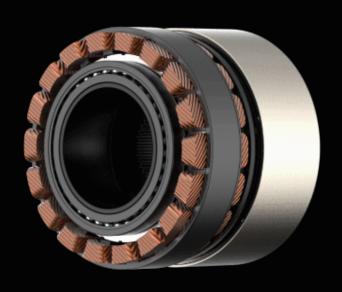


Magnetic Gear Motor





What Is a Frictionless Gear Motor?

Almost NeverBreaks

Low Noise

High Reliability

Low MaintenanceCost

No Friction

Contactless

Max Efficiency 90%

80%-85%

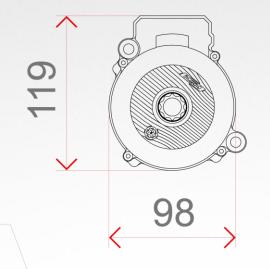
Planetary Gear or Harmonic Gear Motors

Magnetic Gear Motor

90% 5%-10%

LONGER RANGE



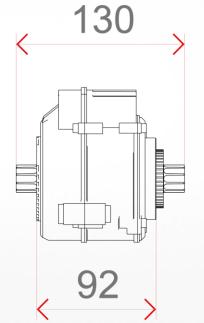




Coaxial Design

"IT JUST LOOKS RIGHT."

Minimalist Aesthetic



Product Parameter

75N-m Max Torque

Magnesium Alloy Case, 2.3Kg weight

250W Rated Power

580W

Peak Power



Sustainable High Torque Output

75N-m 120s

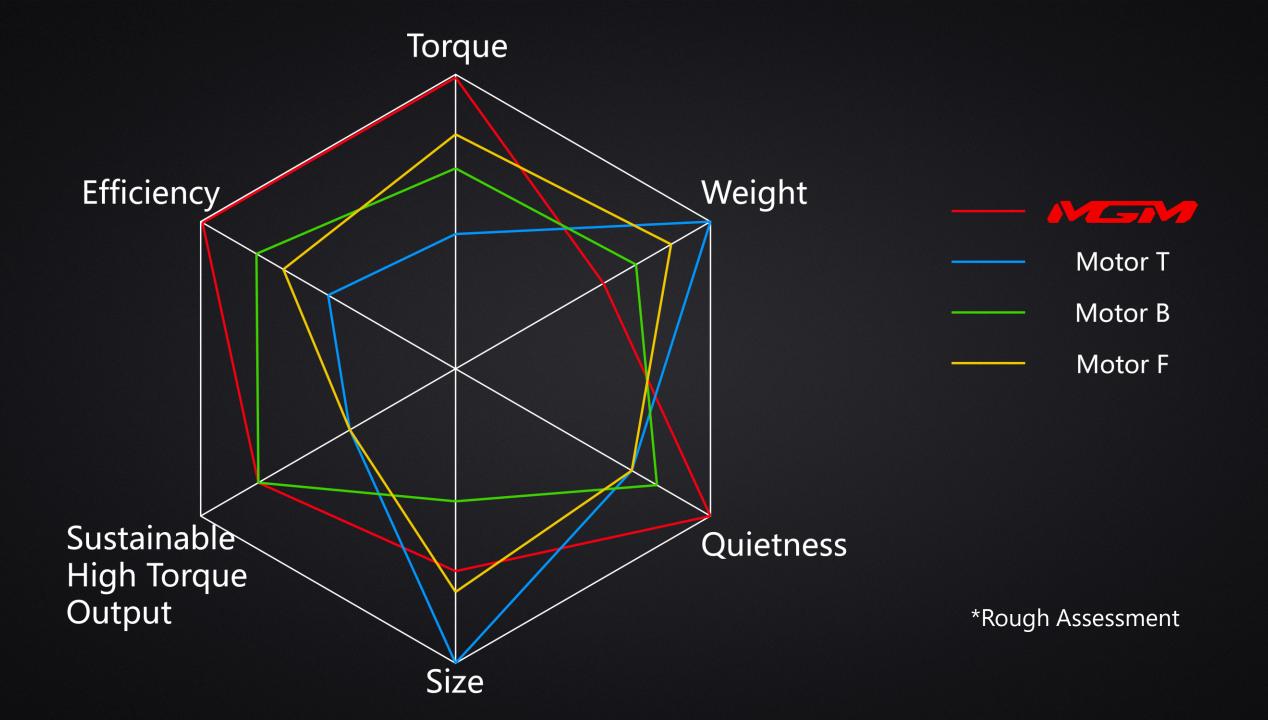
60N-m 480S

35N-m Forever



Best In The Class

	Torque	Weight	Torque-To- Weight Ratio	Power	Peak Power
MGM	75N•m	2.3KG	32.6	250W	580W
Motor T	50N•m	1.85KG	27	250W	300W
Motor B	55N•m	2.05KG	26.8	250W	600W
Motor F	60N•m	1.96KG	30.6	250W	350W



Flux Concentrating Design

Better Volume, Efficiency, And Torque





Mountain Bike System





48v, 160 Wh

B01

B03





Road/City Bike System







DZ49-3

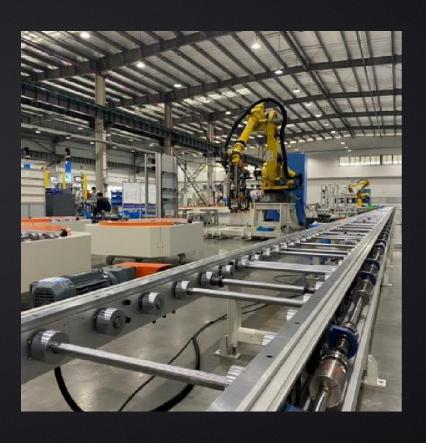
B02

STAR UNION WUXING

AUTOMATIC PRODUCTION LINE

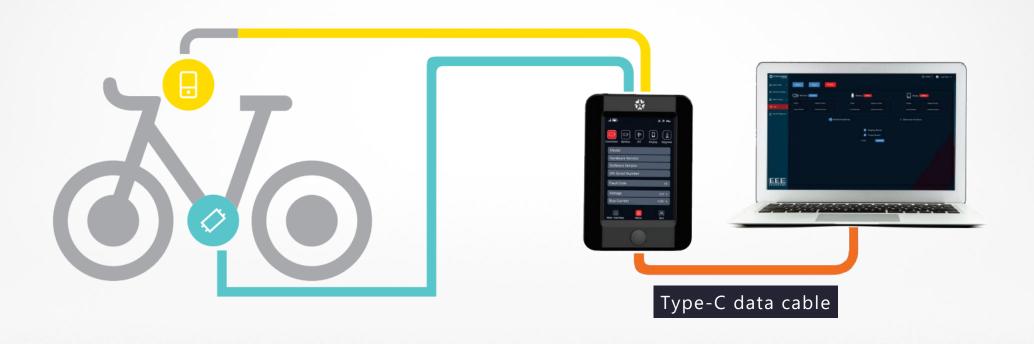
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Serivce Tool: Pc Software & Handheld Device

View System Parameter Information, Adjust Power Settings, Perform Testing And Diagnostics, Upgrade Firmware





Founded in 1985, Star Union has been a key player in the two-wheeler industry for nearly 40 years. In the 1990s, we led the market in bicycle shifts and brakes in China. Since 1997, we have been a global leader in throttle and brake levers.

Since 2010, we have focused on e-bike components, offering mid-drive motors, hydraulic disc brakes, displays, lights, throttles, and brake levers. Each product is developed by specialized divisions, ensuring strong R&D and manufacturing capabilities.

In the recent two years, we created the world's first e-bike magnetic gear motor and established the SUHR sub-department for high-performance hydraulic disc brakes.

Our motor team is arguably the top motor team in China. It consists of highly experienced PhDs and masters who have participated in motor projects related to fighter jets, heart pacemakers, high-speed trains, and electric vehicles.

Looking forward, we are committed to pioneering cutting-edge technologies and continuously innovating in the two-wheeler industry.





Magnetic Gear Motor