

STRAIN WAVE GEAR

PCS/PSH

PCS-25-100-UC-XXXX

Model Series	model	Reduction ratio	Type	Custom code
Enclosed Input/ Hollow Input		Input Fixed Output	Standard/ Hollow	



Five major advantages

Ultra-Compact, High Gear Ratio.

Achieve reduction ratios from 1:30 up to 1:160 in a single stage—saving valuable space while giving you total design flexibility.

Zero Backlash. Extreme Precision.

Thanks to a unique tooth engagement mechanism, strain wave gear deliver arc-second level positioning accuracy—making them perfect for ultra-precise servo applications.

High Torque Density. Heavy-Duty Ready.

Engineered for performance, our drives distribute stress evenly, offering robust load capacity and overload protection—ideal for high-speed and heavy-load operations.

Smooth. Silent. Stable.

Enjoy quieter, smoother motion with reduced vibration and noise. A cleaner signal means more stable systems and higher-quality output.

Cross-Industry Integration.

From advanced robotics to aerospace, medical imaging to semiconductors, harmonic drives are empowering innovation across the world's most demanding sectors.

Ideal Applications.

Precision joints and end-effectors for industrial robots
Collaborative and medical robotic arms
Satellite and UAV attitude control systems
Ultra-precise CNC and optical inspection platforms
Imaging and minimally invasive surgical devices

Discover the infinite possibilities of harmonic precision.



PARKSON
CNC ROTARY TABLES

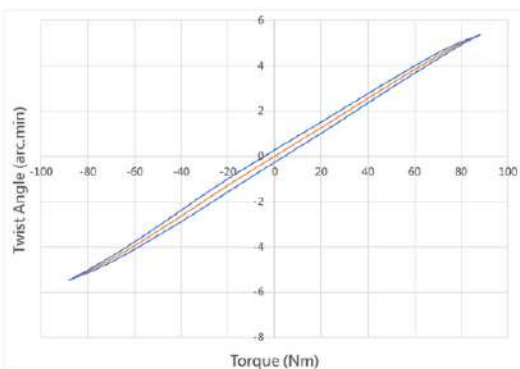
www.parkson-wu.com

Strain Wave Gear

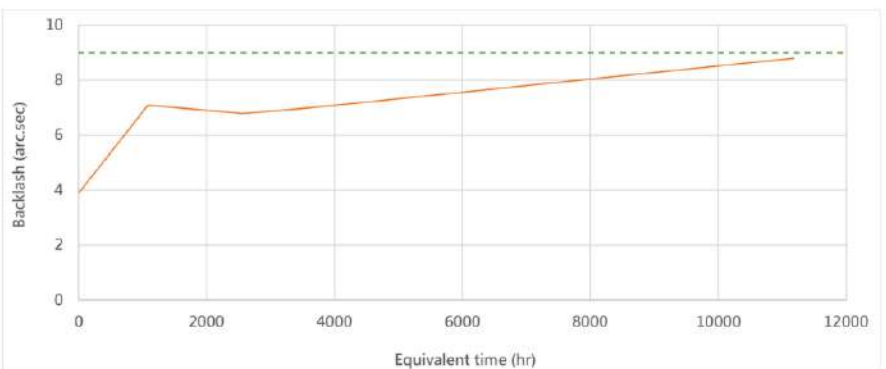
PSH / PCS

Product Feature

- **Predictable Precision with Linear Torsional Rigidity**
Our drives maintain consistent torsional stiffness across the entire torque range—eliminating dynamic error and ensuring faster, smoother, and more predictable control.



PREDICTABLE PRECISION WITH LINEAR TORSIONAL RIGIDITY



PRECISION THAT LASTS

- **Precision That Lasts**

With highly durable flexible components and high-contact tooth profiles, our systems maintain exceptional precision and near-zero backlash over long operating cycles—drastically reducing downtime and extending service life.



PARKSON
CNC ROTARY TABLES

www.parkson-wu.com