

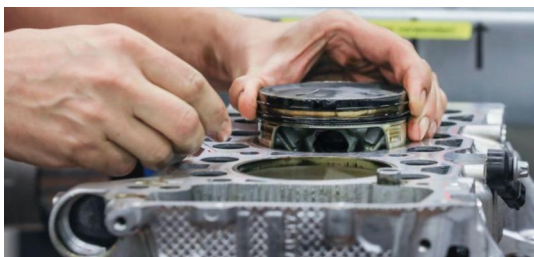


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Porsche Centre Oakville

July 2020



FEATURED ARTICLE:

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...



FEATURED ARTICLE:

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...



Featured Vehicles

- > 2020 Porsche 911 Carrera S Cabriolet (992)
- > 2020 Porsche Cayenne Coupe
- > 2020 Porsche Macan GTS
- > 2020 Porsche Panamera 4S
- > 2020 Porsche Taycan 4S
- > 2019 Porsche 718 Cayman GTS

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Promotions

- > Four Month Finance Deferral Offer
- > Two Month Lease Waiver Offer on New Macan Models
- > Cayenne and Cayenne Coupe Lease Offers
- > Panamera Lease Offers
- > 2.99% Pre-Owned Financing Offer
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Saturday : 9:00AM - 5:00PM

Service - 905.825.4530

Monday - Friday : 8:00AM - 5:00PM

Saturday : 9:00AM - 3:00PM



About Us

Porsche is an iconic brand and at its heart, an engineering company producing fascination sports cars. In every detail - from the customer focused details in our state-of-the-art 5,000 square meters facility, to how we engage with all who visit us - the employees of Porsche Centre Oakville and the Policaró Group are focused to deliver an exciting outpost for Porsche enthusiasts and owners. Our mission is not just to be the leading Porsche Centre in Canada - but to set the standard by which automotive dealers will measure their performance. We will lead by example in every area - service, sales, marketing, environmental stewardship, and experience. Never satisfied, we will create a company that reflects the values of the Porsche brand and employ only those that share this mission and the consistent throttle pressure required to respond to the changing needs of our clients.

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Our Team

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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 Oakville



2020 Porsche 911 Carrera S Cabriolet (992)

\$180,764

Exterior Colour: GT Silver MET
Interior Colour: Black Lthr W/ Chalk Stitching
Body Style: Convertible

[More Details](#) >



2020 Porsche Cayenne Coupe

\$101,050

Body Style: 4-Door Coupe

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2020 Porsche Macan GTS

\$103,685

Exterior Colour: Carmine Red
Interior Colour: GTS Lthr Intr Pkg In Carmine Red Wo/Items In
Transmission: Alcan
Automatic
Body Style: Crossover

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2020 Porsche Panamera 4S

\$146,900

Exterior Colour: Volcano Grey Met
Interior Colour: Black Std Intr
Transmission: 8-speed Porsche Doppelkupplung (PDK)
Body Style: 4-Door Sedan

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2020 Porsche Taycan 4S

\$148,309

Exterior Colour: White
Interior Colour: Black Partial Lthr Int
Body Style: 4-Door Coupe

[More Details](#) >



2019 Porsche 718 Cayman GTS

\$118,657

Exterior Colour: Chalk
Interior Colour: Standard Interior With Leather Seats l.c.w.
Transmission: Sport
7-speed Porsche Doppelkupplung (PDK)
Body Style: 2-Door Coupe

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Featured Vehicles at Porsche Centre Oakville



2019 Porsche 911 GT3 RS

\$278,800

Exterior Colour: GT Silver Met
Interior Colour: Alcantara In Black/GT Silver Details Int
Transmission: Package
Body Style: Automatic
2-Door Coupe

More Details >



2019 Porsche Panamera 4 E-Hybrid Sport Turi

\$125,900

Exterior Colour: Jet Black Metallic
Interior Colour: Two-tone Leather Interior In Black-Luxor Beige
Transmission: 8-speed Porsche Doppelkupplung (PDK)
Body Style: 4-Door Sedan

More Details >



2018 Porsche Macan Sport Edition

\$78,605

Exterior Colour: Jet Black Metallic
Interior Colour: Black-Luxor Beige Two-tone Standard Interior
Transmission: 7-speed Porsche Doppelkupplung (PDK)
Body Style: Crossover

More Details >



2017 Porsche Macan

\$41,900

Exterior Colour: Black
Interior Colour: Black-Luxor Beige Two-tone Standard Interior
Transmission: 7-speed Porsche Doppelkupplung (PDK) With Auto Start Stop And Coasting Functions
Body Style: Crossover

More Details >



2016 Porsche Cayenne Turbo

\$82,900

Exterior Colour: White
Interior Colour: Two-tone Leather Interior Black - Saddle Brown Sm
Transmission: 8-speed Tiptronic S With Auto Start Stop Function
Body Style: SUV

More Details >



2015 Porsche 911 Turbo

\$135,900

Exterior Colour: Agate Grey Metallic
Interior Colour: Two-tone Leather Interior In Black - Garnet Red
Transmission: Porsche Doppelkupplung (PDK)
Body Style: 2-Door Coupe

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Four Month Finance Deferral Offer

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For a limited time, receive a four month finance deferral on all new 2019 or 2020 Porsche models.



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