daily work of the engineers, designers and test drivers who laid the foundations for this year's 19th overall victory for Porsche at Le Mans. However the focus of our observations was not just on racing cars, but also on current series production models. Because it is through them that the technologies developed in Flacht – technologies based on over 60 years of motorsports experience and over 30,000 racing victories – find their way on to the roads.

We start out with the MARTINI RACING Collection, and get to meet a true Porsche legend: the Porsche 917 long tail, one of the most successful racing cars of the 1970s. We then take a look at the driving simulator, in which we give our all for a new best time on the digital track. Before switching to the test circuit in Flacht, putting the new 2-in-1 jacket through its paces in a 718 Boxster S.

This issue – created amidst hoisting platforms, high-tech equipment and a whole lot of dedication to the Porsche cause – therefore promises to reveal some sides of Porsche you won't yet be familiar with. We hope you enjoy reading it, and hereby cordially welcome you to Flacht.

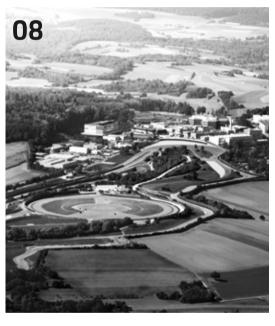
The SELECT editorial team

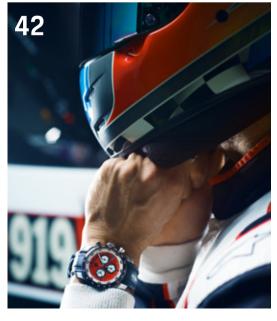
### Contents



More than once, Porsche has made motosports history – with passionate fighting spirit and innovative technologies born in the Porsche Research and Development Centre in Flacht. Among the eternal heroes of this history is the 917, a car whose many triumphs include the very first Porsche overall victory at Le Mans in 1970. In 1971, its long-tail version featuring the legendary MARTINI RACING branding was clocked at a phenomenal maximum speed of 386 km/h at the Circuit des 24 Heures. Find out more from page 16 onwards.







### 06

2018 Porsche Calender

08

Backstage in Flacht

10

The new 911 GT2 RS

### 12

The digital racing circuit

### 16

MARTINI RACING Collection

28

At the test circuit

### 38

The 919 Hybrid

### 40

In the racing simulator

Fuel consumption 911 Targa 4 GTS: urban in I/100 gkm [mpg] 13.3–11.2 [21.2–25.2]; extra-urban in I/100 gkm [mpg] 7.6–7.3 [37.2–38.7]; combined in I/100 gkm [mpg] 9.7–8.7 [29.1–32.5]; C0<sub>2</sub> emissions in g/km 220–196

