

Harmonic Reducer



Cup Structure

This series of reducer has the characteristics of high rigidity, high precision and high torque.

The flexwheel is a cup-shaped standard barrel structure, and the input shaft is directly matched with the inner hole of the wave generator and connected by a flat key. Generally, the steel wheel is fixed, and the connection mode of the flexible wheel end output is used.

High Precision

Different from the ordinary gear meshing, the backlash is very small, multiple teeth meshing at the same time, and there are two 180 degree symmetric gear meshing, so the impact of gear pitch error and cumulative pitch error on the rotation accuracy is more average, so that the position accuracy and rotation accuracy reach a very high level. (arcsec)



Our Harmonic Reducer



Harmonic Drive System

1:1

Replace



Model

SHG - 25 - 100 - 2UJ - SP

1	2	3	4	5
SHG	25	100	2UJ	SP

1. Model: SHG series

2. Model Nos: 14, 17, 20, 25, 32, 40, 45, 50, 58, 65

3. Reduction ratio: 50, 80, 100, 120, 160

4. Model:

◦ 2UJ = Input shaft unit type

Tips: If the purchase link does not include the size you want, please contact us to purchase and we can provide 3D drawings.

✓ Integral design, Stable performance

✓ Low-noise balanced operation

✓ transmission error backlash ≤ 10 Arcses

✓ High torque Wide application range

Shaft Input Harmonic Reducer

High rigidityHigh torque capacity

Compact and concise structure

Excellent positioning and rotation accuracy

Integrated and convenient use of wave generator



Easy to install

The three basic components achieve a high deceleration ratio, and they are all coaxial, so the kit is easy to install and simple to shape.

Small size, light weight: compared with the previous gear device, the volume is $\frac{1}{3}$, the weight is $\frac{1}{2}$, but the same torque capacity and deceleration ratio can be obtained to achieve small weight.



Durable

Low noise balanced operation, can be suitable for long-term continuous work in harsh environment

High efficiency, low temperature, long life, large output torque quality assured, durable



Application scope:

