



## **BorgWarner Accelerates Use of 3D Printing to Validate Prototypes**

- *Technology streamlines assembly testing of turbocharger prototypes*
- *3D printing delivers high precision tests, makes better use of existing structures*

São Paulo, Brazil, March 9<sup>th</sup>, 2021 – BorgWarner is amplifying its use of 3D-printed prototypes for assembly tests in order to streamline processes and optimize existing production lines. Through 3D printing, the engineering and manufacturing teams can more readily evaluate the product at each stage and more efficiently make the adjustments necessary to meet the assembly and/or design needs of the part before entering the production line.

“Ensuring the utmost quality, safety and efficiency of our products and processes is always at the core of what we do and using 3D printing for prototypes gives us another tool to ensure we are precise and efficient throughout the product development and manufacturing life cycle,” said Vitor Maiellaro, Emissions, Thermal and Turbo Systems Plant Manager in Brazil. “We are excited to continue accelerating our 3D printing in this space and applying this prototyping asset to other products in the future.”

With the demand for compact engine solutions on the rise, being able to accurately test across the product lifecycle and be nimble when making adjustments is critical. 3D prototypes enable all necessary adaptations for the simulated assembly within the engine. In addition to optimizing precision and efficiency, the high-performance capabilities of BorgWarner’s turbochargers are maintained.

### **About BorgWarner**

BorgWarner Inc. (NYSE: BWA) is a global product leader in clean and efficient technology solutions for combustion, hybrid and electric vehicles. Building on its original equipment expertise, BorgWarner also brings market leading product and service solutions to the global aftermarket.

With manufacturing and technical facilities in 96 locations in 24 countries, the company employs approximately 50,000 worldwide. For more information, please visit [borgwarner.com](http://borgwarner.com).



3D prototyping enables optimized efficiencies and precision for assembly, changes needed before entering the production line and simulated assembly tests in the engine.

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