#### 44

The 911 RSR

### **46**

The new Cayenne

### **50**

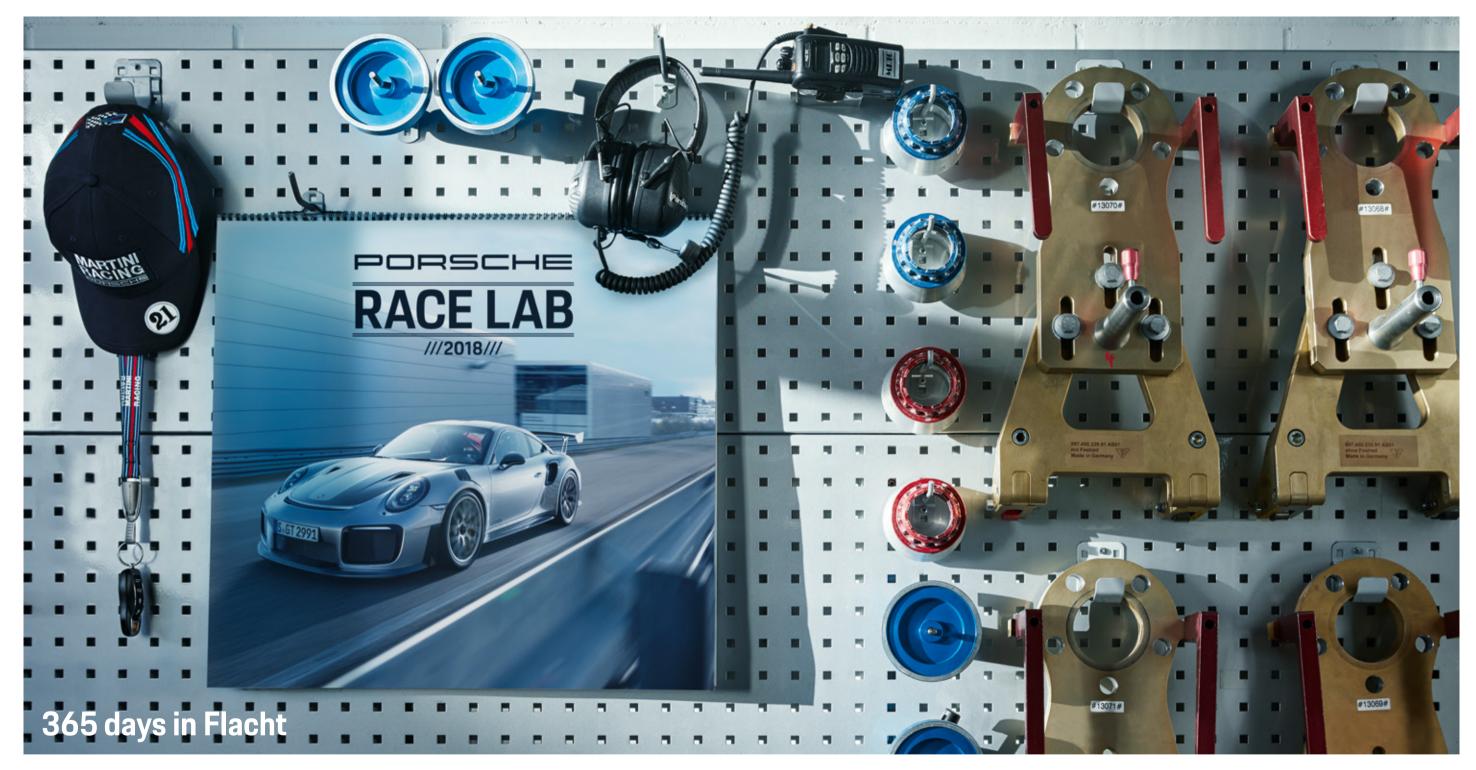
The Porsche Travel System by RIMOWA®

### 54

Driver's Darlings

#### **58**

Product overview Imprint



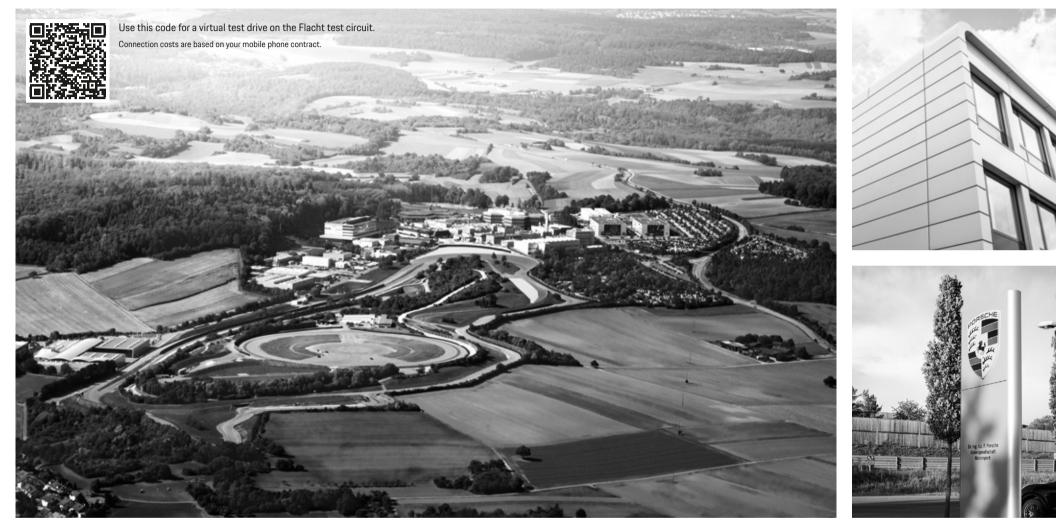
Porsche has its roots in motorsports. The 2018 Porsche Calendar offers fascinating insights into life at the Porsche Motorsport Centre, a place where some of the world's most technologically advanced racing cars are developed. Its 13 motifs feature scenes such as the 911 GT2 RS on the test circuit or the glorious return of a 919 Hybrid after a race, and serve to whisk onlookers away to the home of Porsche Motorsport, the place where the Porsche heart beats strongest.

NEW. 2018 Porsche Calendar. The 13 new motifs pay tribute to the motorsports roots of the current range of Porsche models. In addition to the annual collector's coin, the calendar contains digital features that can be accessed via QR codes. Made in Germany. WAP 092 001 0J | £ 40.00\* Key strap – MARTINI RACING. Metal clasp with button opening. Fits all current Porsche car keys. Strap: 100% polyester. WAP 050 262 19 | £ 20.00\* Baseball cap – MARTINI RACING. With high-quality MARTINI RACING badges and embroidery. 100% cotton. In Dark Blue. WAP 550 001 0J | £ 22.00\* [\* Incl. VAT]

### **Backstage in Flacht**

A peek behind the scenes at the Porsche Motorsport Centre

From the initial idea to the final test drive, Flacht is the place where, shielded from the public eye, great visions shaped by deep dedication and engineering excellence, are turned into reality. The new calendar provides exclusive insights into the Porsche racing laboratory, a place otherwise strictly off limits to visitors.



#### Weissach and Flacht

Located in the idyllic countryside only 25 kilometres from Porsche headquarters in Zuffenhausen, these top secret and well-secured facilities have been producing sports cars of the future since 1971. The Research and Development Centre in Weissach is where all the departments involved in creating a Porsche come together – from those responsible for the initial concept development through to those tasked with producing the finished vehicle. It is equipped with its own 2.5-kilometre test circuit. A few hundred metres away, on the other side of the test circuit, you find the district of Flacht, home to the Porsche Motorsport Centre and therefore every Porsche racing car.

Flacht is where some of the world's most technologically advanced racing cars are created. Among its more recent accomplishments are the new 911 RSR, the 911 GT3 Cup and the 919 Hybrid, the latter of which won Porsche its legendary hat trick in 2017: its third Le Mans overall victory in a row and its 19th in total. Boasting grounds of 12,000 square metres, Flacht isn't simply where engines, gearing mechanisms and chassis are put together: it is where the racing cars are developed from scratch. The facility also became home to the traditional LMP1 centre, which was specially built for the spectacular return of Porsche to the FIA WEC in 2014. Here, all departments involved in racing car development can work together under one roof. They have access to a driving simulator featuring an original 919 Hybrid monocoque, and even to



victories.

8

a dedicated pit stop training area at which the teams can hone their skills. Because it's not just on the racetrack, but also in the pit, that every hundredth of a second counts, making pit stop training in Flacht a highly exacting matter.

#### Shared test benches

The facilities' numerous test benches and development systems, such as the e-engine test bench, are used by motorsports and series engineers alike. So a test bench used on one day to test a 919 Hybrid could well be used to test a Panamera Turbo S E-Hybrid on the next. Also shared by both facilities are the test circuit and its diverse features. It is not unusual to first see a Le Mans prototype hurtling around the track, then witness the new Cayenne being put through its paces in the fording basin and on the steep hill [100 per cent gradient]. The circuit's perfectly round skid pad, which was introduced in 1961, allows vehicle handling and drift characteristics to be tested.

#### Technology and knowledge transfer

The close collaboration and short travel distances between the departments are a reflection of just how inseparable motorsports and series development are at Porsche. For example, if tests on a new gear set for a transfer box need to be conducted in the latest racing car, the Flacht-based engineers simply get together with their colleagues at the model building department in Weissach. Using the Weissach facility's powerful 3-D printing technology, the model builders can create the corresponding prototypes. This saves a lot of time compared to manufacture by outside suppliers.

You could hardly get a more direct connection between series production and motor racing. This ensures that the expertise and technical equipment used for series development in Weissach are also availed of for motorsports development purposes in Flacht. Most importantly, it ensures that every new Porsche is a product of the experience and efficiency that comes from over 60 years of motorsports and more than 30,000 racing

### The new 911 GT2 RS

Decree from Weisbach



#### Peak performance

The new 911 GT2 RS is nothing less than the most powerful 911 ever to be created. Its design is an aerodynamic blend of optimum output, maximum aeration and low drag coefficient. Its lightweight construction gives it an austere sportiness, its racing chassis those all-important additional seconds, and its uncompromising power an unmistakable air of preeminence.

Its 3.8 litre, 6-cylinder twin-turbo boxer engine is set low in the tail and boasts 4-valve technology, huge turbochargers equipped with variable turbine geometry [VTG], and a state-of-the-art charge air system. It has a maximum speed of 340 km/h and can accelerate from 0 to 100 km/h in just 2.8 seconds. With a displacement of 3,800 cm<sup>3</sup>, its engine can generate an impressive 515 kW [700 hp] at 7,000 rpm. Its maximum torque

of 750 Nm is available from just 2,500 rpm. An enduring statement with performance to match.

If confrontation is not your thing, you should choose a different car. Because driving the 911 GT2 RS is about pushing boundaries, about experiencing unadulterated sports car fascination, about feeling both the harshness of the asphalt and the glow of the endorphins that flood your body. The 911 GT2 RS is the first ever road-going Porsche to have all its chassis joints replaced by ball joints. These ensure an especially strong connection between the car's chassis and body, facilitating exceptionally precise, sharp, direct handling. Or to put it another way: deeply emotional full-contact driving.

#### The Weissach package

The new 911 GT2 RS is a high-performance machine guaranteed to take its driver's breath away. Yet there is still room for enhancement. Room exploited by the Porsche Development Centre engineers, who with the optional Weissach package have succeeded in further increasing the intensity of this exceptional athlete.

The Weissach package was first offered with the Porsche 918 Spyder, and has since become known for its extremely lightweight construction and close alignment with motorsports. A synthesis of aesthetics and streamlining with special focus directed at weight savings. Indeed, the 911 GT2 RS Weissach package weighs almost 30 kg less than the Club Sport package. The 911 GT2 RS Weissach package is also the first series-produced car in which both the stabilisers on the front and rear axles as well as the coupling rods are



WAP 020 151 0J | £ 65.00\*



logo on the rear wing.

NEW. 911 GT2 RS - limited edition. In GT Silver Metallic. Black interior. Made of resin. Scale: 1:18. WAP 021 151 0J | € 280.00\* Also available in a scale of 1:43. Each limited to 1,911 units.

NEW. 911 GT2 RS Weissach Package - limited edition. In Racing Yellow, Black interior, Made of resin. Scale: 1:18. WAP 021 152 0J | € 280.00\* Also available in a scale of 1:43. Each limited to 1,911 units. WAP 020 152 0J | £ 65.00\* [\* Incl. VAT]



made of carbon. Its distinguishing visual feature is the decorative stripe in the vehicle's exterior colour running down the centre of the carbon-weavefinished front lid and roof - a feature that serves to accentuate the 911 GT2 RS's streamlined contouring. Also highly distinctive is the pronounced 'PORSCHE'

## A highly responsive drive

THE DESIDER COMES

Putting the new 911 GT2 RS to the test on a digital racetrack

Accelerate the 3.8-litre, 6-cylinder twin-turbo boxer engine up to 340 km/h using just your right index finger. Elegantly manoeuvre 515 kW [700 hp] of pure power round a tight curve using just your left thumb? Sometimes, Porsche Motorsport DNA is apparent not only in aerodynamics, efficiency and horsepower, but in resolutions and frame rates.



#### An unexpected encounter with 700 hp

Sports car fans visiting this year's Electronic Entertainment Expo in Los Angeles were in for quite a surprise. Because the convention's Xbox stage [E3] was the site of something very special: Microsoft's unveiling of the new Porsche 911 GT2 RS. As such, the gaming world got to see the mighty Weissach package – the most powerful series-produced 911 ever – even before its official premiere. And not without good reason. The 911 GT2 RS is, after all, the 'hero car' in Microsoft's new racing simulation 'Forza Motorsport 7'. So as of 3 October 2017, the car will be taking people's breath away digitally too - via Xbox and PC - as the visual identity of the new Microsoft game.

Forza Motorsport 7 allows motorsports fans and gamers to interactively experience sports car fascination and put their driving skills to the test. The game's impressive 60 FPS [frames per second] and HDR images create a highly authentic racetrack atmosphere on the screen. What's more, from the end of the year it will also be available in True 4K resolution on the new Xbox One X. The exceptional detail in the lighting, in particular of the night races, contributes to the game's hyper-realistic effect. The drivers truly feel like they are behind the wheel of a genuine car. Moreover, its dynamic weather system - which can trigger heavy rain, make puddles increase in size and limit visibility – can test drivers' skills to the maximum. Anyone who has driven a 911 GT2 RS at night on a rain-drenched road, fighting for those all-important hundredths of a second, feeling the power of 700 horsepower [515 kW] rattle through the steering wheel will understand why Forza Motorsport 7 ranks among the most technically complex racing games of our times.

To create games such as Forza Motorsport, Microsoft collaborates closely with Porsche. After all, developing the perfect race simulation is about creating the best possible virtual driving experience, and ensuring that each car features realistic handling, original sounds and characteristic behaviours.

To facilitate the true-to-life digitalisation of the vehicles. Porsche provided the game developers with the original CAD [computer-aided design] data, on the basis of which they then recreated the exteriors and cockpits. They also took around 3,000 photos of the various Porsche models in order to accurately simulate the surfaces and the reflective properties of the materials in the CAD model. To reproduce the acoustics, they recorded some of the vehicles on the test circuit and test bench. Each individual car takes around six months to digitally recreate, six months in which the programmers liaise extensively with the Porsche development centre in order to ensure they develop as authentic a digital replica as possible.







guaranteed.

In addition to the 911 GT2 RS, Forza Motorsport 7 players have over 700 other cars to select from. These include historical Porsche models such as the legendary Porsche 962, with which Derek Bell achieved the 12th overall Porsche victory at Le Mans in 1987, and LMP racing cars from Flacht. Among the latter is the 919 Hybrid, with which Porsche won its 19th overall victory at what is considered the world's toughest 24-hour race. Whether in a classic car or a powerhouse like the 911 GT2 RS, whether fighting alone for a new personal best or battling against a competitor on the split-screen, there is arguably no better way to spend time in front of a monitor, be it at home or at an eSport championship. Sweaty palms and high adrenaline levels are

### **Genetic code: motorsports**

In Flacht, the memories of 30,000 racing victories join the visions of the future sports car

GTS

GTS. These three letters perfectly sum up the motorsports genes carried by each and every Porsche. They stand for the symbiosis of racing performance and sporty everyday driving. The 911 Targa 4 GTS, boasting 20-inch 911 Turbo S wheels equipped with a central locking mechanism, leaves you in no doubt: this car is the product of over 60 years of motorsports history – a history written by legends such as the 917 long tail driven at Le Mans by the MARTINI RACING team.

#### Calendar motif for August 2018

Fuel consumption 911 Targa 4 GTS: urban in I/100 km [mpg] 13.3–11.2 [21.2–25.2]; extra-urban in I/100 km [mpg] 7.6–7.3 [37.2–38.7]; combined in I/100 km [mpg] 9.7–8.7 [29.1–32.5]; CO₂ emissions in g/km 220–196.





There are few other car brandings that invoke as much motorsports nostalgia as the legendary MARTINI RACING design. With the new collection, the look of this cult collaboration is making a comeback. Its pieces recall the design of the 917 long tail with the number 21: the 12-cylinder, aerodynamically enhanced racing car that achieved the legendary top speed in 1971.

