

News Release

Conic Systems Offers Zero Backlash Harmonic Gearing to Replace Planetary Gear Drives

JACKSONVILLE, FL. 7/1/2019 - Conic Systems in Port Jervis NY has developed the new Lifetime (LT) Series, a precision, zero backlash harmonic gearbox designed as a direct replacement for traditional high ratio planetary gearheads. The LT series is available in metric sizes and NEMA 17, 23, 34 and 42 frames.



The LT Series is unique in that its zero backlash characteristic is maintained for life and high ratios of 50:1 to 200:1 are achieved in a single stage, thereby reducing length and weight as compared to traditional planetary designs which require multiple stages. The proprietary harmonic and cup designs allows for a high number of teeth to be engaged, giving the LT Series higher torque and inertial loading capacity, along with zero backlash, repeatability better than 10 arc-sec.

An engineer can improve the accuracy of their high precision motion applications due to the unmatched repeatability and zero lost motion in the system, resolving problems such as overshoot, failure to maintain position, drive oscillation and velocity ripple. The LT Gearheads feature a precision, double angular contact bearing on the output shaft allowing for designs with high radial and axial loads. Mounting is accomplished with a quick connecting motor coupling. Adapter flanges can be modified to meet customer motor specifications.

Conic gear systems are used in precision automation, robotic and industrial applications and are known worldwide for high precision, durability and long life.

For more information, visit www.conicsystems.com or call 888-757-2547.

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