

Bafang Presents Revolutionary Gear Variable Transmission (GVT) Technology Platform and New 5-Speed Automatic Gear Hub

Spearheading a new era for the shifting experience, Bafang proudly introduces its innovative Gear Variable Transmission (GVT) technology platform, along with its latest creation based on GVT—the G500A, an internal 5-speed automatic shift hub designed for high-powered eFat bikes. Offering a groundbreaking shift experience for eBikes, G500A will debut at the 2024 China Cycle Show.

Expanding Cycling Boundaries with the Revolutionary GVT Technology Platform

GVT, represents years of meticulous research and development by Bafang. This technology elevates the eBike shifting experience to a new level with precise automatic shifting mechanisms and advanced transmission control, creating seamless and smooth gear changes that aligns the rider-eBike-in-one, turning what was once merely a concept into reality. Products featuring GVT technology are belt-drive-friendly and offer a high degree of integration, enabling greater design possibilities of eBike. Moreover, GVT significantly reduces common maintenance issues and durability concerns found in existing shift systems, is yet another step towards extending the overall lifespan of eBikes.

"Over the past 3 years, we have launched the automatic hub motor and the automatic gear hub series, both of which have received positive feedback from various markets. We are very proud and honored," said Zou Bin, the chief engineer of the Bafang GVT. "It is this motivation that has led us to decide to give it an official name, to better acquaint everyone with it. Regarding the GVT technology platform, in the future, we will further interpret it through more innovations."



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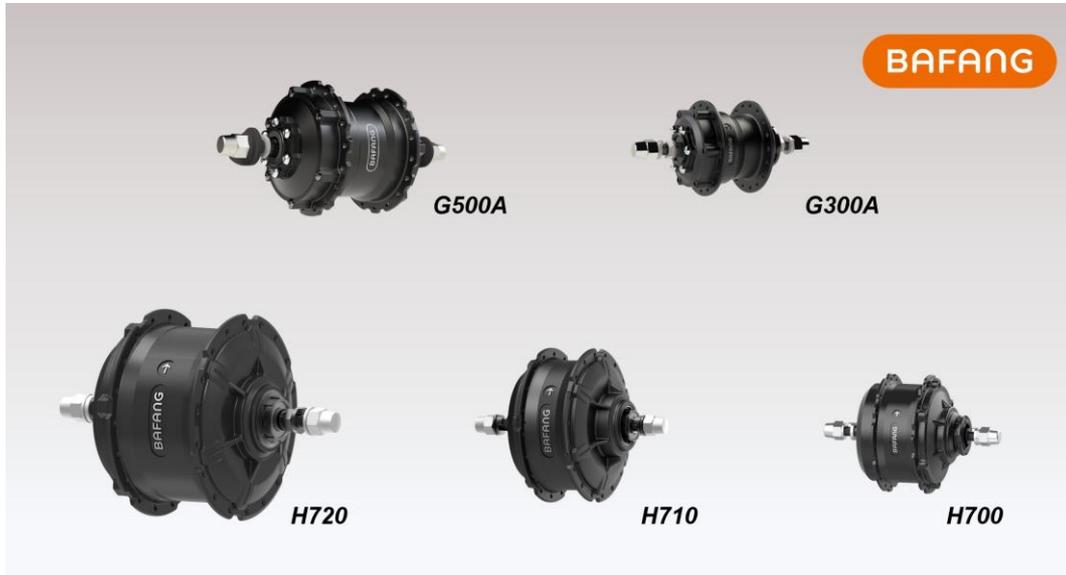


Photo: Products powered by Bafang GVT Technology

The 5-Speed Automatic Gear hub – The Latest GVT Technology Masterpiece

As the latest innovation on the GVT platform, the G500A is a 5-speed automatic gear hub specifically crafted for high-powered fat-tire eBikes, designed to effectively tackle challenging terrains like snow and sand. G500A can withstand torque ratings of up to 200N.m, thus significantly reduces the impact and damage to the chain and freewheel caused by high torque. While G500A could supports high speeds of 45km/h and 60km/h. It is available with 175mm and 190mm dropout options. Bafang’s commitment to quality and reliability is reflected in its rigorous testing standards. Each of the five gears in the G500A undergoes at least 10,000 impact tests, ensuring durability and rider confidence.



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Photo: G500A simulated load testing

With the introduction of the GVT technology platform, Bafang aims to pursue a higher benchmark for drive system reliability and durability. As the GVT platform continues to evolve, Bafang will continue to introduce more ground-breaking products, underscoring its commitment to a higher technological standards and superior user experiences.

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About BAFANG:

BAFANG, one of the leading manufacturers of e-mobility components and e-drive systems, has been developing components and complete systems for electric vehicles since 2003. The company is listed on the Shanghai Stock Exchange (603489.SS) and focuses on all global e-mobility trends of the future: be it individual e-bikes, e-scooters or for public bike sharing systems. Bafang employs over 1000 people at 10 international locations worldwide. The headquarters, development and production sites are located in Suzhou, in the immediate vicinity of Shanghai/China. A virtual tour of the new headquarter in Suzhou via a VR Panorama Tour starts [here](#).

Bafang has sales and service centers in the Netherlands, the USA, Germany, Denmark, France, Italy, and China. The newly opened plant in Poland focuses on the production of mid-motor systems for the European markets.

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