NEW. Unisex reversible jacket – MARTINI RACING. Reversible jacket in a MARTINI RACING design with side pockets on both sides. Version 1: quilted nylon with contrasting 'PORSCHE' logo at the front and MARTINI RACING collar badge. Version 2 [on title page]: bomber jacket with white '21' badge on the front and 'MARTINI RACING PORSCHE' logo in white on the right sleeve with zip. 100% polyester. In Dark Blue. WAP 560 0XS-3XL 0J | £ 190.00\* Women's polo shirt – MARTINI RACING. Women's polo shirt made of a sporty blend of materials and featuring sophisticated details in a MARTINI RACING design. High-quality badges on the front. Cuffs featuring MARTINI RACING stripes. Top: piqué cotton in Red. Bottom: single jersey [50% cotton, 50% polyester] in Grey Mélange. WAP 921 0XS-XXL 0J | £ 60.00\* [\* Incl. VAT]



Quilted jackets - MARTINI RACING. Warm, casual and easy-care thanks to artificial down. With high-quality MARTINI RACING badges and details inspired by the Porsche 917 long tail that started at Le Mans in 1971 with the number 21. The quilted jackets feature eye-catchingly coloured nylon lining as well as MARTINI RACING stripes on the sleeves. 100% polyester. In Khaki with Yellow lining. WAP 558 00S-3XL 0J [men]. In Red with Dark Blue lining. WAP 559 0XS-XXL 0J [women] + 160.00\* [\* Incl. VAT]



NEW. Collector's T-shirt edition no. 10 - limited edition - MARTINI RACING. Collector's T-Shirt with MARTINI RACING motif and image of the 917 long tail with the number 21. Unisex. Comes in an exclusive metal box featuring the same printed motif. Includes a postcard explaining the motif. Extremely soft T-shirt fabric. 100% cotton. In Blue. WAP 671 0XS-3XL 0J | £ 38.00\* NEW. Sport Chrono – MARTINI RACING. Available from December 2017. Product details on page 27. WAP 070 002 0J | £ 600.00\* [\* Incl. VAT]



NEW. Espresso cups, set of three – limited edition – MARTINI RACING. Set comprising three espresso cups and saucers. MARTINI RACING motif to honour the 917 long tail from 1971. Base features limited-edition serial number. Made of porcelain. In White/Blue/Red. Made in Germany. WAP 050 927 0J | £ 50.00\* NEW. Collector's mug no. 20 – limited edition – MARTINI RACING. The new collector's mug also pays tribute to the 917 long tail from 1971. It features a vehicle motif on the outside and the vehicle number, 21, on the inside base. Base features limited-edition serial number. Made of porcelain. In White/Blue/Red. Made in Germany. WAP 050 925 0J | £ 17.00\* [\* Incl. VAT]





NEW. Backpack - MARTINI RACING. Backpack with badges and print in a MARTINI RACING design. Dimensions: approximately 48 x 34 x 15 cm. Volume: approximately 22 l. In Dark Blue. WAP 035 926 0J | £ 100.00\* NEW. Leisure bag - MARTINI RACING. Leisure bag featuring a badge and 'MARTINI RACING' print. Dimensions: approximately 62 x 30 x 30 cm. Volume: approximately 55 I. In Dark Blue. WAP 035 925 0J | £ 100.00\* NEW. XL umbrella – MARTINI RACING. Large umbrella with two-ply canopy and MARTINI RACING printed motif of the 917 long tail. With Dupont Teflon coating and silver reflective elements. Windproof system with fibreglass rods. Plastic handle with embossed '21' on the bottom. Length [closed]: 88.5 cm. Diameter: approximately 120 cm. In Dark Blue. WAP 050 570 0J | £ 67.00\* [\* Incl. VAT]



Men's sweat-mix jacket - MARTINI RACING. Sporty sweat jacket featuring a mix of materials, lined front section and elbow patches. High-quality MARTINI RACING badges and details, inspired by the Porsche 917 long tail from 1971. Sweat material: 80% cotton, 20% polyester. Quilted material: 100% polyester. In Dark Blue. WAP 555 00S-3XL 0J | £ 140.00\* Baseball cap - MARTINI RACING. With high-quality MARTINI RACING badges and embroidery. 100% cotton. In Dark Blue. WAP 550 001 0J | £ 22.00\* NEW. Sport Chrono - MARTINI RACING. Available from December 2017. Product details on page 27. WAP 070 002 0J | £ 600.00\* P'8478 sunglasses. By Porsche Design. Replica of the first sunglasses with exchangeable lenses. Made of high-tech materials, with one pair of interchangeable lenses. Titanium frame. Lenses made of polycarbonate with 100 % UV protection. Frame: titanium. Lenses: Grey Gradient/Silver Mirrored. Interchangeable lenses: in Green. WAP 078 478 0J B69 | £ 330.00\* [\* Incl. VAT]



Men's polo shirt – MARTINI RACING. Polo shirts made of a sporty blend of materials and featuring sophisticated details in a MARTINI RACING design. High-quality badges on the front. Cuffs featuring MARTINI RACING stripes. Top: piqué cotton in Dark Blue. Bottom: single jersey [50% cotton, 50% polyester]. In Grey Mélange. WAP 922 00S-3XL 0J | £ 60.00\* P ' 8508 sunglasses. Aviator sunglasses by Porsche Design with ultra-flexible temples. Stainless steel frame. Lenses made of polycarbonate with 100% UV protection. Frame: palladium. Lenses: Olive/Silver Mirrored. WAP 078 508 0J C62 | £ 200.00\* Also available in a Gold frame with lenses in Green Polarized. WAP 078 508 0J A62 | £ 250.00\* [\* Incl. VAT]

NEW. Sport Chrono – MARTINI RACING. Available from December 2017. Chronograph in a MARTINI RACING design. Swiss ETA movement with four jewels. Includes PowerDrive, which increases the hand movement speed to more than 200 Hz. Three-part stainless steel casing. Waterproof up to 10 ATM. Milled indentations with separately inlaid design elements in Black. Metal dial with MARTINI RACING stripes. Sapphire glass with anti-reflection treatment on one side. Rubber band in Black with honeycomb structure on the top and tyre markings embossed on the underside. Stainless steel pin clasp with lasered 'PORSCHE' logo. Diameter: 42 mm. Swiss made. WAP 070 002 0J £ 600.00\* [\* Incl. VAT]



The moment the test circuit gates open and a new model drives in, ready to be put through its first few kilometres of testing, is a very special one for test drivers and engineers alike.



### The benefits of a mid-mounted engine

718 good reasons to look forward to the first corner

11R 73.

SEGB 718

On the Flacht test circuit, the 718 Boxster S demonstrates how a low centre of gravity can influence a car's performance in every corner. The fact that a mid-mounted engine also allows room for a second luggage compartment is a highly practical side effect. At Porsche, every form must prove its functionality, both on the test circuit and on the clothes rail as this principle applies to racing cars and the pieces from our sporty fashion collections alike.

