

HIWIN®

INDUSTRIE 4.0 Best Partner

HIWIN DATORKER® Strain Wave Gear

HIWIN DATORKER® strain wave gear using the metal elastic deformation phenomenon to eliminate the backlash of gears. It can provide the same weight and volume with different reduction ratio.

Product Features

Simple structure: composed of 3 basic components, simple structure and easy installation.

High precision: The meshing ratio can reach 30% of the total number of teeth. It can provide high angle transmission accuracy.

Various reduction ratio

There are different reduction ratios available with same outer diameter.

HIWIN DATORKER® strain wave gear developed to take advantage of the elastic dynamics of metal. The advantages are as follows:

- Compact size and lightweight
- High-speed reduction ratio
- Minimum Backlash
- High accuracy
- High torque capacity
- High efficiency



DATORKER® Strain Wave Gear Application

1. Precision Machine

-Metal Working / Tube Bending / Measurement / Wood Working / AB axis

2. Articulated Robot

-6-axis / Delta / SCARA

3. General Industry

-Printing / Packaging / Textile

4. Transportation

-Aviation / Parking / Automotive

5. Semiconductor

-Packaging Test / Laser Marking

6. Biomedical

-Medical Equipment / Pharmaceutical Equipment

7. Automation

-Inspection System / Automated Production Line

8. 3C Electronic Peripherals

-Smartphone Applications / Inspection / Dispensing

