



PORSCHE



Porsche Centre Edmonton

July 2020



FEATURED ARTICLE:

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Featured Vehicles

- > 2020 Porsche Macan
- > 2020 Porsche Macan GTS
- > 2011 Honda Pilot
- > 2007 Porsche 911
- > 2018 Porsche Macan
- > 2017 Porsche Cayenne

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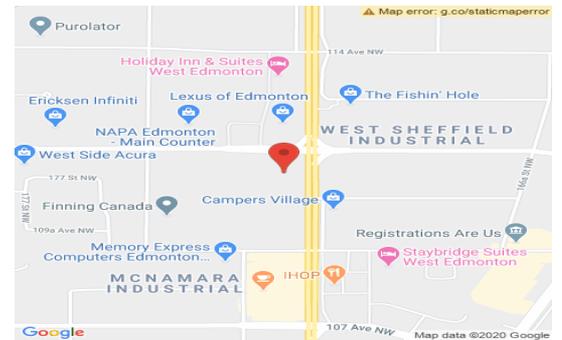
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A Porsche is more than just an automobile. It is a lifestyle. It represents quality, refinement, and excellence. It represents exclusivity. Most importantly, it represents you. When you sit behind the wheel of a Porsche, you understand the level of care it deserves. So do we. The Porsche Premier Dealer Program has identified the Porsche Centre Edmonton as one of the top three Porsche Centres in Canada in 2015. It is because we strive to bring a level of sophistication that far exceeds any other automobile dealership. Our certified sales professionals and skilled service technicians are some of the highest trained professionals in the industry. They are what set us apart and they are dedicated to caring for, servicing and maintain your Porsche. We hope you enjoy your experience with Porsche Centre Edmonton - virtual or otherwise! We value your business and look forward to caring for your Porsche at the highest level.

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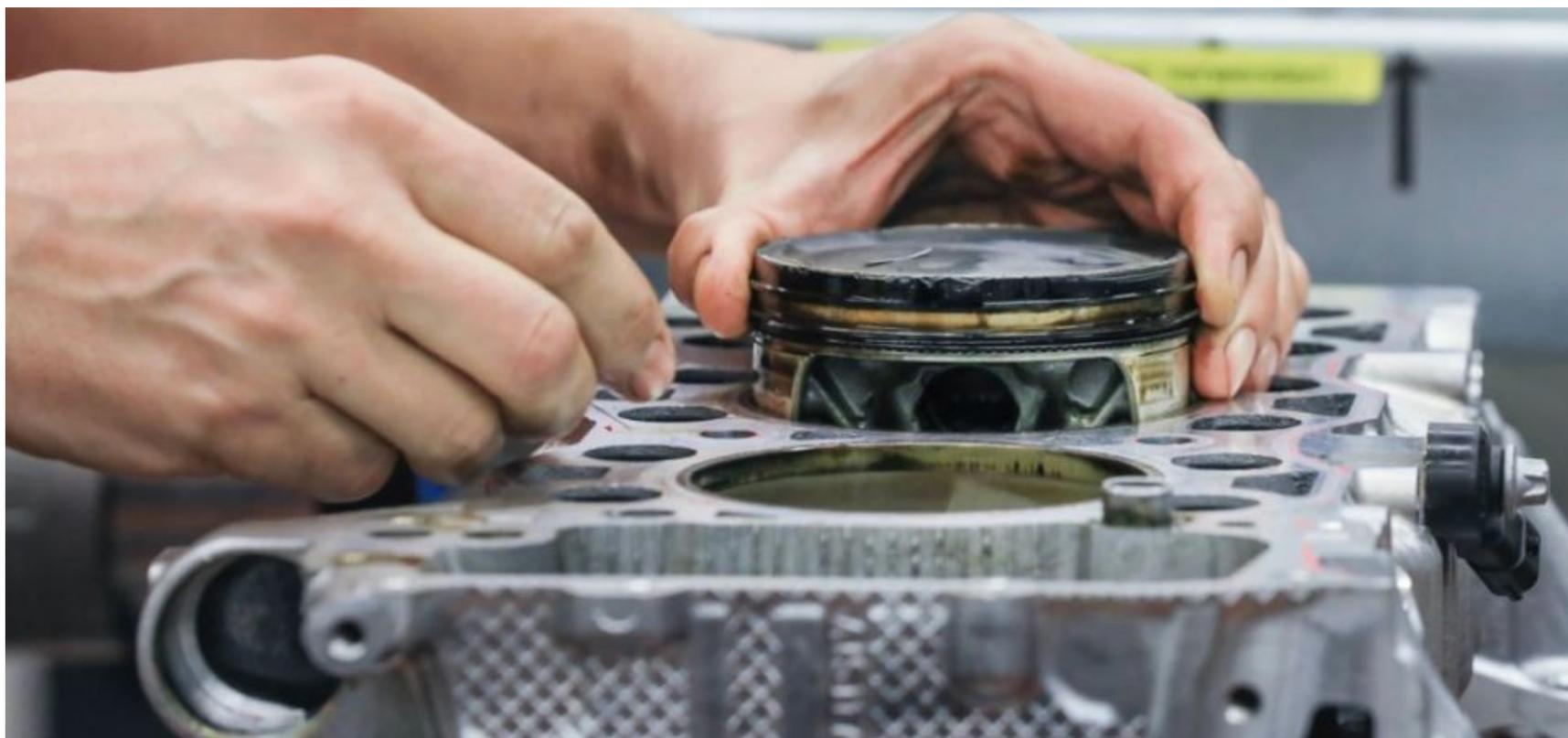
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Porsche pioneers 3D printed pistons for increased power and efficiency