Calendar motif for July 2018

Fuel consumption 718 Boxster S: urban in I/100 km [mpg] 10.7–9.5 [26.4–29.7]; extra-urban in I/100 km [mpg] 6.5–6.0 [43.5–47.1]; combined in I/100 km [mpg] 8.1–7.3 [34.9–38.7]; CO₂ emissions in g/km 184–167.



### More than just sporty



Lined for colder weather or casual as a sporty vest, the option of being worn in either Red or Black, for women and men – the new 2-in-1 jacket blends functionality with classic design and boasts an intelligent concept with sports car fascination. Even an engineer can't get any more Porsche into a jacket. NEW. 2-in-1 jacket. Sporty multi-purpose jacket with removable vest. Jacket with Red lining and two patch pockets as well as zip, hip and inside breast pockets. Black Porsche Crest made of silicone on the upper left sleeve. Reversible vest, can be worn in Red or Black, with two side pockets. The vest can be stowed in its own pocket, making it very easy to transport. Jacket made of 100 % polyamide. Vest made of 100 % nylon. WAP 49100S-3XL 0J [men], WAP 492 0XS-XXL 0J [women] | £ 400.00\* **P** '**8508 sunglasses**. Aviator sunglasses by Porsche Design. Product details on page 26. WAP 078 508 0J A62 | £ 250.00\* **NEW. Men's polo shirt**. Product details on page 40. WAP 493 00S-3XL 0J | £ 60.00\* **NEW. Essential Classic Watch set**. Available from December 2017. Product details on page 34. WAP 070 001 0J | £ 350.00\* **NEW. Baseball cap**. Product details on page 34. WAP 490 010 0J | £ 22.00\* [\* Incl. VAT]



NEW. Essential Classic Watch set. Available from December 2017. 911 Essential Watch edition in Silver. Swiss Ronda movement with one jewel. Waterproof casing made from toughened aluminium. [10 ATM]. Screw-down base and crown. Crown and tube made of toughened stainless steel. Engraving on base with serial number. Mineral glass with sapphire coating. Black dial with Porsche Crest and Red details. Includes one leather strap and two fabric straps with quick-change mechanism. Stainless steel pin clasp with 'PORSCHE' engraving. Diameter: 43 mm. WAP 070 001 0J | £ 350.00\* NEW. Baseball cap. Baseball cap with Black Porsche Crest rubber badge on the front and on the peak's red underside. Clip fastener with 'PORSCHE' embossing. Exterior material: 69% polyamide, 31% polyester. Lining: 100% cotton. In Black/Red. WAP 490 010 0J | £ 22.00\* NEW. 2-in-1 men's jacket. Product details on page 33. WAP 491 00S-3XL 0J | £ 400.00\* [\* Incl. VAT]



NEW. Women's polo shirt. Polo shirt with 'cool & dry' function. Antibacterial. With narrow placket and three buttons. 'PORSCHE' logo. Rubber badge on left sleeve. Black ribbon with White 'PORSCHE' logo on inside collar. 95% polyamide, 5% elastane. In Red. WAP 494 0XS-XXL 0J | £ 60.00\* NEW. 2-in-1 women's jacket. Product details on page 33. WAP 492 0XS-XXL 0J | £ 400.00\* P '8508 sunglasses. Aviator sunglasses by Porsche Design. Product details on page 26. WAP 078 508 0J A62 | £ 250.00\* [\* Incl. VAT]



718 Boxster S. In Lava Orange. Agate Grey interior. Made of resin. Scale: 1:43. WAP 020 205 0G | £ 40.00\* [\* Incl. VAT]

The 718 Boxster S represents driving for the sport of it. The mid-engine vehicle is a descendant of the legendary 1953 550 Spyder, the first Porsche built specially for racing.





### A Race Lab with a hybrid engine

Flacht's vision for the future sports car: the 919 Hybrid

The 919 puts the ideas generated in Flacht to the test of endurance racing. Technologies that prevail under these conditions have the potential to make it from the racetrack onto the roads, as part of the new Porsche series-produced models, contributing towards the brand's evolution, taking it ever closer to the perfect sports car.

Upon first sight, the 919 Hybrid is breathtaking. Its shape is not typically Porsche. Rather, because the car's form is more or less prescribed by the strict rules of the FIA World Endurance Championship [FIA WEC], the latest racing car from Porsche looks more like a futuristic Le Mans prototype.

These rules define other aspects, too, aside from the car's external appearance, setting forth stringent efficiency, safety and sustainability standards that continually present Porsche engineers with new challenges. Technological innovations from Flacht must therefore undergo rigorous testing on the circuit before they are deemed compliant with the above rules and, as such, suitable for use. Power alone, it follows, won't win you any world championship titles.

#### Drive and efficiency

The key to the success of Porsche has been its ability to efficiently downsize its combustion engines while implementing one of motorsports' highest performing hybrid systems. The 919 Hybrid has a 2-litre, 4-cylinder turbo petrol engine with almost 500 hp powering its rear axle as well as an electric engine with over 400 hp propelling its front axle. The latter is fed by two energy recovery systems. The car's weight has been reduced to a minimum using carbon, high-strength aluminium, magnesium and different titanium alloys. Its high strength and stability as well as its enhanced chassis and aerodynamics serve to improve both the efficiency and the handling of the 919 Hybrid.

#### The safety concept

Endurance racing pushes both driver and car to the limit. Reducing the risks in advance is therefore imperative. The current set of regulations for the FIA WEC LMP1 class places more emphasis on safety than ever before. But Porsche wouldn't be Porsche if its Flacht-based engineers didn't go beyond the obligatory regulation conformity. Among their main priorities for the 919 Hybrid is to achieve the maximum possible level of safety. The prototype's closed monocoque, for example, provides the driver with added protection. It is strengthened at the sides by two additional panels made from material similar to that of bulletproof vests.

progress.



All materials were selected according to strict safety criteria. Porsche even succeeded in having additional safety provisions that improved the driver's sitting position incorporated into the FIA WEC regulations. These provide for greater head room, a clearly defined helmet position and lower wheel housings, all of which improve the view of the track from the car, so that even when driving at their limit drivers can keep sight of what is most important: the safety of all competitors.

The 919 Hybrid is a racing laboratory allowing Porsche to realise its intelligent drive visions. Indeed, Flacht's LMP1 prototype project and its countless circuit tests have provided many important insights for series development insights relating to, among other things, the battery cooling systems, the e-machine, connection technology in areas subject to high voltage, and battery management. Race for race, and in strict observance of the regulations pertaining to efficiency, safety and sustainability, the future viability of the latest technology is put to the test. With a view not only to winning a place on the podium, but to developing the sports car of the future. Because when it comes to technology, Flacht knows no compromises, only

PORSC 919 hul [\* Incl. VAT]

CHOPARD

DMG MORI

Tutille and the second

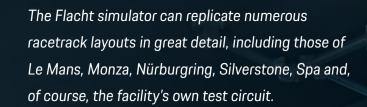
### The Porsche LMP1 driving simulator

Using big data to tackle the greatest motorsports challenges

The ultimate developers' tool for the FIA WEC's toughest endurance races: the Porsche LMP1 driving simulator, a machine able to test the system capacity, vehicle handling and driver individualisations of Porsche Le Mans prototypes. Its impressive projection surface is 2.4 metres high, has a 4-metre radius and offers drivers a 215° field of vision. Comprising an original 919 Hybrid monocoque mounted onto a high-tech platform, the simulator provides drivers with a safe environment in which to test real-world racing scenarios. To be able to simulate these effectively, the machine is equipped with nine servo-electric arms that move the cockpit around dynamically.

