

BAFANG

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Bafang Electric (Suzhou) Co., Ltd.
No. 6 Dongyanli Rd • Suzhou Industrial Park • 215125, Suzhou China

Bafang's GVT Shifting Technology: A New Shifting Experience

"Our First Lady and President models feature the Bafang H700 automatic shifting system," says Rudi Leusink, CEO of Dutch eBike brand iMove. "For those seeking an eBike, we highly recommend a test ride to experience a different shifting feeling."



Photo1 - Dutch bicycle brand iMove President X Bafang H700 Automatic 2-Speed System

Keep Your Rhythm, Enjoy GVT Shifting

The H700 is an automatic two-speed rear drive system, part of the Bafang GVT (Gear, Variable, Transmission) technology platform. During riding, the bike will automatically and efficiently shift gears based on bike speed, keeping the pedal cadence in the zone that suits the rider best.

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"Compared to manual shifting, automatic shifting provides a simpler choice for riders, especially in crowded urban areas where they can focus more on the road rather than the gear lever," said Bafang's head of R&D, Yingzhe Wang.

"Automatic internal shifting does not need the series of components required by external shifting systems," said Rudi Leusink "This aligns perfectly with our design language—clean and classic—while effectively avoiding performance impacts caused by weather, dirt, or external wear and tear, making it hassle-free for users."

Constant Innovation: GVT, From Urban Commutes to Beach and Snow

The design philosophy of GVT aims to simplify commuting, offering riders a new riding and shifting experience. This same experience can also be found from mid-drive systems paired with automatic shifting hubs, like the M210 mid-drive system combined with the G300A 3-speed automatic gear hub.

In the industry, the shifting performance of high-power eBikes has always been a hot topic. Due to the high output power, traditional external shifting systems face challenges with increased risk of damage. To address this, Bafang has introduced the GVT automatic shifting hub motor series including the H700, H710 and H720, covering power ranges from 250W to 1000W. Additionally, the G500A 5-speed auto gear hub, released this year, offers a load capacity of up to 200N.m, effectively addressing the shifting difficulties in high-power mid-drive systems, especially for high-load eCargo, providing riders with more reliable performance.

"GVT launched over 2 years ago, since then, over 40 eBike brands globally have integrated our GVT products across urban, touring, cargo, and fat eBike categories," said Yingzhe Wang. "Without the need for shifting cables or external cassettes, you'll find more folding bikes and urban shared bikes equipped with GVT series products. Looking ahead, we will continue to explore more possibilities on this platform."



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Photo 2 - French bicycle brand EOVOLT Afternoon PRO X Bafang H700 Automatic 2-Speed System

Focusing on eBike drive systems for over 20 years, BAFANG always develops products that meet the needs of eBike users. The GVT series is one of Bafang’s milestones in the industry. Moving forward, Bafang will continue to craft each product with the priority of users’ needs and the aim of achieving ‘rider-eBike-in-one’ experience.