Porsche is establishing a new milestone in the use of additive manufacturing processes for highly-stressed drive components.

3D printing technology is already used at the sports car manufacturer in prototype construction, manufacturing spare parts for classic sports cars as well as in other areas. For the first time, the pistons for the high-performance engine of the 911 flagship model, the GT2 RS, are now being produced with a 3D printer.

3D printing allows the pistons to be manufactured with a structure that is optimized for the loads acting on the pistons. As a result, the pistons from the advance development project weigh 10 percent less than the forged series production pistons. They also have an integrated and closed cooling duct in the piston crown that could not have been produced by conventional methods.

"Thanks to the new, lighter pistons, we can increase the engine speed, lower the temperature load on the pistons and optimize combustion," explains Frank Ickinger from the advance drive development department at Porsche. "This makes it possible to get up to 30 PS more power from the 700 PS biturbo engine, while at the same time improving efficiency."

There are a number of different technologies for 3D printing. All are based on the principle that the components are built up layer by layer without the need to previously manufacture a special tool or mold. Practically any geometric shape can therefore be created. The printer can be fed with the design data directly from the computer. Additive manufacturing processes are thus ideal for producing structures that have been designed and optimized by means of artificial intelligence (AI).

The pistons of the 911 GT2 RS were manufactured from high-purity metal powder using the laser metal fusion process (LMF). Here, a laser beam heats and melts the powder surface corresponding to the part contour. Porsche initiated the joint project together with cooperation partners Mahle and Trumpf. The quality and performance capability of the components were validated using measurement technology from Zeiss.

Porsche already uses additive manufacturing processes in several areas. For example, a 3D-printed bodyform full bucket seat has been available since May for the model series 911 and 718. Here, the central section of the seat, in other words the cushion and backrest surfaces, is partly produced by a 3D printer. Customers will be able to choose between three firmness levels (hard, medium, soft) for the comfort layer in future.

Porsche Classic also uses additive processes to reproduce plastic, steel and alloy spare parts that were previously no longer available. A release lever for the clutch of the Porsche 959, for example, today comes from a 3D printer. Around 20 reproduced parts for Porsche classic models are currently manufactured using additive processes. This manufacturing technology is also technically and economically interesting for Porsche for special and small series as well as motorsports. 3D printing therefore offers significant potential for Porsche with regard to product and process innovations, which will in turn allow customers to benefit from fascinating and individual products.



Will new Porsche 935 be King of the Hill?

As Jeff Zwart prepares to tackle Pikes Peak with Porsche's new 935, the legendary filmmaker reveals how the Colorado hillclimb – and the Porsche cars he's taken there – captured his heart.

There are few people more synonymous with Pikes Peak than Jeff Zwart. The filmmaker and Porsche collector has raced the famous Colorado hillclimb no fewer than 17 times in a dozen different 911. To date, he has won the event a remarkable eight times and now coaches for Porsche Motorsport in the single-make GT4 Clubsport Class.

For 2020, Zwart returns to the mountain aboard the 700 PS 935, entered into the new Time Attack class that pits production-based sports racers against each other and the clock in a mile-high sprint to the snow-capped summit in the Rocky Mountains.

"Road and Track first sent me to Pikes Peak to photograph it in 1982 or '84," says Zwart. "I was already attracted to rallying and when I got there, I just thought this was the ultimate rally. Especially bearing in mind at this point the mountain was completely dirt. It was hugely influential on me both as a motorsport event and visually the altitude, drop offs and cliffs really ticked a lot of boxes as a photographer too."

Zwart's first attempt at Pikes Peak was aboard his Mazda rally car in the late 1980s. Crowned 'Rookie of the Year' he was immediately hooked.