SCHAEFFLER





HOPARD



Sport Chrono. Ronda movement with 13 jewels. Three-part stainless steel casing. Waterproof up to 10 ATM. Milled indentations with separately inlaid design elements in Black. Metal dial with sun-brushed effect in Guards Red. Porsche Crest appliqué at 12 o'clock. Sapphire glass with anti-reflection treatment on one side. Rubber band in Black with honeycomb structure on the top and tyre markings embossed on the underside. Satinised stainless steel pin clasp with lasered 'PORSCHE' logo. Diameter: 42 mm. In Silver/Guards Red/Black. Swiss made. WAP 070 004 0J | £ 600.00\* [\* Incl. VAT]



The Porsche 911 RSR is a product of passion, engineering excellence, humility and craftsmanship. The 911 family's spearhead is manufactured by hand, with Flacht engineers having first ensured that all its individual components are in perfect congruity with one another. It is then ready to follow its calling: endurance racing on the world's most challenging racetracks.

Mobil



adidas

DRSCHE DESIC

### The new Cayenne

A sports car for five

All Flacht employees know that, although there is only one driver behind the wheel, race victories are invariably team victories. The new Cayenne reflects this conviction on public roads. Equipped with technologies developed at the Porsche Development Centre, this five-door vehicle offers plenty of space for friends and family, and as such for team spirit.

#### Big dreams are there to be fulfilled together

The new Cayenne adds sportiness to your shared daily life. With its five doors, it is open to adventures of all kinds; with its digital interconnectedness, it can put the world at your finger tips; with its variety, quality and comfort, it makes the Porsche experience even more fascinating than before. And yet it remains one thing: a true sports car with motorsports DNA.

The new Cayenne represents a new generation of sports cars for five - with sport genes becoming immediately apparent. Among its distinctive features are the pronounced wings, which are brawnier than those of its predecessor, and the characteristic tripartite air vents, which now feature a larger, more dominant design. The car's side perspective reveals its sharpened roof section that levels off towards the back incorporating the new door design. The

wheels are available up to a size of 21 inches and, for the first time in a Cayenne, with mixed-size tyres [up to 315 mm on the rear axle].

PORSCHE

But the Cayenne hasn't just been visually enhanced. Its new generation of engines has been entirely rehauled and now boasts even more power, even higher torque and even greater efficiency. The Cayenne's 3.0-litre V6 turbo engine, for example, is equipped with a twin scroll turbo charger between the cylinder banks and has an output of 250 kW [340 hp]. The developed 2.9-litre V6 twin-turbo engine in the Cayenne S boasts 324 kW [440 hp] and is therefore, despite its reduced consumption, 15 kW [20 hp] more powerful than its predecessor. The four-litre V8 twin-turbo engine in the Cayenne Turbo takes things further still, with an impressive 404 kW [550 hp].

Yet despite all its power, the new Cayenne makes no compromises when it comes to comfort and safety. Its intelligent assistance systems make sure of this. Porsche InnoDrive, for example, provides the driver with an entirely new kind of support by extending the adaptive cruise control function by additional features. It can therefore optimise the car's speed according to the conditions it anticipates. Using high-resolution navigation data and information from radar and video sensors, Porsche InnoDrive recognises upcoming speed limits and road characteristics such as inclines and curve radiuses, and can adapt the car's gear strategy and speed accordingly.

The new models - Cayenne, Cayenne S and Cayenne Turbo - offer breathtaking new scope to sports car enthusiasts. They turn the racetrack dreams with others.



into the path through life, turn race drivers into family people and leisure-time all-rounders, and make lone wolves become team players. In short: they imbue the sports car world with team spirit, and daily life with an added sense of sportiness. Made for true sports car aficionados who want to share their

### Great sports cars on a smaller scale



NEW. Cayenne. In Biscay Blue Metallic. Black/Mojave Beige interior. Made of resin. Scale: 1:43. WAP 020 311 0J [image above] | £ 42.00\* NEW. Cayenne Turbo. In Moonlight Blue Metallic. Black interior. Made of resin. Scale: 1:43. WAP 020 312 0J [image p. 63] | Also available at a scale of 1:18. WAP 021 312 0J | £ 42.00\* [\* Incl. VAT]





### **Intelligent design** right through to the luggage compartment

Porsche Travel System [PTS] Multiwheel® Ultralight Edition

Some sports cars offer both impressive displacement and the luxury of spaciousness. Such as the new Cayenne models. Because anyone wanting to combine this much comfort with such uncompromising sportiness shouldn't have to forgo anything.

The motorsport genes Porsche possesses are palpable even in the brand's luggage products. The PTS Multiwheel® Ultralight Edition by RIMOWA® boasts an intelligent lightweight construction featuring an especially robust polycarbonate case able to simply spring back into its original form dented. The double Multiwheel<sup>®</sup> castors ensure optimum turning and easy handling even on difficult surfaces.

#### PTS Multiwheel® Ultralight Edition XXL.

Capacity: approximately 80 I. Weight: approximately 5.1 kg. Luggage dimensions: approximately 74 x 49 x 27.5 cm. Designed for the Cayenne, Macan and Panamera models Made in Europe. In Biscay Blue Metallic. WAP 035 402 0H M5E | £ 675.00\* WAP 035 402 OH [standard colour: Meteor Grey Metallic] | £ 565.00\*

#### PTS Multiwheel<sup>®</sup> Ultralight Edition XL.

Capacity: approximately 75 I. Weight: approximately 3.9 kg. Luggage dimensions: approximately 60.5 x 38.5 x 40 cm. Luggage dimensions designed to fit perfectly into the luggage compartments of all Porsche sports cars. Made in Europe. In Biscay Blue Metallic. WAP 035 400 0D M5E | £ 620.00\* WAP 035 400 0D [standard colour: Meteor Grey Metallic] | £ 500.00\*

#### PTS Multiwheel® Ultralight Edition M.

Capacity: approximately 32 I. Weight: approximately 3.2 kg. Luggage dimensions:: approximately 55 x 40 x 20 cm. Cabin baggage according to IATA norms\*\*. Luggage dimensions designed to fit perfectly into the luggage compartments of all Porsche sports cars. Made in Europe. In Biscay Blue Metallic. WAP 035 401 0D M5E | £ 520.00\* WAP 035 401 0D [standard colour: Meteor Grey Metallic] | £ 410.00\*

[\* Incl. VAT]

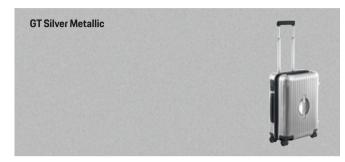
\*\* Recommendations of the International Air Transport Association [IATA] as of January 2012. Accepted on-board luggage dimensions vary from airline to airline and may also differ according to the route and class of travel.

