

The father used 3D printing technology to drive Aventador supercar to be donated to his son

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After seeing his son fall in love with the Aventador S when playing Forza Horizon 3, Sterling Backus - a physicist living in Colorado, USA used 3D printing technology and imagination to create a Lamborghini Aventador. often. In this way, Backus had a whole Aventador that could be driven to please his son without having to spend half a million dollars to buy a car from the Italian brand.

First of all, Backus intended to cut steel to make the body of the car, use wood to make frames, but after realizing that 3D printing technology had grown so horribly, he chose this option.



Backus used Solidworks, a 3D design software that runs on Windows operating system, to draw pieces of body panels. After that, he used 3 small 3D printers to turn drawings into products and put them together.

To increase the durability and not to reveal the smudge, Backus and his son covered the body with Kevlar. Finally, they attached 3D printed panels to the steel frame.



Without a knowledge of 3D printing, nor a automotive engineer, Backus himself has completed his product by watching lots of videos on YouTube. The amazing thing is that Backus also created a shock absorber system similar to the design drawings of the genuine Aventador S.



Since 3D printing technology is still unable to print the car engine, Backus has replaced the 6.5 liter V12 as in the Aventador with an old V8 engine of a 2003 Corvette, with twin turbochargers added. This engine is connected to a 6-speed gearbox from a Porsche 911 code 996 in the 90's and is placed behind two car seats. Backus also ordered online other accessories such as steering wheel, wiper, switch .

The whole cost of Backus spent to satisfy his son's dream is less than 20 thousand dollars.

Here are some pictures of the Aventador car created by Backus thanks to 3D printing technology, please admire.





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