Following some national rallying success aboard the newly released all-wheel drive 964 Carrera 4, Andial and Porsche Motorsport approached Zwart with the offer of support to take on Pikes Peak once again.

Zwart would go on to race a wide variety of 911 variants in numerous different classes, exploring the potential of purely stock 911 road cars alongside heavily tuned bespoke rally specials. But when the course began being paved a decade ago, the opportunity arose to abandon the rally-derived underpinnings in favor of an out-and-out circuit racer, and Zwart returned in 2010 with a GT3 Cup car. Despite substantial parts of the course still being gravel, Zwart broke the class record by 38 seconds.

"The 911 is in many ways the ideal car for Pikes Peak," says Zwart. "I grew up driving 911s of course, and they're the basis for all my race cars – understanding the way they rotate and move under you, and having all that weight over the rear axle, is a real advantage at Pikes Peak."

This year, that familiarity with both car and course will go one step further as Zwart enters the new Porsche 935 for the very first time. The car is owned by Porsche collector Bob Ingram and run in support of Road Scholars, the specialist Porsche restorer run by Ingram's son Cam. For Zwart, it's a dream come true.

Featured Vehicles at Porsche Centre Edmonton



2020 Porsche Macan

Exterior Colour: Jet Black Metallic
Interior Colour: Standard Interior Black
Transmission: 7-speed Porsche Doppelkupplung (PDK)

\$69,550

More Details >



2007 Porsche 911 Turbo

Exterior Colour: Silver
Interior Colour: Black
Transmission: Manual
Body Style: Coupe

\$101,000

More Details >



2020 Porsche Macan GTS

Exterior Colour: Volcano Grey Metallic
Interior Colour: Leather Package In Black/Garnet Red
Transmission: (Leather Seats
7-speed Porsche Doppelkupplung (PDK)

\$90,740

More Details >



2018 Porsche Macan

\$59,995

More Details >



2011 Honda Pilot EX-L w/RES

Exterior Colour: Black
Interior Colour: Black
Transmission: Automatic
Body Style: SUV

\$16,995

More Details >



2017 Porsche Cayenne

\$56,995

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Featured Vehicles at Porsche Centre Edmonton



2020 Porsche Macan

Exterior Colour: Jet Black Metallic
Interior Colour: Standard Interior Black
Transmission: 7-speed Porsche Doppelkupplung (PDK)

\$68,290

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2020 Porsche Macan GTS

Exterior Colour: Sapphire Blue Metallic
Interior Colour: Black Leather Package With Partial
Transmission: Leather Seats
7-speed Porsche Doppelkupplung (PDK)

\$87,270

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2019 Porsche Panamera GTS

Exterior Colour: Night Blue Metallic
Interior Colour: Leather Interior In Black
Transmission: 8-speed Porsche Doppelkupplung (PDK)

\$170,530

[More Details](#) >



2019 Porsche Panamera GTS

Exterior Colour: Black
Interior Colour: Leather Interior In Black
Transmission: 8-speed Porsche Doppelkupplung (PDK)

\$169,670

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2019 Porsche 911 GT3 RS Weissach Package

Exterior Colour: Lizard Green
Interior Colour: Leather Interior In Black / Lizard Green
Transmission: 7-speed Porsche Doppelkupplung (PDK)
Body Style: Coupe

\$259,900

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2010 Nissan 370Z Touring

Exterior Colour: Black
Interior Colour: Black
Transmission: Manual
Body Style: Convertible

\$22,990

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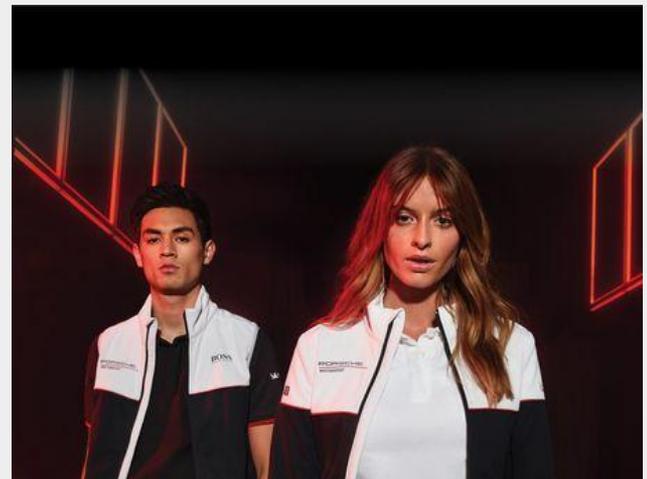
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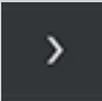
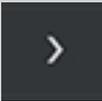
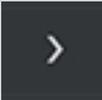


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