Thanks to its optimised dimensions, the robust, ultra-light Multiwheel® suitcases fit perfectly into Porsche luggage compartments. They also feature a special aluminium handle for easy loading and unloading. Their continuously adjustable telescopic handles and inside mesh covers with zips offer additional comfort. Manufactured in Europe, Multiwheel® suitcases are fitted with recessed TSA-approved locks and come with a five-year guarantee. A charming detail: the woven 'PORSCHE' logo on the lining.











<b>I I</b>
de é









Scope to incorporate your own personal style

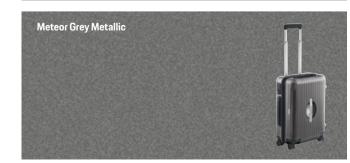
In Flacht and Weissach, design, technology, efficiency, performance, comfort and safety are combined to perfection. There is just one thing missing from this equation: the driver. Everyone has their own idea of their dream sports car. This is why we enable future Porsche owners to compile their very own ideal sports car by visiting www.porsche.com and using the Car Configurator. By

clicking on the heading 'Porsche Tequipment Genuine Accessories' they can also select the appropriate luggage in the category 'Transport and Protection'. The exclusive PTS Multiwheel® Ultralight Edition is available in all Porsche exterior colours and, upon request, in customised colours.





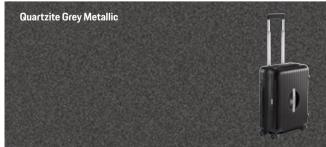












53













**Moonlight Blue Metallic** 



### **Driver's Darlings – Season's Special**

Exclusive highlights to add to your wish list

Whether timelessly stylish for classic aficionados, uncompromisingly sporty for racing enthusiasts, or delightfully charming for up-and-coming motorsports fans – the four-page Driver's Darlings Season's Special has the right gift for every type of sports car fan. Like a subtle little greeting from the Porsche Development Centre, sent to sweeten the time Porsche enthusiasts have to spend away from the steering wheel.

1 | 911 Classic chronograph. Ronda quartz movement with 13 jewels and waterproof casing [10 ATM]. Satinised stainless steel casing in silver. Extra-hard sapphire glass with anti-reflection treatment. Screw-down crown. Stopwatch function. Dial in white. Leather strap in dark brown with pin clasp. Diameter: 43 mm. Swiss made. WAP 070 007 0F | £ 470.00\* 2 | Men's shirt – Classic. Oxford shirt with a button-down collar, detailed badges and 'PORSCHE' embroidery on the inside of the cuffs. Lining of breast pockets can be pulled out and worn as a handkerchief. 100 % cotton. In Light Blue/ Brown. WAP 716 00S-3XL 0H | £ 90.00\* 3 | NEW. 911 Pen holder – limited edition. Made from an original twin exhaust module taken from a Porsche 911 Carrera 4S. Height: 17.5 cm. Length: 10 cm. Made of aluminium. In Black. Limited to 911 units. Made in Germany. WAP 050 200 0J | £ 200.00\* 4 | Porsche Crest keyring. Genuine leather. Suitable for all Porsche car keys. In White. Made in Germany. WAP 050 096 0E | £ 16.00\* 5 | Porsche Crest cufflinks. Enamel on 925 sterling Silver. Partially gold-plated. Size: approximately 13 x 18 mm. WAP 050 140 15 | £ 66.00\* 6 | Porsche Crest mug. Made of porcelain. Capacity: 0.25 I. Made in Germany. WAP 107 064 0D | £ 12.00\* 7 | Leather gloves – Classic. Classic driver's gloves made of 100% nappa leather. In Black. Available for men and women and in sizes S, M and L. WAP 519 001-003 0H [men], WAP 518 001-003 0H [women]| £ 100.00\* [\* Incl. VAT]









### Little Driver's Darlings – Season's Special

Great gift ideas for the smaller Porsche fans among us











1 | Cookie stamps – RS 2.7. Silicone stamps. Three different designs: RS 2.7, Porsche Crest and 'Made in Zuffenhausen'. Usable at temperatures between -40 °C and +230 °C. In the contrasting vehicle colours of Guards Red, Glacier Blue and Viper Green. WAP 050 400 0G | £ 16.00° 2 | Porsche Motorsport bear. Made of high-quality plush. With race suit in the design of the Porsche Motorsport racing overalls. Height: approximately 40 cm. Suitable for ages 3+. WAP 040 004 0A | £ 75.00° 3 | Wooden truck – Racing. Truck with semi-trailer and three racing cars in the Porsche Motorsport colours. Made of wood/metal. In Natural Wood/Red/Black/White. Suitable for ages 2+. Made in Europe. WAP 040 010 0H | £ 68.00° 4 | My first Porsche – wooden car. Wooden toy car shaped like the classic Porsche 911 with rear spoiler. Made of wood/metal. In Blue/Black. Suitable for ages 1+. Length: approximately 10 cm. Made in Europe. WAP 040 011 0G | £ 18.00° 5 | Baby welcome set – RS 2.7. Set consists of bodysuit, bib and hat in RS 2.7 design. Size 62/68 for ages 3–6 months. Material: 50% cotton, 50% modal. Includes gift wrap with a matching greeting card. WAP 950 002 0H | £ 38.00° 6 | NEW. Baby Porsche 4S. Improved ergonomics and a soft seat for optimum comfort. Add-on components such as the headlamps are made of high-quality plastic. Suitable for ages 1.5–3. In grey. Made in Germany. WAP 040 003 0J | £ 100.00° [\* Incl. VAT]



### Product world



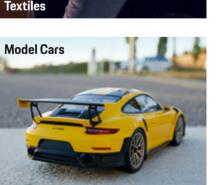








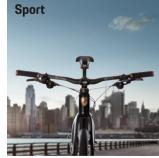






Porsche Originals





### Guide

Discover our wide range of products from Porsche Driver's Selection. Visit www.porsche.com/uk to locate your nearest Porsche dealership.

