

# Airbus unit unveils 3D-printed electric motorcycle

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The CEO of Airbus, Tom Enders, left, and the head of APWorks, Joachim Zettler, present the first 3D printed electric motorcycle in Ottobrunn, Germany, Friday May 20, 2016. The motorcycle was made of metal powder by using lasermelting technology. The bike only weighs 35 kilos. (Sven Hoppe/dpa via AP)

What weighs 77 pounds, goes 50 mph (80 kph) and looks like a Swiss cheese on wheels?

An [electric motorcycle](#) made from tiny aluminum alloy particles using a 3D printer.

European aeronautics giant Airbus unveiled the 'Light Rider' in Germany on Friday. Manufactured by its subsidiary APWorks, a specialist in additive layer manufacturing, the motorcycle uses hollow frame parts that contain the cables and pipes.

The frame weighs just 13 pounds, about 30 percent less than conventional e-motorbikes.

APWorks chief executive Joachim Zettler said the complex, branched hollow structure wouldn't have been possible with conventional production

technologies such as milling or welding.

The company is taking orders for a limited run of 50 motorbikes, costing 50,000 euros (\$56,095), plus tax, each.

They'll have a range of 37 miles (60 kilometers).



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