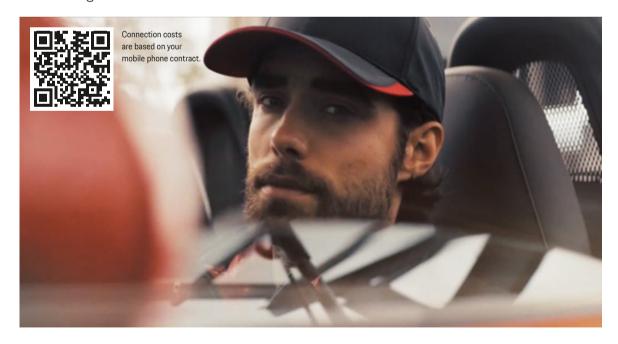
For more information, please contact your nearest Porsche Centre by telephone on: +44 [0] 845 7 911 911

www.porsche.com/selection





Backstage



A change of perspective: from behind the wheel to behind the camera. The making-of video provides you with a fascinating peek behind the scenes, allowing you to accompany the SELECT team on its exciting photo shoot surrounded by hoisting platforms, racing engines and uncompromising motorsport passion.



Calendar

Made NEW. 2018 Porsche Calendar WAP 092 001 0J | £ 40.00\*

**MARTINI** RACING



Polo shirt – MARTINI RACING WAP 922 00S-3XL 0J [men], WAP 921 0XS-XXL 0J [women] £ 60.00\* each



NEW. Polo shirt WAP 493 00S-3XL 0J [men], WAP 494 0XS-XXL 0J [women] £ 60.00\* each



Leather gloves - Classic WAP 716 00S-3XL 0H | £ 90.00\* WAP 519 001-003 OH [men], £ 100.00\* each



NEW. Collector's T-shirt edition no. 10 –

limited edition – MARTINI RACING

WAP 671 0XS-3XL 0J | £ 38.00\*

Baseball cap – MARTINI RACING WAP 550 001 0J | £ 22.00\*



NEW. Unisex reversible jacket –

WAP 560 0XS-3XL 0J | £ 190.00\*

MARTINI RACING

NEW. Sport Chrono – MARTINI RACING WAP 070 002 0J | £ 600.00\* [Available from December 2017]



Men's sweat-mix iacket –

WAP 555 00S-3XL 0J | £ 140.00\*

MARTINI RACING

NEW. Backpack – MARTINI RACING WAP 035 926 0J | £ 100.00\*



Quilted jackets – MARTINI RACING

WAP 558 00S-3XL 0J [men],

£ 160.00\* each

WAP 559 0XS-XXL 0J [women]

NEW. Leisure bag – MARTINI RACING WAP 035 925 0J | £ 100.00\*



NEW. Umbrella XL-MARTINI RACING WAP 050 570 0J | £ 67.00\*



NEW. Collector's mug no. 20 – limited edition – MARTINI RACING WAP 050 925 0J | £ 17.00\*



NEW. Espresso cups, set of three limited edition – MARTINI RACING WAP 050 927 0J | £ 50.00\*

Made

Key strap – MARTINI RACING WAP 050 262 19 | £ 20.00\*



Men's shirt – Classic

NEW. Baby Porsche 4S WAP 040 003 0J | £ 100.00\*

My first Porsche – wooden car

**Textiles** 

Classic

Collection

Porsche Motorsport bear WAP 040 004 0A | £ 75.00\*



Baby welcome set – RS 2.7 WAP 950 002 0H | £ 38.00\*

60



NEW. 2-in-1 iacket WAP 491 00S-3XL 0J [men], WAP 492 0XS-XXL 0J [women]

£ 400.00\* each



NEW. Baseball cap WAP 490 010 0J | £ 22.00\*



WAP 518 001-003 0H [women]



911 Classic chronograph WAP 070 007 0F | £ 470.00\*



WAP 040 011 0G | £ 18.00\*



Wooden truck - Racing WAP 040 010 0H | £ 68.00\*





NEW. 911 Pen holder – limited edition WAP 050 200 0J | £ 200.00\*





**P´8478 sunglasses** WAP 078 478 0J B69 | € 330.00\*



WAP 078 508 0J C62 | £ 200.00\*

P '8508 sunalasses











NEW. 911 GT2 RS Weissach package – limited edition – 1:18 WAP 021 152 0J | £ 280.00\*

NEW. 911 GT2 RS limited edition - 1:18 WAP 021 151 0J | £ 280.00\*

WAP 020 919 0J | £ 60.00\*



[Available from December 2017]

Accessories

& lifestyle

NEW. Essential Classic Watch set WAP 070 001 0J | £ 350.00\*



Sport Chrono WAP 070 004 0J | £ 600.00\*



Porsche Crest cufflinks WAP 050 140 15 | £ 66.00\*



Made Porsche Crest keyring WAP 050 096 0E [white] | £ 16.00\*





NEW. Cavenne Turbo – 1:43 WAP 020 312 0J | £ 42.00\*

NEW. Cavenne Turbo – 1:18 WAP 021 312 0J | £ 42.00\*

718 Boxster S – 1:43 WAP 020 205 0G | £ 40.00\*



Made Porsche Crest mug WAP 107 064 0D | £ 12.00\*



Cookie stamps – RS 2.7 WAP 050 400 0G | £ 16.00\*



PTS Multiwheel® Ultralight Edition M WAP 035 401 0D M5E | £ 520.00\*



PTS Multiwheel® Ultralight Edition XL WAP 035 400 0D M5E | £ 620.00\*



PTS Multiwheel<sup>®</sup> Ultralight Edition XXL WAP 035 402 OH M5E | £ 675.00\*



NEW. 911 GT2 RS Weissach package limited edition – 1:43 WAP 020 152 0J | £ 65.00\*





Imprint

Publisher: Porsche Lizenz- und Handelsgesellschaft mbH & Co. KG | Groenerstrasse 5 | 71636 Ludwigsburg | Germany | www.porsche.com/uk

Management Board: Dr Jan Becker [Chairman of the Management Board], Holger Gerrmann, Roland Heiler

Editorial responsibility: Stella Süß

Implementation: Kemper Kommunikation Marken- und Werbeagentur | Hanauer Landstraße 181–185 | 60314 Frankfurt am Main | Germany Key account: Katarina Knospe; art direction: Stefanie Junge; text editing: Svenja Kimbel

Printed in Germany | Data: 08/2017 | WSL07701004225

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We would like to extend our special thanks to the staff at Flacht and Weissach for their excellent support, and to the Porsche Museum for allowing us access to the 917 long tail Martini Racing no. 21.

(RIMOWA)





NEW. 919 Hybrid – Promo 2017 – 1:43

NEW. Cavenne – 1:43 WAP 020 311 0J | £ 42.00\*



### Extreme sports for team players.

The new Cayenne Turbo.

S#VM9888

Fuel consumption: urban in I/100 km (mpg) 16.4–16.2 (17.2–17.4); extra-urban in I/100 km (mpg) 9.5–9.3 (29.7–30.4); Combined in I/100 km (mpg) 11.9–11.7 (23.7–24.1); CO₂ emissions in g/km 272–267

